BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PHASE I ENVIRONMENTAL SITE ASSESSMENT
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Project Number: 014064.10

April 15, 2022

EXECUTIVE SUMMARY

Bergmann was retained by PowerFlex ("**Client**") to conduct a Phase I Environmental Site Assessment ("**ESA**") of a commercial property with an existing multi-unit building and adjacent parking lots. The parcel is located at 500 Mamaroneck Avenue, Town of Harrison, Westchester County, New York. This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, USEPA EPA Part 312* (ASTM Standard Practices E1527-13 & E1527-21).

This Phase I ESA represents a product of Bergmann's professional expertise and judgment in the environmental consulting industry. This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the following entities (each a "**User**"): Bergmann; Client; and their respective successors, assigns, affiliates.

Bergmann has performed this Phase I ESA in conformance with the scope and limitations of ASTM Practices E1527-13 & E1527-21 and as outlined in an agreement with PowerFlex.

Property and Study Area

The area of the property parcel (Tax ID# 552801 0482.-8) encompasses 34.54-acres of commercial owned land ("**Property**") owned by Empire State Realty Trust, Inc. (ESRT) 500 Mamaroneck ("**Property Owner**"). The Property is located at 500 Mamaroneck Avenue in the Town of Harrison, Westchester County, New York. A map that depicts an outline of the Property can be found on Figure 2.

Client requested Bergmann to review the approximately eight (8) acres of the Property representing the portion of the Property to be used for the proposed development of a solar farm (the "**Study Area**"). This ESA is reviewing the Study Area. A map that depicts an outline of the Study Area can be found on Figure 2.

Recognized Environmental Conditions

A Recognized Environmental Condition (REC), as defined in the ASTM Standard, is an environmental condition where (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A de minimis condition is not a recognized environmental condition. Bergmann has identified the following RECs during this Phase I ESA:

- Bergmann observed signage for one UST located on the Property. The UST is located on the southeast side of the building. This UST is a 20,000-gallon oil tank for the building's boiler tank. According to the property manager the oil tank receives yearly pressure and maintenance checks.
- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls and any future site redevelopment will require strict adherence to the SMP as well as submittal of a Change of Use to the NYSDEC.

Historical Recognized Environmental Conditions

A Historic Recognized Environmental Condition ("**HREC**"), as defined in the ASTM Standard, is an environmental condition that in the past would have been identified as a REC but has been adequately addressed and therefore no longer represents a HREC. Bergmann identified one (1) HRECs during this Phase I ESA:

- In February 2022, the fitting broke on the boiler system piping in the basement of the on-site building. Approximately 20-gallons of Petroleum spill and was professionally cleaned up. Spill number 2110006 was closed on March 9th, 2022.

Controlled Recognized Environmental Conditions

A Controlled Recognized Environmental Condition (CREC), as defined in the ASTM Standard, is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Bergmann identified one (1) CRECs during this Phase I ESA.

- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls and any future site redevelopment will require strict adherence to the SMP as well as submittal of a Change of Use to the NYSDEC.

Business Environmental Risk Considerations

Although not required by the ASTM E1527-13 & E1527-21 standard, based on standard industry practices, Bergmann has attempted to identify Business Environmental Risk (BER) considerations for the Subject Property. Bergmann identified the following BERs during this Phase I ESA.

- Bergmann observed one (1) Cooling Tower on the Study Area. The Cooling Tower, Registration Number 10813, is used for Air Conditioning.
- The planned development of the solar arrays is located in a parking lot with streetlights. Underground utilities are within the Study Area and should be considered before development.
- Adhering to requirements set forth by the Site Management Plan (SMP) and Associated Excavation Work Plan (EWP) for any utility or subgrade work.

Significant Data Gaps

Significant Data Gaps include missing or unattainable information that affects the ability of the environmental professional to identify conditions indicative of RECs on the Property. Bergmann has identified the following Data Gap during this ESA:

- A Freedom of Information Law Request (FOIL) response with respect to the Property has not been received from the Westchester County Department of Health and the Harrison Fire Department as of the date of this report.
- The EDR reported one (1) UST at Schuenke Residence, located about 2,000 ft east of the Property. EDR and the NYSDEC Database did not have any details pertaining to this UST. The lack of information from this EDR reported UST is a significant Data Gap.

Table of Critical Dates

Final Report Issuance Date	04/15/202
Date of Interview of Past and Present Owners and Occupants Identified in Section 5.0	04/07/2022
Date of Recorded Environmental Lien and AUL Search	03/29/2022
Date of Visual Inspection of Subject and Adjoining Properties	03/29/2022
Earliest Date of Interviews, Record Reviews, and Inspections	03/29/2022
180-day Update Required (1)	09/25/2022
Report Viability Date (2)	03/29/2023

(1) 180-day Update required updates to the FOIL Requests, Interview, EDR Radius Report, and Site Reconnaissance.

(2) After the Report Viability Date, a new Phase I ESA would need to be conducted for the Property.

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Appendices

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Appendix B: Aerial Photographs

Appendix C: Phase I ESA Site Observation Notes and Field Site Map

Appendix D: Interview Questionnaire

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1.0 INTRODUCTION

This ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, USEPA EPA Part 312* (ASTM Standard Practices E1527-13 & E1527-21).

The ESA represents a product of Bergmann's professional expertise and judgment in the environmental consulting industry. This report is certified to, can be relied upon by, and has been prepared for the exclusive use of following entities (each a "User"): Bergmann; Client; and their respective successors, assigns, affiliates, and subsidiaries. Bergmann acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, Bergmann makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

1.1 PROPERTY OVERVIEW

The Property (Tax ID# Tax # 552801 0482.-8) encompasses approximately 34.54 acres of a commercial property which includes an existing building and parking lots ("Property") owned by ESRT 500 Mamaroneck ("Property Owner"). The Property is located at 500 Mamaroneck Ave, Harrison ("Town"), New York in Westchester County ("County").

The Property is currently being utilized as an existing multi-unit commercial building with adjacent parking lots. The client requested Bergmann to review approximately eight (8) acres of the Property representing the portion of the Property to be used for the proposed development of a solar farm (the "**Study Area**"). The proposed Study Area includes the parking lots located North and South of the multi-unit commercial building. This ESA is reviewing the Study Area. A map that depicts an outline of the Study Area can be found on Figure 2.

Address / Closest Address	Tax Parcel ID	Tax Property Acreage	Estimated Study Area Acreage
500 Mamaroneck Ave, Town of Harrison, Westchester County, New York	552801 0482.-8	34.54	8.00

Figure 1 – Site Location Map shows the Property on a Topographic Map.

Figure 2 – Property Boundary Map shows the Property boundary over satellite imagery.

Topographic Maps from USGS are presented in Appendix A – USGS Topographic Maps. Topographic maps indicate the geographic features of the surrounding area.

Aerial photographs of the Property and surrounding properties are presented in Appendix B – Aerial Photographs.

Bergmann has provided site observation notes and a field map that describe the Property in Appendix C – Phase I ESA Site Observation Notes and Field Site Map.

Photographs taken during the site reconnaissance visit are included in the Photographs Section of this report.

1.2 PURPOSE AND SCOPE OF SERVICES

The Phase I Environmental Site Assessment (ESA) practice, established by the American Society for Testing and Materials (ASTM) Standard Practice E1527-13 & E1527-21 and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312, is intended to for use on a voluntary basis by parties who wish to assess the environmental condition of real estate taking into account commonly known and reasonably ascertainable information. The practice permits a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations (i.e., landowner liability protections or LLPs) on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability.

The scope of services performed by Bergmann is consistent with the general specifications outlined in ASTM E1527-13 & E1527-21 and 40 CFR Part 312. In general, the scope of services for this project included:

- Review environmental database search to identify sites in federal and state records that are potentially characterized by environmental liabilities within the recommended ASTM search radius as described in Section 4;
- Review available historical aerial photographs, USGS topographic maps, tax maps, plat maps, atlases, local street directories, and Sanborn® Fire Insurance Maps to obtain information relative to the historical usage of the Property;
- Conduct a Property visit, interview appropriate Property personnel and adjacent property owners, and record pertinent observations related to potential environmental impacts at the Property;
- Contact government authorities, including the New York State Department of Environmental Conservation (NYSDEC) to obtain any records on file associated with the Property; local environmental and health departments, and local municipalities to obtain available Property-specific information, including legal descriptions, tax and title information, and locations of municipal services; and
- Prepare a report that provides a Property description, summary of records reviewed and observations noted of the environmental conditions at the Property, and an opinion as to the presence of potential Recognized Environmental Conditions (RECs).

This Phase I ESA is reviewing the Study Area.

1.3 SIGNIFICANT ASSUMPTIONS

Pursuant to ASTM Standard Practices E1527-13 & E1527-21, Bergmann assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

While this report provides an overview of potential current and historical RECs, the ESA is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the Property may have occurred which could not be identified. The conclusions and recommendations regarding the RECs that are presented in this report are based on a Scope of Work authorized by the Client.

Freedom of Information Law (FOIL) requests were submitted to the following agencies:

- New York State Department of Environmental Conservation (NYSDEC)
- New York State Department of Health (NYSDOH)
- Westchester County Department of Environmental Facilities
- Westchester County Department of Health
- Harrison Fire Department
- Town of Harrison Town Clerk

At the time of this report, the requested information has not been received from the following agencies:

- Westchester County Department of Health
- Harrison Fire Department

If any additional information from the above-listed agencies is received, it will be forwarded in a Letter of Addendum and this report will be amended, should the information reveal additional and pertinent findings.

1.4 LIMITATIONS, DEVIATIONS, AND SPECIAL TERMS AND CONDITIONS

Relationship of the Purchase Rate to the Value of the Property

Bergmann was not provided with the lease rate or information related to the value of the Property or similar purchase rates, or if the Property was not contaminated. This Phase I ESA assumes that the User/prospective lessee will consider the relationship of the lease rate relative to the fair market value of the Property and consider whether or not the difference in lease rate and fair market value is due to the presence of releases or threatened releases of hazardous substances.

Due to changing environmental regulatory conditions and potential on-site or adjacent activities occurring after this assessment, the Client may not presume the continuing applicability to the Property of the conclusions in this assessment for more than 180 days after the report's issuance date, per ASTM Standard Practice E1527-13 & E1527-21.

Limitations

No sampling or testing of media such as soil, soil gas, surface water and groundwater, suspect asbestos-containing material (ACM), radon, mold, or lead-based paint (LBP) was conducted during this Phase I ESA.

2.0 USER PROVIDED INFORMATION

The ASTM Standard defines a User as "*the party seeking to use Practice E1527-13 to complete an Environmental Site Assessment. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager*." The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of the ASTM Standard Practice E1527-13.

2.1 RECORDED LAND TITLE RECORDS

Bergmann was not provided a land title for review.

2.2 REASON FOR PERFORMING THIS PHASE I ESA

According to the Client/User, this ESA was conducted as part of environmental due diligence related to the future lease of the Study Area and development of a solar array ("Project") as well as a requirement of any lenders and/or investors of the Project.

3.0 PHYISCAL SETTING

PHYSICAL SETTING INFORMATION FOR THE PROPERTY AND SURROUNDING AREA		SOURCE
Topography (Refer to Figure 1 for an excerpt of the Topographic Map)		
Elevation	Approximately 100 feet above mean sea level	United States Geological Survey Division (U.S.G.S.)
Geographic Gradient	Unknown	
Nearest Surface Water	Mamaroneck Reservoir	
General Soil Characteristics:		
Soil Type	The soil type is gravelly loam	EDR Environmental Data Resources, Inc. (EDR) Report
Description	The soils are identified as well drained.	
Geology	Bedrock is unknown at the Property.	EDR Environmental Data Resources, Inc. (EDR) Report
Oil and Gas Wells		
Current Oil and Gas Wells on the Property	None known	EDR Environmental Data Resources, Inc. (EDR) Report
Historical Oil and Gas Wells on the Property	None known	

4.0 RECORDS REVIEW

Bergmann reviewed reasonably ascertainable records to identify obvious uses of the Property from the present, back to the Property's obvious first developed use, or back to 1940, whichever is earlier. Reasonably ascertainable records reviewed as part of this Phase I ESA documented the use of the Property back to 1897 – the earliest topographic map of the Property obtained by Bergmann.

4.1 AERIAL PHOTOGRAPHS, SANBORN MAPS AND TOPOGRAPHIC MAPS

Aerial Photographs:

Bergmann reviewed reasonably ascertainable aerial photographs for the Property. Aerial photographs from 2017, 2013, 2009, 2006, 1994, 1989, 1984, 1979, 1974, 1964, 1961, 1959, 1953, and 1941 were purchased from EDR Environmental Data Resources, Inc. (EDR). Based on the information gathered from these maps, indication of development on the Property was first observed in the 1953 historical photograph. The 1941 historical photograph does not indicate any development on the Property. The development on the property from 1953 until 1984, the town incinerator is visible on the site. From 1941 until 1984, there was no major changes to the Property. The current building and parking area is first observed in the 1989 historical photograph. The neighboring building to the north, along Mamaroneck Avenue is first indicated in the 1974 photograph. The 1984 photograph illustrates development in both to the north and the south of the Property. Copies of relevant Historic Aerial Photographs are provided in Appendix B.

Sanborn Maps:

Bergmann reviewed reasonably ascertainable Sanborn Fire Insurance Maps for the Property. Sanborn Maps from 2003, 1996, 1995, 1994, 1993, 1992, 1990, 1988, 1963, 1950, 1942, 1934, and 1919 were purchased from EDR Environmental Data Resources, Inc. (EDR). A copy of the EDR Sanborn Fire Insurance Maps is provided as Appendix E – Sanborn Fire Insurance Map Search. The following documents the Sanborn map review:

1919 – 1950 Maps: Sanborn Maps from 1919 to 1950 indicate the property was split into two (2) tax parcels. These maps do not indicate any development on the Property during this time period. Mamaroneck Avenue is visible in the maps starting in 1919.

1988 Maps: Sanborn Maps 1988 is an incomplete map with no indications of property or tax parcels.

1990-2003 Maps: The current office building and parking area is observed in Sanborn Fire Insurance Maps from the1990 to 2003 maps.

Topographic Maps:

The Property is located on United States Geological Society (USGS) topographic maps for 2019, 2016, 2013, 1994, 1975, 1966, 1955, 1947, 1900, 1898, and 1897. Adjoining properties are also indicated on these maps. These maps indicate the geographic features of the Property and surrounding area. Based on the information gathered from these maps, indications of development on the Property was first observed in the 1955 topographic map. A structure is indicated to the north and south of the Property starting in the 1955 topographic map. The 1994 is an Unmapped area. Copies of relevant Historic Topographic maps are provided in Appendix A.

4.2 LOCAL STREET DIRECTORIES

The Property is identified in the city directory records purchased from EDR. The following names are associated with the Property on 500 Mamaroneck Ave:

Year	Address	Owner
2017		
	500 Mamaroneck Avenue	500 Mamaroneck Acappella Software Inc Action Refund LLC Class Allover Limousine LLC Ameriprise Financial Barrington Chemical Corp BCM One Inc BLS Telecom Buckland Partners Case Paper Co Chemlube International Chiamulera Travel Cho Enterprises Inc Christophers Photography Studio Church Tavern Compo Micro Tech Cubism Branding Corp Empire State Realty First Gateside Garnet Capital Ibehavior Keevily Sperowhitelaw Inc Khseiden Law Lillian Vernon Marin Goodman LLP Mariner Investment Group Medicsight Inc Michael J Amoroso Atty O'Connor Davies LLP Optis Management Inc Pasternak Baum & Co Inc Pasternak Wine Imports Pnkeevily Sperowhitelaw Inc Ins Pro Start Quest Lockstore Reliable E Commerce Incorporated Rich Worldwide Travel Inc Sara Lee Coffee & Tea Schulman Management Corp Sequoia Financial Partners LLC Sirlin Roger H & Assocs

Year	Address	Owner
		The Travel Lady Theodore J Brundage Atty Universal Remote Control Virtual Prepaid Net Voest Alpine Steel Prod Corp Voest Alpine Steel Products Corp Voest Alpine USA Corp Wasab Westchester Audio Video Westchester Plastic Surgery York International Agency LLC
2014		
	500 Mamaroneck Avenue	500 Mamaroneck Acappella Software Incorporated Allover Limousine LLC Ameriprise Financial Amoroso Michael J Atty Amoroso, Michael Barrington Chemical Corporation Benabdessadek, Badr Bls Telecom Brooks Jill L Attorneyatlaw Brundage Theodore J Atty Buckland Partners Case Paper Co Chemlube International Cho Enterprises Incorporated Church Tavern Advisors Compo Micro Tech Cubism Branding Corporation First Gateside Goldberg Jacob J Ibehavior Kaja, Omiyma Life Goals Asset Management LLC Marin Goodman LLP Mariner Investment Group Medicsight Medicsight Incorporated O'Connor Davies Pasternak Baum & Co Inc Pasternak Wine Imports Pnkeevily Spero Whitelaw Incorporate Quest Lockstore Reliable E Commerce Incorporated Rich Worldwide Travel Incorporated

Year	Address	Owner
		Sara Lee Coffee & Tea Schulman Management Corporation Schulman Realty Group Sirlin Roger H & Assocs Atty Travel Lady The Universal Remote Control Virtual Prepaid Net Voest Alpine Steel Product Corporati Voest Alpine Steel Products Corporat Wasab Westchester Audio Video
2010		
	500 Mamaroneck Avenue	500 Mamaroneck Ave LP Allover Limousine LLC American Express Financial Ameriprise Financial Amoroso Michael J Amoroso, Michael Barretts Insurance & Fncl Barrington Chemical Corp Bls Telecommunications B Rundage Theodore J Brundage, Theodore Cafe Five Hundred Case Paper Co Inc Cbg Investment Advisors Chemlube International Chiamulera Travel Cho Enterprises Inc Church Tavern Advisors Class Action Refund LLC Eliassen Group Falcoln Investors Focus Room Gallo, William C Garnet Capital Advisors Gf K Custom Research N America Goldberg Jacob J Hillcrest Fuel Svc I Behavior Inc Keevily Sperowhitelaw Inc Lakeside Travel Inc Lillian Vernon Corp Madison Consulting Group Markowitz & Piro Metric Tours Inc

Year	Address	Owner
		Millennium Travel & Cruises Noto Travel Svc Inc Oconnor Davies Munns Dobbins Oconnor, Davies M Pantaenius America Ltd Pappalardo & Tombini & Wolff Pasternak Baum & Co Inc Pasternak Wine Imports Perspectives Resources Inc Quantum Financial Strategies Reachcapital Management LP Reliable E Commerce Inc Rich Worldwide Travel Inc Roger H Sirlin & Assoc Roper Starch Worldwide Inc Select Coverage Corp Senior Care Development LLC Travel Lady Travelogue Limited Universal Remote Control Virtual, P N Voest Alpine Usa Corp Westchester Audio Video You, Jak H
2005		
	500 Mamaroneck Avenue	27 Harvard Court LLC 500 Mamaroneck Av LP Acappella Software Inc Agnos Group LLC American Express American Express Financial Arleo, Maryfrances Barrington Chemical Corp Barry, Christopher Campus Travel Inc Castle Oil Corp CBG Investment Advisors Inc Chemlube International Inc Cho Enterprises Inc Chock Full Onuts Corp Church Tavern Advisors LLC Compo Microtech Inc E Friedman Marketing Services

Year	Address	Owner
		Inc Goldberg Jacob J Greenbaum, Scott Hartz B2 E LLC I Behavior Inc Landry, Robert E Lanza, Frank C Legacy Construction Corp Life Goals Asset Management Co NOP World LLC NOP World United Busines Noto Travel Inc O'Connor, Davies M Opinion One Ltd Optis Management Inc Ortiz, R Rail Europe Inc Reachcapital Mgmt LLC Roper ASW LLC
2000		
	500 Mamaroneck Avenue	American Express Financial Advisors, Inc Canada Life Ins Company of NY Casrle Oil Castle Oil Castle Oil Corporation Food City Markets Food City Mkts Incorporated Office Gelbard, Stuart R Hillcrest Fuel Service Metric Tours Incorporated Rich Worldwide Travel Incorporated Schulman Realty Group Skytel The Travel Lady

Year	Address	Owner
1995		
	500 Mamaroneck Avenue	American Express Financial Advisors, Inc American International Publishing, Inc Anson & Berger, Inc Canada Life Ins Co of New York Castle Oil Corp Food City Markets IBM Corp-Sales International Business Magazine Legacy Construction Corp Legacy Group Legacy Management Metric Tours, Inc REL Consultancy Group Resource Evaluation, Inc Rich Worldwide Travel, Inc Schulman Realty Group
1992		
	500 Mamaroneck Avenue	American International Publishing Inc Castle Oil Corp Feinberg Anson & Berger Inc Food City Supermarkets IBM Corp IBM ROLM Systems IDS Financial Service International Business Magazine Resource Evaluation LTD
1987		
	500 Mamaroneck Avenue	Harmonay Co

4.3 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Bergmann reviewed the United States Environmental Protection Agency (EPA) Envirofacts online database in lieu of a FOIL request. After a review of this database, no relevant environmental records were obtained from the Envirofacts database search with respect to the Property. The neighboring commercial building at 550 and 450 Mamaroneck Avenue is listed as Resource Conservation and Recovery Act (RCRA) program. More details on the RCRA listing at 550 and 450 Mamaroneck Avenue properties are listed in Table 2.

4.4 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Bergmann submitted a FOIL request for environmental information regarding the Property to the NYSDEC via the Online FOIL request System. Bergmann received 33 files from the NYSDEC. The following documents are related to 500 Mamaroneck Avenue, Harrison, NY VCP Site No. V00213. The following letter, reports, and email correspondence can be located in Appendix F – FOIL Request Letters and Response Package.

- Two (2) Copies of the 2005 Deed Declaration of Covenants and Restrictions
- Email exchange Re: DOH Concurrence- PRR 01/31/14
- Email exchange Re: Inspection Schedule, 2018
- Email exchange Re: PRR Extension, 2018
- Email exchange Re: Inspection Statue, 2018
- Email exchange Re: Inspection Statue, 2018
- Email exchange Re: Change of Use request, 2019
- Change of Use Project Summary, January 2021
- Change of Use correspondence with DEC, June 2021
- NYSDEC Fact Sheet: Proposed Amended Remedial Action Work Plan, March 2005
- Two (2) Copies Letter Correspondence Re: Transition from VCP to BCP List, 2004
- Letter Correspondence Re: VCP Request for Fill Certification Plan, 2003
- Letter Correspondence Re: VCP Release and Covenant Not to Sue, 2006 & 2007
- Letter Correspondence Re: VCP Cost Summary, August 2005 & September 2007
- Letter Correspondence Re: Liability_release
- Letter Correspondence Re: VCP Site Management Periodic Review 45-Day Reminder Notice, 2008
- Letter Correspondence Re: VCP 2008 PRR acceptance
- Letter Correspondence Re: VCP SM_PR 45-Day Reminder Notice, 2013
- Letter Correspondence Re: VCP PRR acceptance letter, 2014
- Letter Correspondence Re: VCP SM_PR 45-Day Reminder Notice, 2018
- Letter Correspondence Re: VCP PRR acceptance letter, 2019
- Letter Correspondence Re: RAWP Approval Notice, 2005
- 1998 Site Assessment Report
- 2000 Site Assessment Report
- 2002 Site Investigation Report
- 2002 Soil Management Plan
- 2008 VCP Site No. V00213 Periodic Review Report
- 2014 VCP Site No. V00213 Periodic Review Report
- 2018 VCP Site No. V00213 Periodic Review Report
- 2005 BCP Remedial Action Work Plan
- 2005 VCP Remedial Action Work Plan

4.5 NEW YORK STATE DEPARTMENT OF HEALTH

Bergmann submitted a FOIL request for updated environmental information regarding the Property to the NYSDOH via the Online FOIL request System. Bergmann received a response from the NYSDOH on April 27, 2022 stating the site is identified as a remediation site and additional records are maintained by the NYSDEC. NYSDOH attached the 500 Mamaroneck Ave, Harrison, NY VCP Site No. V00213 Periodic Review Report dated Jan. 31, 2014. The following report, and email correspondence can be located in Appendix F- FOIL Request Letters and Response Package.

Bergmann submitted a FOIL request during the initial Phase I ESA on August 2nd, 2021 and received 14 filed from NYSDOH. The following documents are related to 500 Mamaroneck Avenue, Harrison, NY VCP Site No. V00213. The following letter, reports, and email correspondence can be located in Appendix F- FOIL Request Letters and Response Package.

- New York State Department of Environmental Conservation Release and Covenant Not to Sue
- NYSDEC Fact Sheet: Proposed Amended Remedial Action Work Plan, March 2005
- NYSDEC ENB SEQRA Notice Publication Form
- NYSDEC comments on the draft Remedial Action Work Plan, November 2002
- NYSDEC comments on the Supplemental Final Site Investigation Report, June 2002
- NYSDEC comments on the Supplemental Final Site Investigation Report, June 2001
- Notification of submission of Supplemental Final Investigation Site Assessment Report, June 2001
- Laboratory data generated from investigation activities, January 2001
- Notification to NYSDEC of ERM's Standard Operating Procedures for sampling and Health and Safety Plan
- Notification to NYSDEC submission of Final Investigation Site Assessment Report, April 2000
- Cuddy & Feder & Worby LLP Voluntary Cleanup Agreement, May 2000
- ERM's comments on NYSDEC's comments on the July 2000 Final Site Investigation Site Assessment Report
- NYSDEC's Implementation of Further Investigation Agreement
- Periodic Review Report, January 2014

4.6 TOWN OF HARRISON TOWN OFFICE

Bergmann submitted a request for environmental information regarding the Property to the Town of Harrison. Bergmann received responses from the Town of Harrison Assessor's Office and Zoning Board. The Town provided all the property cards, summary sheets and two (2) surveys that were related to the Property. The response received from the Town of Harrison Town Office can be located in Appendix F – FOIL Request Letters and Response Package.

4.7 WESTCHESTER COUNTY DEPARTMENT OF ENVIRONMENTAL FACILITIES

Bergmann submitted a request for environmental information regarding the Property to the Westchester County Department of Environmental Facilities. Bergmann received an email from the Department of Environmental Facilities Office on March 29, 2022. The email stated that after a diligent search of the files maintained by the County produced no responsive records. Response from the Westchester County Records Office can be located in Appendix F – FOIL Request Letters and Response Package.

4.8 WESTCHESTER COUNTY DEPARTMENT OF HEALTH

Bergmann submitted a request for environmental information regarding the Property to the Westchester County Department of Health (WCDOH). Bergmann received an acknowledgment letter stating the WCDOH anticipates providing any records by 5/11/2022. As of the issuance date of this ESA, FOIL documentation has not been received back from the WCDOH. If Bergmann receives relevant documents from the Harrison Fire Department that reveals new and pertinent findings relative to the Property, a Letter of Addendum to this report will be submitted to PowerFlex detailing the new findings.

4.9 HARRISON FIRE DEPARTMENT

Bergmann submitted a request for environmental information regarding the Property to the Harrison Fire Department. As of the issuance date of this ESA, FOIL documentation has not been received back from the Harrison Fire Department. If Bergmann receives relevant documents from the Harrison Fire Department that reveals new and pertinent findings relative to the Property, a Letter of Addendum to this report will be submitted to PowerFlex detailing the new findings.

4.10 UTILITIES

4.10.1 Municipal Water/Water Wells

The Property is developed as an existing and active commercial building with an adjacent parking lot. The Property has connection to municipal water. The Study Area is only within the parking lot, immediately adjacent to the commercial building.

4.10.2 Sanitary Sewer/Septic System

The Property is developed as an existing and active commercial building with an adjacent parking lot. The Property has connection to the municipal sewer system. The Study Area is only within the parking lot, immediately adjacent to the commercial building.

4.10.3 Heat Source

The Property is developed as an existing and active commercial building with an adjacent parking lot. The Property has connection to a heat source for the building. The Study Area is only within the parking lot, immediately adjacent to the commercial building.

4.11 PETROLEUM BULK STORAGE (PBS) SYSTEMS

4.11.1 Underground Storage Tanks (USTs)

No indications of Underground Storage Tanks (USTs) were observed at the Study Area at the time of the site reconnaissance. Bergmann observed UST signage stating “Tank Access No Fill In” on the southeast side of the building on the Property. This UST was not within the proposed Study Area. This UST is a 20,000-gallon oil tank for the building’s boiler.

4.11.2 Aboveground Storage Tanks (ASTs)

No indications of Aboveground Storage Tanks (ASTs) were observed at the Study Area at the time of the site reconnaissance.

4.12 PREVIOUS ENVIRONMENTAL REPORTS

Bergmann has prepared one (1) previous environmental report for the Property at the time of this ESA.

One (1) Phase I Environmental Site Assessments

A Phase I ESA was completed on October 1, 2021. Bergmann identified four (4) Recognized Environmental Conditions with relation to the Property one (1) Controlled Recognized Environmental Conditions. One (1) Business Environmental Risk Considerations was identified on the Study Area During the October 1, 2021Phase I ESA:

Recognized Environmental Conditions

- Bergmann observed one (1) Cooling Tower on the Study Area. The Cooling Tower, Registration Number 10813, is used for Air Conditioning.
- Bergmann observed signage for one UST located on the Property. The UST is located on the southeast side of the building.
- The EDR reported one (1) UST at Schuenke Residence, located about 2,000 ft east of the Property. EDR and the NYSDEC Database did not have any details pertaining to this UST.
- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls.

Controlled Recognized Environmental Conditions

- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls.

Business Environmental Risk Considerations

- The planned development of the solar arrays is located in a parking lot with streetlights. Underground utilities are within the Study Area and should be considered before development.
- Adhering to requirements set forth by the Site Management Plan (SMP) and Associated Engineering Work Plan (EWP) for any utility or subgrade work.

After receiving documents from NYSDEC, Bergmann was provided numerous historical documents including the property's Remedial Action Work Plan, the Soil Management Plan, Supplemental Final Site Investigation Report, Easement and Deed Restriction, and the 2008, 2014, & 2018 Periodic Review Report. These full reports and documents can be found in Appendix F- FOIL Request Letters and Response Package.

4.13 ENVIRONMENTAL LIENS, ACTIVITY AND USE LIMITATIONS, AND GOVERNMENT INSTITUTIONAL AND ENGINEERING CONTROLS

Environmental Liens and/or Activity and Use Limitations were not identified for the Property, according to a search and documents provided by EDR. A copy of the Environmental Lien and AUL Search Report is included in Appendix H – Additional Documentation.

Institutional Controls and Engineering Controls are implemented on the Property to control development on the Property and set up physical features on the Site that prevent direct contact with impacted soil. The Engineering Controls at the Site consist of asphalt cover over the parking areas and vegetative cover over the remaining areas. For the capping at 500 Mamaroneck Avenue to remain protective, all subsurface soil must remain at least two (2) feet below final grade. In addition, the Property has an Environmental Easement deed restriction. The Environmental Easement specifies that the Site may continue to be used as a commercial facility and shall not be used for purposes other than set forth therein.

5.0 INTERVIEW

An ESA interview with Jeffrey Duarte, the current property Portfolio Manager for ESRT, was conducted on April 7, 2022. Mr. Duarte informed Bergmann of the following details regarding the Property:

- ESRT has owned the Property since 2007.
- Mr. Duarte stated there is no Environmental Cleanup Lien on the property.
- Mr. Duarte stated there is an oil UST for the boiler located about 30 feet from the building. This tank is annually pressure tested and documented.
- Mr. Durante stated a 20-gallon spill occurred in the basement from a leak on the boiler line. The spill was reported to NYSDEC and was professionally cleaned up. NYSDEC closed out the spill no. 2110006 on March 9th, 2022
- Mr. Durante aware the property is included in the Volunteer Cleanup Program and there is regular monitoring onsite.

A copy of the completed Interview Questionnaire is included in Appendix D – Interview Questionnaire.

Ben Reisman representing PowerFlex, completed a User Questionnaire for the Property on April 11, 2022. The following details were provided to Bergmann:

- There are no Environmental Cleanup Liens against the Property including the Study Area.
- There are no Activity and Use Limitations (AULs) that are implemented at the Property including the Study Area.
- PowerFlex does not have specialized knowledge or experience related to the Property including the Study Area.
- The Project Site will be leased at a lease rate that is comparable to other solar project lease areas.
- PowerFlex is aware of the current Institutional and Engineering Controls. PowerFlex is aware of the known contamination and aware of the Site Management Plan for any future development.

A copy of the completed User Questionnaire is included in Appendix D – Interview Questionnaires.

6.0 SUMMARY OF HISTORICAL USE

Standard and other historical sources were able to document that the Property was undeveloped land with no structures up until the early 1950's. The current building and parking area was developed in the late 1980's as a multi-unit commercial building. According to historical documentation, this property was added in the Volunteer Cleanup Program (VCP) in November 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants.

7.0 PROPERTY RECONNAISSANCE

7.1 PROPERTY OBSERVATIONS

The following table summarizes the site observations during the March 29, 2022 site reconnaissance. Bergmann personal did not enter the building as this Phase I site reconnaissance only observed the exterior of the building and parking lot.

Category	Feature	Observed
Buildings (N/A, undeveloped property)	Elevators	N/A
	Air Compressors	N/A
	Incinerators	N/A
	Waste Treatment Systems	N/A
	Presses/Stamping Equipment	N/A
	Press Pits	N/A
	Hydraulic Lifts or In-ground hoists	N/A
	Paint Booth	N/A
	Plating Tanks	N/A
	Lathes, Screw Machines, etc.	N/A
Aboveground Chemical or Other Waste Storage or Waste Streams	Aboveground Storage Tanks (ASTs)	**Yes[1]**
	Drums, Barrels and/or Containers > 5 gallons	**Yes**
	Chip Hoppers	No
	Hazardous or Petroleum Waste Streams	No
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground Storage Tanks	**Yes**
	Fuel Dispensers	No
	Sumps or Cisterns	No
	Dry Wells	No
	Oil/Water Separators	No
	Floor Drains, Trench Drains, etc.	No
	Pipeline Markers	No
Exterior Observations	Stressed Vegetation	No
	Stained Soil or Pavement	No
	Pad or Pole Mounted Transformers and/or Capacitors	No
	Soil Piles of Unknown Origin	No
	Exterior Dumpsters with Staining	No
	Leachate or Other Waste Seeps	No
	Trash, Debris, and/or Other Waste Materials	**Yes[2]**
	Uncontrolled Dumping or Disposal Areas	No
	Surface Water Discoloration, Sheen or Free Product	No
	Strong, Pungent or Noxious Odors	No
	Storm water retention or detention ponds	No
	Pits, Ponds, Lagoons	No

Notes:

1. Bergmann personnel observed a cooling tower, registration number 10813 in the middle of the northern parking lot.
2. In the eastern corner of the southern parking lot, four (4) trash containers, one (1) empty 55-gallon drum, and two (2) storage units are located. No visible staining or odor were observed during the site reconnaissance.

7.2 CURRENT OPERATIONS

The following site conditions were observed on March 29, 2022 (date of site reconnaissance visit):

The Property comprises approximately 34.54 acres of commercial land made up of a multi-unit commercial building with adjacent parking lots. The Study Area encompasses the parking lots on the property. At the time of the Site reconnaissance, the Project Site was an active parking lot with one (1) observed cooling tower located in the middle of the north parking lot.

8.0 ADJOINING PROPERTIES

The following paragraphs provide information about the adjoining properties obtained during the site reconnaissance and through review of reasonably ascertainable information.

North of the Property

Adjoining the Property to the north is a commercial building along Mamaroneck Avenue.

West of the Property

Adjoining the Property to the west is Mamaroneck Avenue and Mamaroneck River. West of Mamaroneck Avenue is Saxon Woods Park.

South of the Property

Adjoining the Property to the north is a commercial building along Mamaroneck Avenue.

East of the Property

Adjoining the Property to the east wooded land. Further east is private residential properties.

9.0 REGULATORY RECORDS REVIEW

Regulatory database searches were conducted for the Property as part of the scope of this Phase I ESA. The regulatory database search was conducted by EDR, a nationally recognized database search service, contracted by Bergmann.

The regulatory databases searched include the following:

- Environmental Data Resources Inc. (EDR) report dated March 28, 2022.
- Review of the US EPA web-based Envirofacts Database April 1, 2022.
- Review of the NYSDEC web-based environmental databases April 1, 2022.

The database searches were conducted at or beyond the radii established by the Federal All Appropriate Inquiries (AAI) Rule and/or ASTM E1527-13 & E1527-21, which ever was greater, for all parts of the Property. The most recent EDR database reviewed for this Phase I ESA is included in Appendix G – EDR Database Search Report.

A summary of the major environmental databases searched is provided below. The dates of the environmental databases were the most recent releases as of March 28, 2022. Reviews were further supplemented with a search using the Federal USEPA Envirofacts web-based databases. The April 1, 2022 web-based Petroleum Bulk Storage (PBS)/ Chemical Bulk Storage (CBS)/Major Oil Storage Facility (MOSF) registries and the NYSDEC Spills Event web-based database and findings are summarized below:

Table 1

Source Reviewed	Agency[1]	ASTM Minimum Search Distance (AMSD)	Recent Date of Record Update[3]
Federal NPL List	US EPA	1.0 miles	02/22/2022
Federal Proposed NPL	US EPA	1.0 miles	02/22/2022
Federal De-listed NPL List	US EPA	1.0 miles	02/22/2022
Federal CERCLIS List	US EPA	0.5 miles	02/22/2022
Federal CERCLIS-NFRAP List	US EPA	0.5 miles	02/22/2022
Federal RCRA CORRACTS List	US EPA	1.0 miles	03/17/2022
Federal RCRA Generators List	US EPA	0.25 miles	03/17/2022
Federal ERNS List	US EPA	Property	03/10/2022
CERCLA Lien	US EPA	Property	02/22/2022
Federal Institutional/Engineering Controls	USEPA	0.5 miles	02/14/2022
State/Tribal Inactive Hazardous Waste Sites	NYSDEC	0.5 miles	01/07/2022
Solid Waste Facility/Landfill Sites	NYSDEC	0.5 miles	03/22/2022
State/Tribal Registered Storage Tank Lists	NYSDEC	0.25 miles	03/01/2022
State/Tribal Leaking Storage Tanks	NYSDEC	0.5 miles	03/16/2022
State Spills Inventory	NYSDEC	0.5 miles	03/16/2022
State/Tribal VCP Sites	NYSDEC	0.5 miles	01/07/2022
State/Tribal Brownfield Sites	NYSDEC	0.5 miles	01/07/2022

1. US EPA – United States Environmental Protection Agency
2. NYSDEC – New York State Department of Environmental Conservation
3. Record updates are based on the database records reported in the Environmental Database Search conducted on March 28, 2022. The referenced dates are the most recent government releases as of the March 2022 database review.

9.1 ENVIRONMENTAL LISTINGS

Bergmann's review of the referenced databases also considered the potential or likelihood of contamination from adjoining or nearby sites. To evaluate which of the adjoining and nearby sites identified in the regulatory database report present an environmental risk to the Property, Bergmann considered the following criteria:

- The type of database on which the site is identified.
- The topographic position of the identified site relative to the Property.
- The direction and distance of the identified site from the Property.
- Local soil conditions in the Property area.
- The known or inferred groundwater flow direction in the Property area.
- The status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the Property.

The Property was identified in the database review that may present recognized environmental concerns (RECs) to the Property. Adjoining or nearby properties, within a search radius of ¼ mile of the Property, were identified in the database review that may present recognized environmental concerns (RECs) to the Property.

Table 2

Identified Environmental Listings

Location	Address	Database(s)	Description & Report Summary
B2E BIOTECH LLC **Harts B2E LLC** **Empire State Realty Trust** **B2E Corp**	**500 Mamaroneck Ave**	**Cooling Tower** **SSTS** **FINDS** **UST** **ENG CONTROLS** **INST CONTROLS** **VCP** **BROWNFIELDS** **SPILLS**	**Location: Onsite** **Cooling Tower** **Equipment Unique ID:** 10813 **Intended Use:** Air Conditioning **SSTS (Section Seven Tracking System)** **Registration Number:** 075318-NY-001 **Pre 2016 Registration Number:** 075318-NY-001 **EPA Product Registration:** 075318-00006 **Product Type:** End-Use Blend, Formulation, Concentrate **Registration Number:** 074032-NY-001 **Pre 2016 Registration Number:** 074032-NY-001 **EPA Product Registration:** 074032-00001 **Product Type:** Technical Material of Active Ingredient **Registration Number:** 069554-NY-001 **Pre 2016 Registration Number:** 069554-NY-001 **EPA Product Registration:** 069554-00003 **Product Type:** Technical Material or Active Ingredient. **Product Type:** Other Pesticides **FINDS** **Registration ID:** 110015741900 **UST** **ID:** 3-466042 **Status:** Active **Capacity:** 20000 **Product Stored:** #2 Fuel Oil **ENG Controls** **Site Code:** 58831 **HW Code:** V00213 **Site Description: Land Use:** The site is zoned commercial. The site is an active office complex with one office building, parking lots and green

Location	Address	Database(s)	Description & Report Summary
			space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. A final engineering report was approved in April 2007. The site in now in Site Management. Remediation at the site is complete. **Health Problem:** Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas. **INST Control** **Site Code:** 58831 **Control Name:** Deed Restriction **Control Name:** Soil Management Plan **Control Name:** Groundwater Use Restriction **HW Code:** V00213 **VCP** **Site Code:** 58831 **HW Code:** V00213 **Record Added:** 11/30/2000 **BROWNFIELDS** **Site Code:** 58430 **HW Code:** 58430 **SWIS:** 6028 **Site Description:** BCP application denied. See Site #V00213 **SPILLS** **Spill Number:** 9708600 **Closed Date:** 10/23/1997

Location	Address	Database(s)	Description & Report Summary
			Spill Date: 10/22/1997 **Details:** leaking 60-ton chill water system. Clean up crew on scene. **All Materials** **Site ID:** 118813 **Material ID:** 330562 **Spill Number:** 2110006 **Closed Date:** 03/09/2022 **DEC Memo:** fitting broke on boiler system piping in the basement of the commercial building. The FC estimates approximately 20 gallons was spilled. Spill is contained in the boiler room on the concrete floor. **Site ID:** 634037 **Material ID:** 2395092
450 Mamaroneck Ave Parking lot Expansion	**450 Mamaroneck Ave**	**SPDES** **SPILLS**	**Location: Onsite** **SPDES** **Permit Number:** NYR10Y220 **Closed Date:** 07/27/2015 **SPILLS** **Spill Number:** 0002024 **Closed Date:** 05/17/2000 **Spill Date:** 05/17/2000 **Details:** Loss of 1gals. of dielectric fluid on soil.
Broadway Real Estate Services LLC **Saxon Wood Corporate Center**	**550 Mamaroneck Ave**	**NY SPILLS** **RCRA-VSQG** **FINDS** **ECHO** **MANIFEST** **UST**	**Location: 300ft north** **SPILLS** **Spill Number:** 1602312 **Closed Date:** 06/07/2016 **Spill Date:** 06/06/2016 **Details:** Loss of 1-2 gals. of gasoline from MVA to pavement. Nearby drain not impacted but is trib. to City of White Plains reservoir. Boom placed around drain, but not impacted. FD cleaned up pavement. **All Materials** **Site ID:** 528713 **Material ID:** 2282405 **RCRA-VSQG** **EPA ID:** NY0000878637 **HW Summary:** Ignitable Waste

Location	Address	Database(s)	Description & Report Summary
			FINDS **Registration ID:** 110004320306 **ECHO** **Envid:** 1004755932 **Manifest** **EPA ID:** NY0000878637 **UST** **ID:** 3-600073 **Status:** Active **Tank ID/ Status:** 1/ Closed- In place **Tank ID/ Status:** 1 (550) / In-Service **Tank ID/ Status:** 2/ Closed- In place **Tank ID/ Status:** 2 (600) / In-Service
Clune PC	**480 Mamaroneck Ave**	**NY SPILLS**	**Location: 53ft south** **SPILLS** **Spill Number:** 1404645 **Closed Date:** 07/27/2015 **Spill Date:** 07/30/2014 **Details:** 550 tank removal **Spill Number:** 1404646 **Closed Date:** 07/27/2015 **Spill Date:** 07/30/2014 **Details:** 1,000 gallon tank removal
Residence	**41 Windfield Ave**	**NY SPILLS**	**Location: 1600 ft east** **SPILLS** **Spill Number:** 9609740 **Closed Date:** 01/10/1997 **Spill Date:** 11/04/1996 **Details:** Caller stated that they were called for a spill at residence. spill occurred from bad line coming from tank, inside.
Sueann Miles	**25 Windfield Ave**	**LTANKS**	**Location: 185 ft. east of property** **LTANKs** **Spill Number:** 0002062 **Closed Date:** 10/16/2000 **Spill Date:** 05/18/2000 **Details:** Tank test failure
Con Edison	**550 Mamaroneck Ave & Union Ave**	**RCRA Nongen / NLR** **MANIFEST**	**Location: 293 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004210241

Location	Address	Database(s)	Description & Report Summary
			NY MANIFEST **EPA ID:** NYP004210241
NYSDOT BIN 5523361	**RTE 907 W Over Mamaroneck**	**RCRA Nongen / NLR** **MANIFEST**	**Location: 293 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004210241 **NY MANIFEST** **EPA ID:** NYP004210241
Con Edison	**7 Glen Drive**	**RCRA Nongen / NLR** **FINDS** **ECHO** **MANIFEST**	**Location: 400 ft. south of property** **RCRA Nongen / NLR** **EPA ID:** NYP004794087 **FINDS** **Registry ID:** 110069689279 **ECHO** **Envid:**1019904129 **Registry ID:** 110069689279 **NY MANIFEST** **EPA ID:** NYP004210241 **EPA ID:** NYP004794087 **NJ MANIFEST** **EPA ID:** NYP004794087
Con Edison	**240 Union Ave**	**MANIFEST**	**Location: 458 ft. north of property** **NY MANIFEST** **EPA ID:** NYP004658878
Con Edison	**270 Union Ave** **Front of MH10239**	**RCRA Nongen/ NLR** **FINDS** **ECHO**	**Location: 464 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004814469 **FINDS** **Registry ID:** 110069695556 **ECHO** **Envid:**1019905863 **Registry ID:** 110069689279

Location	Address	Database(s)	Description & Report Summary
Con Edison	270 Union Ave Front of MH9468	RCRA Nongen/ NLR Manifest	**Location: 464 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004814477 **Manifest Number:** 011531449FLE
Con Edison	270 Union Ave Front of MH10239	RCRA Nongen/ NLR Manifest	**Location: 465 ft. north of property** **NJ MANIFEST** **EPA ID:** NYP004814469
Residence	19 Winfield Ave	LTANKS	**Location: 490 ft. east of property** **LTANKs** **Spill Number:** 9812181 **Closed Date:** 02/18/1999 **Spill Date:** 12/32/1998 **Details:** will recommend isolation test-oil co will prepare tank to be re-tested.
Newman	598 West Street	NY SPILL	**Location: 491 ft. east of property** **SPILLS** **Spill Number:** 2008906 **Closed Date:** 03/02/2021* **Spill Date:** 01/21/2021 **Details:** Removal of two 275-gal AST at a residence in a very small crawl space. Cut open the crawl space to access and found that one of the tanks had a hole. The tanks are sitting on concrete within the crawl space and the concrete was stained. He states they are scheduled to perform a soil boring through the floor on Monday, sample result will be forwarded to DEC. *Closed date was reported on the NYSDEC Spill Incidents Database Search
Rubin – TTF	244 Union Ave	LTANKS	**Location: 492 ft. north of property** **LTANKs** **Spill Number:** 1405584 **Closed Date:** 12/22/2014 **Spill Date:** 08/21/2014 **Details:** failed tank
McSorely Home	236 Union Ave	NY SPILL	**Location: 500 ft north of property** **SPILLS** **Spill Number:** 0612679 **Closed Date:** 01/14/2008 **Spill Date:** 02/22/2007

Location	Address	Database(s)	Description & Report Summary
			Details: 550-Gallon tank had holes and contaminated soil.
Stella Residence	**252 Union Ave**	**NY SPILL**	**Location: 500 ft north of property** **SPILLS** **Spill Number:** 0409812 **Closed Date:** 04/02/2005 **Spill Date:** 12/02/2004 **Details:** Return line leaked and has been repaired.
Lombardi Residence	**599 West Street**	**LTANKS**	**Location: 512 ft east of property** **SPILLS** **Spill Number:** 0602291 **Closed Date:** 07/30/2006 **Spill Date:** 05/31/2006 **Details:** 550-gallon tank had holes.
Schuenke Residence	**580 West Street**	**UST**	**Location: 512 ft east of property** **No information found**
Marshall Residence	**585 West Street**	**LTANKS**	**Location: 512 ft east of property** **SPILLS** **Spill Number:** 9904481 **Closed Date:** 09/02/1999 **Spill Date:** 07/15/1999 **Details:** Tested for real estate transaction. An isolation retest will be done within 10 days

The full list of database review is listed in Appendix G-EDR Database Search Report.

10.0 BUSINESS ENVIRONMENTAL RISK CONSIDERATIONS

Although not required by the ASTM E1527-13 & E1527-21 standard, based on standard industry practices, Bergmann has attempted to identify Business Environmental Risk (BER) considerations for the Property.

10.1 ASBESTOS CONTAINING BUILDING MATERIALS

An asbestos containing materials (ACM) survey was not conducted as part of this ESA. Development is not planned to occur on or within the building, therefore, the potential for ACM is not a BER.

10.2 LEAD BASED PAINT

A Lead-Based paint (LBP) survey was not conducted as part of this ESA. Development is not planned to occur on or within the building, therefore, the potential for LBP is not a BER.

10.3 INDOOR AIR QUALITY

There are no buildings contemplated with the construction of the Project, therefore, indoor air quality on the Property in future buildings is not considered a BER.

10.4 LEAD IN DRINKING WATER

Lead in drinking water is not suspected on the Property at this time. The potential for lead in drinking water is not considered a BER.

10.5 ENVIRONMENTAL REGULATORY COMPLIANCE

Bergmann did not identify any documentation or observe any items related to violations of environmental regulations at the Property.

10.6 VAPOR ENCROACHMENT

A Vapor Encroachment Survey (VES) was not conducted as part of this Phase I ESA. There is evidence of the potential for soil vapor encroachment and vapor intrusion into future buildings, if constructed at the Property based on the Site Management Plan and history of the site use.

10.7 CULTURAL, HISTORIC, AND ARCHEOLOGICAL RESOURCES

The National Register of Historic Places (NRHP) was reviewed for properties within Westchester, New York. No structures, historic properties, or other features of historic significance listed on the National Register were determined to be located within the vicinity of the Property Boundary. A desktop review of the New York State Cultural Resource Information System (CRIS) was also conducted. The CRIS map indicated that the Study Area is not within a mapped archeologically sensitive area.

10.8 WETLANDS AND SURFACE WATERS

The United States Fish & Wildlife Service (USFWS) National Wetlands Inventory (NWI) Map for Westchester County, New York was reviewed. The USFWS NWI identifies one (1) Freshwater Emergent Wetland feature (PEM1E) mapped within the Property Boundary. NYSDEC Environmental Resource Mapper (ERM) was also reviewed. The ERM shows that the Property is not located within the “rare plants and animals” layer, however there are two potential NYS Protected endangered species not displayed on the map, the Coast Violet and the Hyssop-skullcap last documented in 1937 and 1936, respectively. No portion of the Property is in the “significant natural communities’ layer.

The NYSDEC Freshwater Wetland (FWW) Map was also reviewed. No NYSDEC FWW are mapped on the Property. The New York State Water Quality Classification mapping was reviewed and no (1) streams were mapped within the Property Boundary

10.9 THREATENED, ENDANGERED, AND OTHER PROTECTED SPECIES

The NYNHP rare species distribution model was reviewed to determine the number of species predicted to have suitable habitat within a given location. Based on this model, there are no endangered species at this location. A preliminary review of the NYSDEC Environmental Resource Mapper (ERM) shows that the Property is not located within the "rare plants and animals" layer, however there are two potential NYS Protected endangered species not displayed on the map, the Coast Violet and the Hyssop-skullcap last documented in 1937 and 1936, respectively. No portion of the Property is in the "significant natural communities' layer.

The USFWS Information, Planning, and Conservation (IPaC) planning tool was used to obtain a list of threatened, endangered, and proposed species, designated critical habitat, and candidate species that may occur within the Property Boundary or that may be affected by the Project. The resource list identifies no endangered species that may potentially occur within the Property Boundary. The resource lists also identify 26 migratory birds within the project area.

10.10 WILDLIFE SANCTUARIES AND OTHER NATURAL RESOURCE PRESERVES

No wildlife sanctuaries or other natural resource preserves are present on or near the Property. Saxon Woods Park is located to the west of the Study Area.

10.11 BIOLOGICAL AGENTS

No biological agents were observed during the site reconnaissance on the Property.

10.12 MOLD

No mold was observed during the site reconnaissance as no buildings exist on the Property.

10.13 POTENTIAL PCB AND MERCURY CONTAINING MATERIALS

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the United States Environmental Protection Agency (U.S. EPA). PCBs in electrical equipment are controlled by U.S. EPA regulations 40 CFR, Part 761. The ASTM Standard requires identification of electrical or hydraulic equipment, not including light ballasts, that are known to contain PCBs or likely to contain PCBs.

Bergmann did not observe any pole-mounted transformers during the site reconnaissance.

10.14 POTENTIAL CFC-CONTAINING EQUIPMENT

Bergmann did not observe a potential for CFC-containing equipment on the Property during the site reconnaissance.

10.15 TRITIUM EXIT SIGNAGE

No Tritium Exit Signs were documented or observed during the site reconnaissance visit as the Study Area does not include the existing building on the Property.

10.16 POTENTIAL IMPACTS/IMPLICATIONS OF ENVIRONMENTAL ISSUES FOR PROPERTY DEVELOPMENT AND CONSTRUCTION

According to historical documentation, this property was added in the Volunteer Cleanup Program (VCP) in November 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants.

11.0 FINDINGS, OPINIONS AND CONCLUSIONS

11.1 SIGNIFICANT DATA GAPS

The following significant data gaps were identified during this Phase I ESA:

- A Freedom of Information Law Request (FOIL) response with respect to the Property has not been received from the Westchester County Department of Health and the Harrison Fire Department as of the date of this report.
- The EDR reported one (1) UST at Schuenke Residence, located about 2,000 ft east of the Property. EDR and the NYSDEC Database did not have any details pertaining to this UST. The lack of information from this EDR reported UST is a significant Data Gap.

11.2 RECOGNIZED ENVIRONMENTAL CONDITIONS (RECS)

RECs were identified on the Property during this Phase I ESA:

- Bergmann observed one (1) Cooling Tower on the Study Area. The Cooling Tower, Registration Number 10813, is used for Air Conditioning.
- Bergmann observed signage for one UST located on the Property. The UST is located on the southeast side of the building. This UST is a 20,000-gallon oil tank for the building's boiler tank. According to the property manager the oil tank receives yearly pressure and maintenance checks.
- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls and any future site redevelopment will require strict adherence to the SMP as well as submittal of a Change of Use to the NYSDEC.

11.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC)

Bergmann identified one (1) CRECs were identified on the Property during this Phase I ESA.

- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls and any future site redevelopment will require strict adherence to the SMP as well as submittal of a Change of Use to the NYSDEC.

11.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HRECS)

Bergmann identified one (1) HRECs during this Phase I ESA:

- In February 2022, the fitting broke on the boiler system piping in the basement of the on-site building. Approximately 20-gallons of Petroleum spill and was professionally cleaned up. Spill number 2110006 was closed on March 9th, 2022.

11.5 BUSINESS ENVIRONMENTAL RISK CONSIDERATIONS

Three (3) BERs were identified in association with this Phase I ESA:

- Bergmann observed one (1) Cooling Tower on the Study Area. The Cooling Tower, Registration Number 10813, is used for Air Conditioning.
- The planned development of the solar arrays is located in a parking lot with streetlights. Underground utilities are within the Study Area and should be considered before development.
- Adhering to requirements set forth by the Site Management Plan (SMP) and Associated Excavation Work Plan (EWP) for any utility or subgrade work.

11.6 STATEMENT OF COMPLIANCE

We have performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice ASTM E1527-13 & E1527-21 of the Property located at 500 Mamaroneck Avenue, Harrison, Westchester County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed Recognized Environmental Conditions connected with the Property.

This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the following entities: Bergmann (as the PowerFlex consultant); PowerFlex; and their respective successors, assigns, affiliates, and subsidiaries. The named entities above can convey this report to an affiliate, related entity, subsidiary, lender, title insurer, regulatory/city agency or current property owner(s) and their agents, but further dissemination to other parties or persons requires prior written approval from Bergmann.

12.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

Skylar J. Francis
Bergmann Assistant Project Manager
Phase I ESA Author/Site Reconnaissance

Ariadna Cheremeteff
Bergmann Environmental Discipline Leader
Phase I ESA QA/QC Reviewer

FIGURES

EnterSolar
500 Mamaroneck Ave.

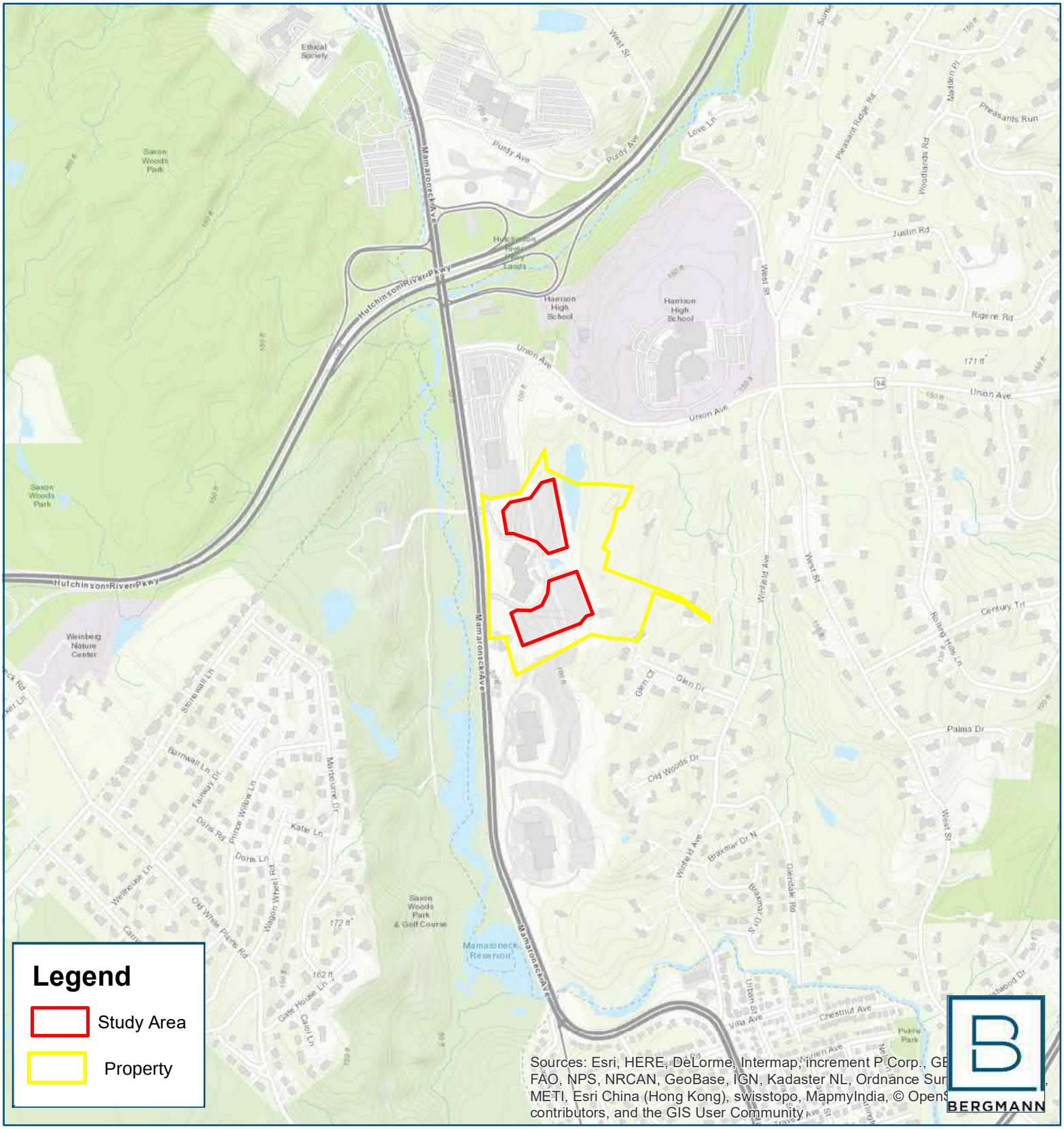
SITE LOCATION MAP

Fig. 1

1,000 Feet

N

Town of Harrison, Westchester County, New York



EnterSolar
500 Mamaroneck Ave.

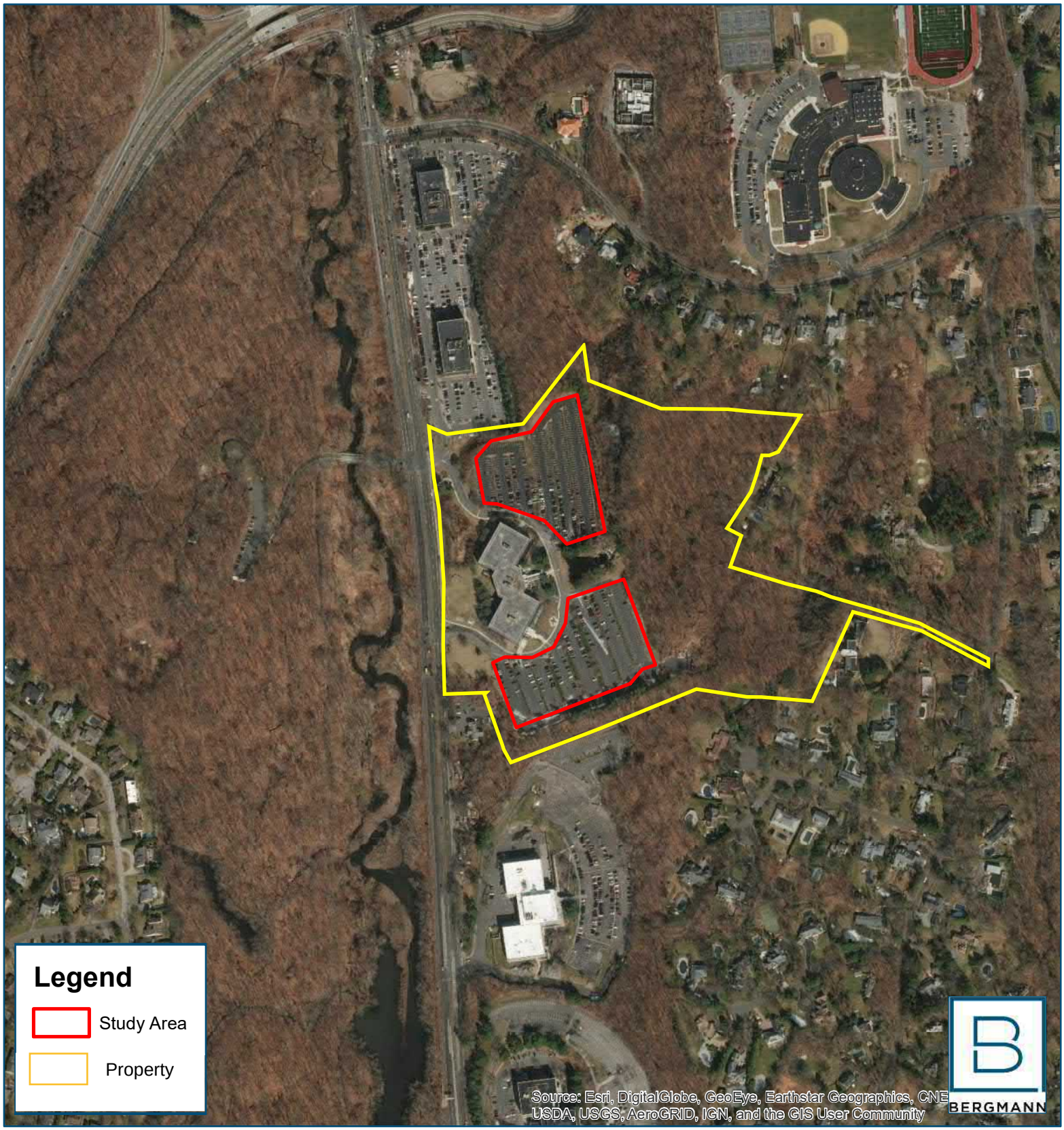
AERIAL IMAGERY MAP

Fig. 2

500 Feet

N

Town of Harrison, Westchester County, New York



PHOTOGRAPHS

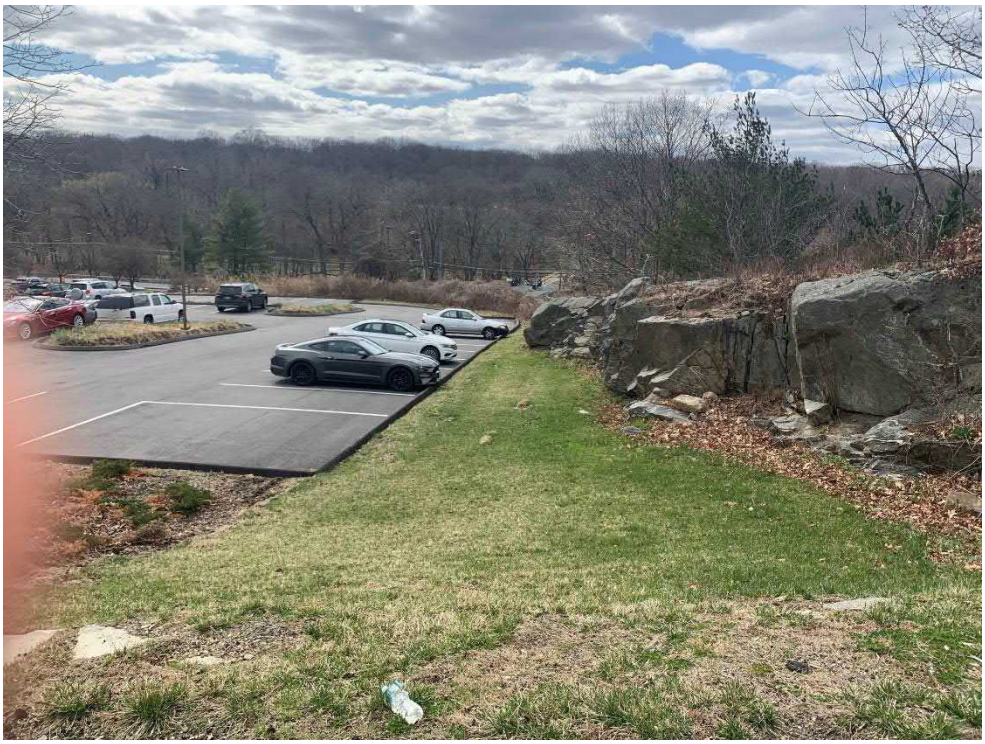
500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 1: Photo taken in north parking lot facing south.

Photograph 2: Photo taken in north parking lot facing south, towards the building.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 3: North-east corner facing east at the treeline.



Photograph 4: North-east corner facing west.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 5: Facing east to the wooded area behind the property.

Photograph 6: Wooded area behind building.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 7: Pond/ waterfall located in the middle of the property between the north and south parking lot.

Photograph 8: Pond/ waterfall located in the middle of the property between the north and south parking lot.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 9: Entrance to 500 Mamaroneck Ave building.

Photograph 10: Location of waste containers (trash and recyclables) for 500 Mamaroneck.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 11: One (1) empty 55-gallon drum located in in south-east corner.

Photograph 12: Location of waste containers (trash and recyclables) for 500 Mamaroneck.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 13: Facing building from the southern property edge.

Photograph 14: Facing building along Mamaroneck Avenue.

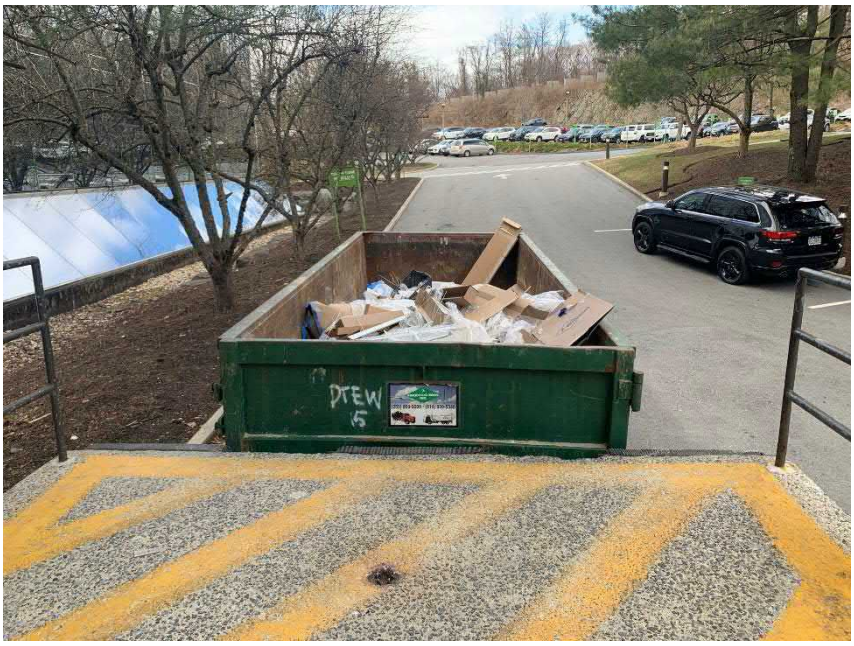
500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 15: Northbound along Mamaroneck Avenue.

Photograph 16: Facing south along Mamaroneck Avenue.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 17: Location of UST. Located on the southeast side of the building off the Study Area.



Photograph 18: Temporary recycling container outside the building on the on the property.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 19: South parking lot facing east.

Photograph 20: Cooling Tower located in the middle of the north parking lot.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 21: Information and Caution postings listed on the Cooling Tower.

Photograph 22: Electrical unit associated with the Cooling Tower.

APPENDIX A:

USGS TOPOGRAPHIC MAPS

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6916986.4

March 28, 2022

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

03/28/22

Site Name:	Client Name:
500 Mamaroneck Ave	Bergmann Associates
500 Mamaroneck Ave	280 East Broad Street, Suite 200
Harrison, NY 10528	Rochester, NY 14604
EDR Inquiry # 6916986.4	Contact: Skylar Francis

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Bergmann Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	14064.10	**Latitude:**	40.977288 40° 58' 38" North
Project:	500 Mamaroneck Ave	**Longitude:**	-73.740565 -73° 44' 26" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	605957.97
		UTM Y Meters:	4536999.55
		Elevation:	133.85' above sea level

Maps Provided:

2019	1900
2016	1898
2013	1897
1994, 1995	
1975, 1979	
1966, 1967	
1955, 1956	
1947	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2019 Source Sheets

Mamaroneck
2019
7.5-minute, 24000

Mount Vernon
2019
7.5-minute, 24000

White Plains
2019
7.5-minute, 24000

2016 Source Sheets

Mamaroneck
2016
7.5-minute, 24000

Mount Vernon
2016
7.5-minute, 24000

White Plains
2016
7.5-minute, 24000

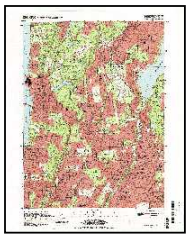
2013 Source Sheets

Mamaroneck
2013
7.5-minute, 24000

Mount Vernon
2013
7.5-minute, 24000

White Plains
2013
7.5-minute, 24000

1994, 1995 Source Sheets



WHITE PLAINS
1994
7.5-minute, 24000

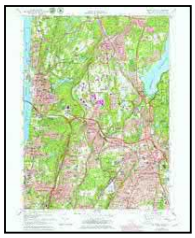
Mount Vernon
1995
7.5-minute, 24000
Aerial Photo Revised 1977

Topo Sheet Key

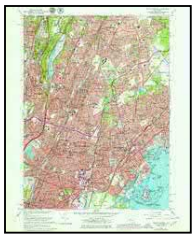
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1975, 1979 Source Sheets

Mamaroneck
1975
7.5-minute, 24000
Aerial Photo Revised 1966



White Plains
1979
7.5-minute, 24000
Aerial Photo Revised 1977

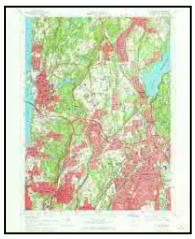


Mount Vernon
1979
7.5-minute, 24000
Aerial Photo Revised 1977

1966, 1967 Source Sheets

Mount Vernon
1966
7.5-minute, 24000
Aerial Photo Revised 1966

Mamaroneck
1967
7.5-minute, 24000
Aerial Photo Revised 1966



White Plains
1967
7.5-minute, 24000
Aerial Photo Revised 1965

1955, 1956 Source Sheets

Mamaroneck
1955
7.5-minute, 24000
Aerial Photo Revised 1941

Mount Vernon
1956
7.5-minute, 24000
Aerial Photo Revised 1954

1947 Source Sheets

Mamaroneck
1947
7.5-minute, 24000
Aerial Photo Revised 1941

Mt Vernon
1947
7.5-minute, 24000
Aerial Photo Revised 1941

White Plains
1947
7.5-minute, 24000
Aerial Photo Revised 1940

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1900 Source Sheets

Harlem
1900
15-minute, 62500

Oyster Bay
1900
15-minute, 62500

1898 Source Sheets

Oyster Bay
1898
15-minute, 62500

Harlem
1898
15-minute, 62500

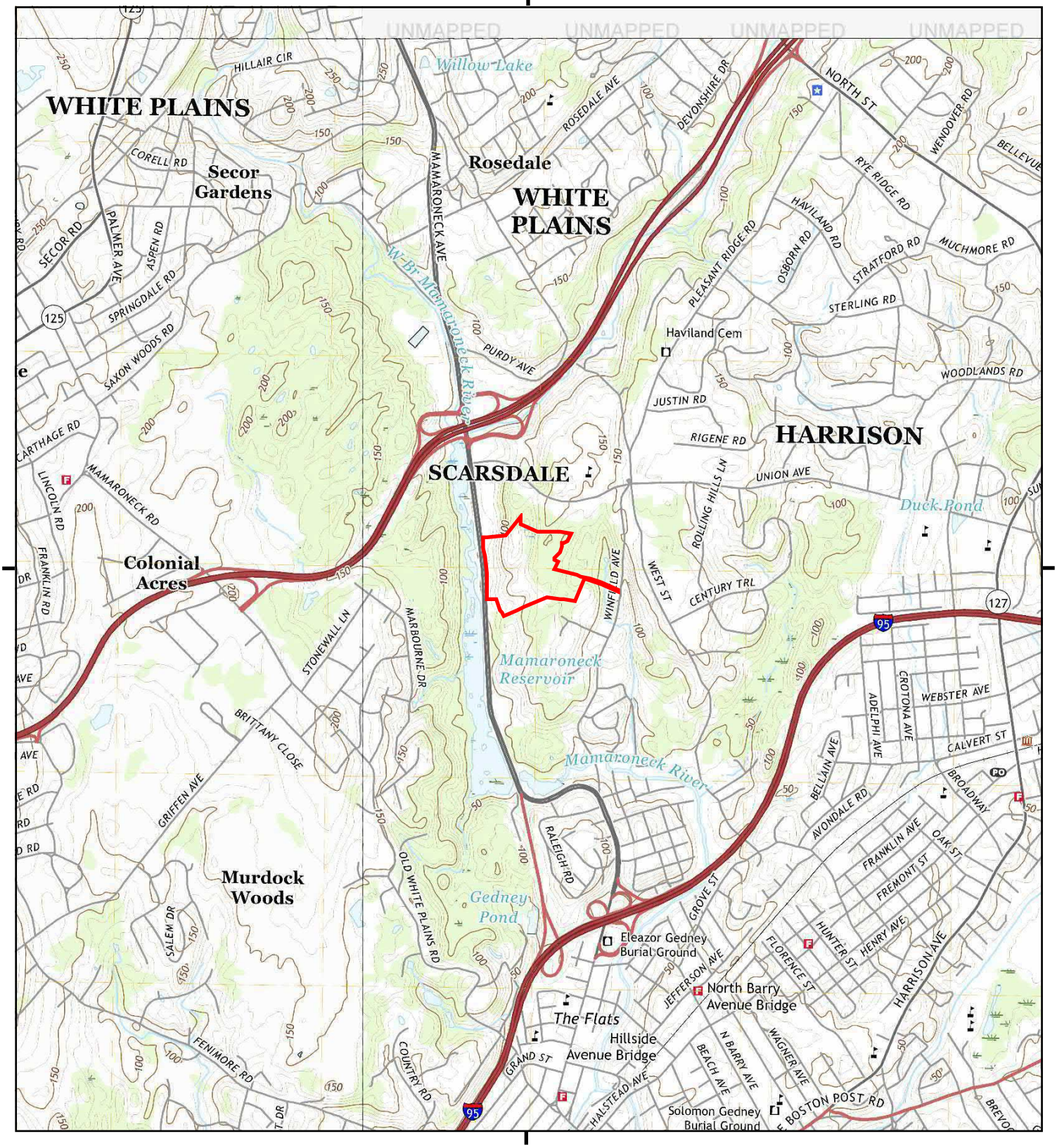
1897 Source Sheets

Harlem
1897
15-minute, 62500

Oyster Bay
1897
15-minute, 62500

Historical Topo Map

2019



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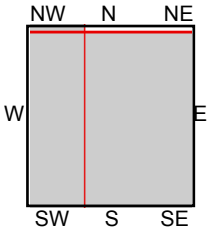


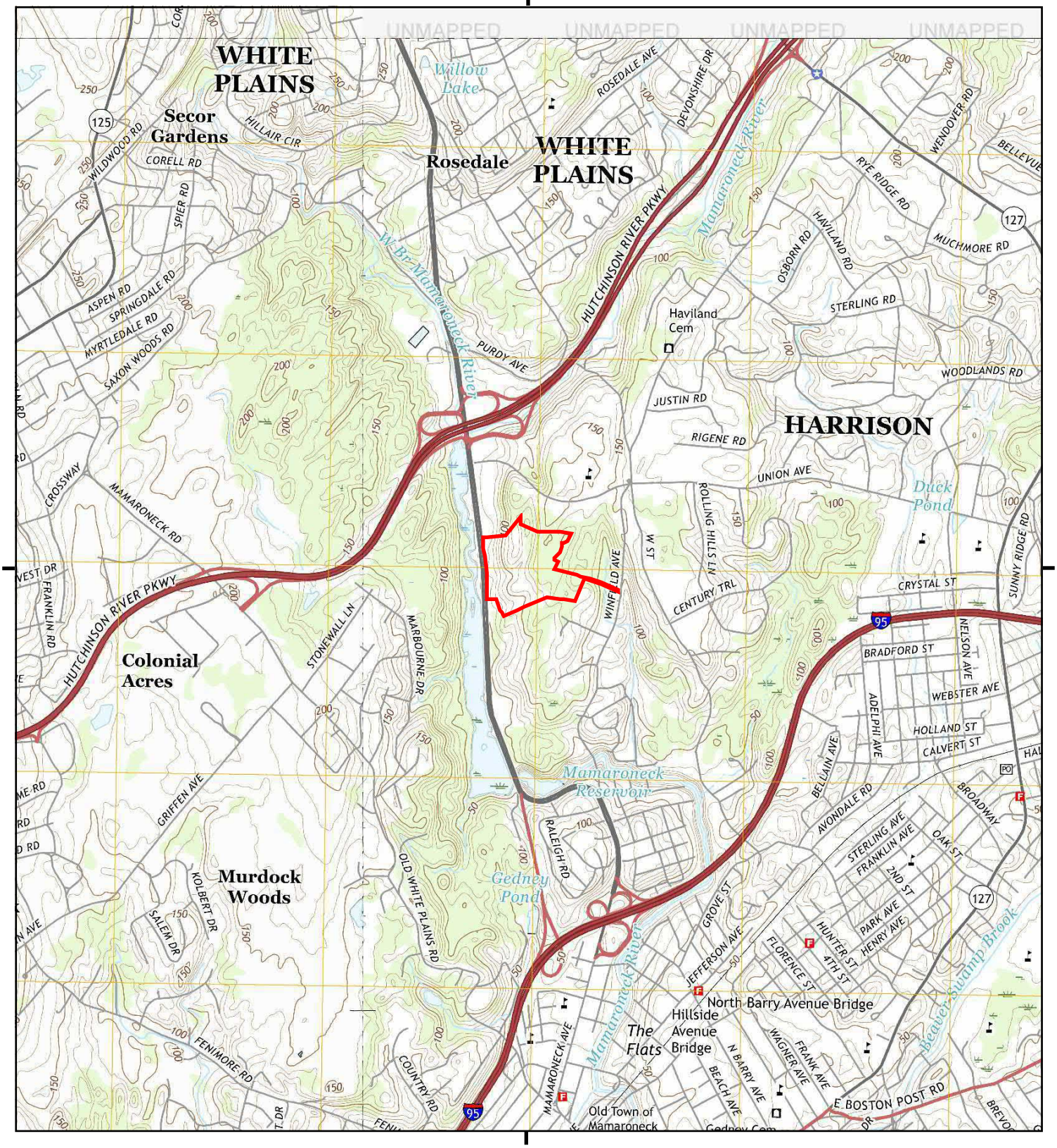
TP, Mamaroneck, 2019, 7.5-minute
SW, Mount Vernon, 2019, 7.5-minute
NW, White Plains, 2019, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

2016



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NW N NE
W E
SW S SE

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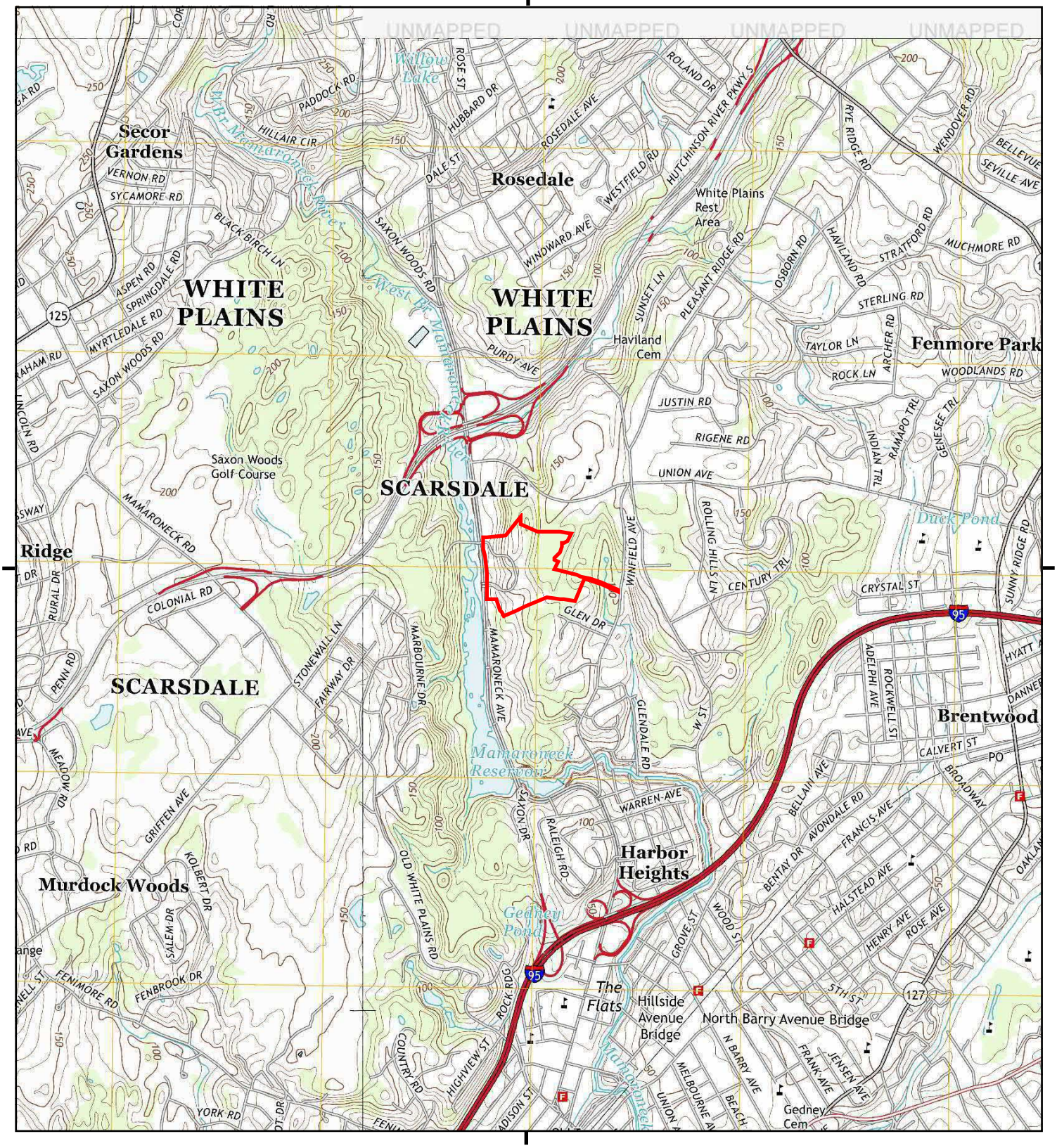
SW, Mount Vernon, 2016, 7.5-minute
NW, White Plains, 2016, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

2013



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NW N NE
W E
SW S SE

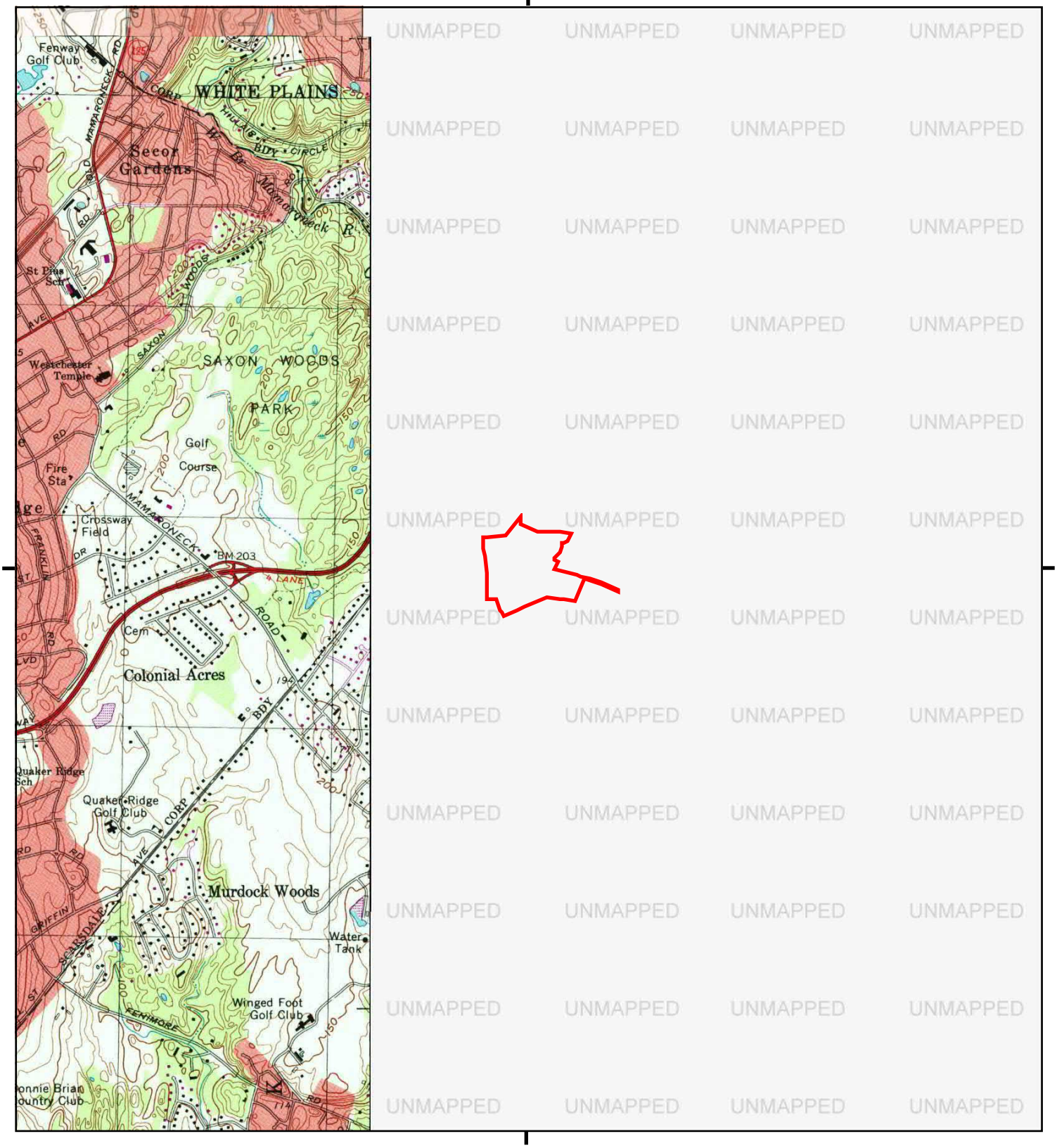
TP, Mamaroneck, 2013, 7.5-minute
SW, Mount Vernon, 2013, 7.5-minute
NW, White Plains, 2013, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1994, 1995



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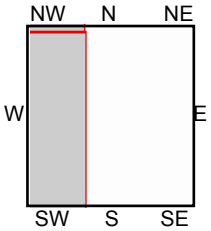


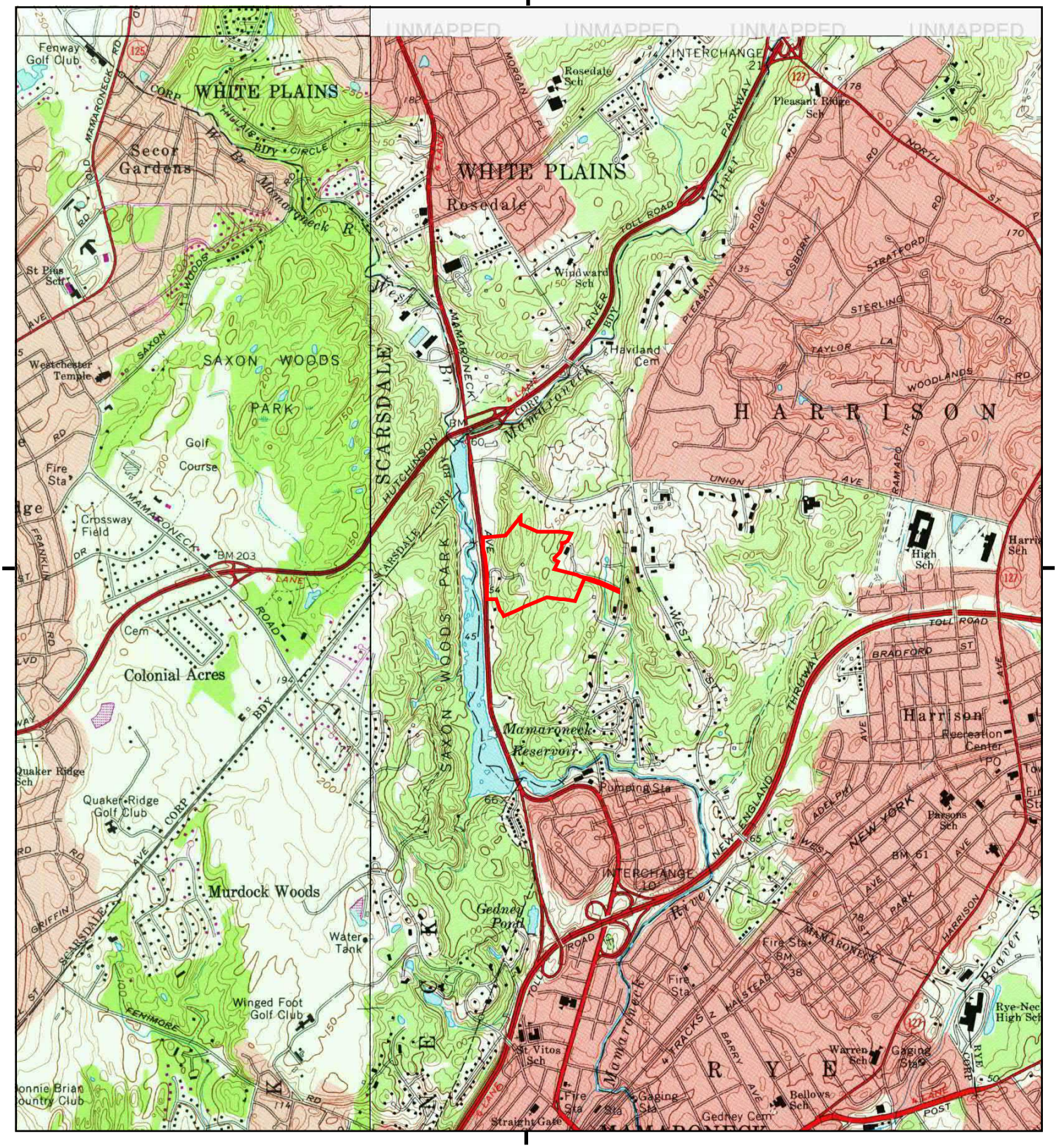
SW, Mount Vernon, 1995, 7.5-minute
NW, WHITE PLAINS, 1994, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1975, 1979



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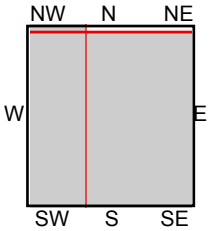


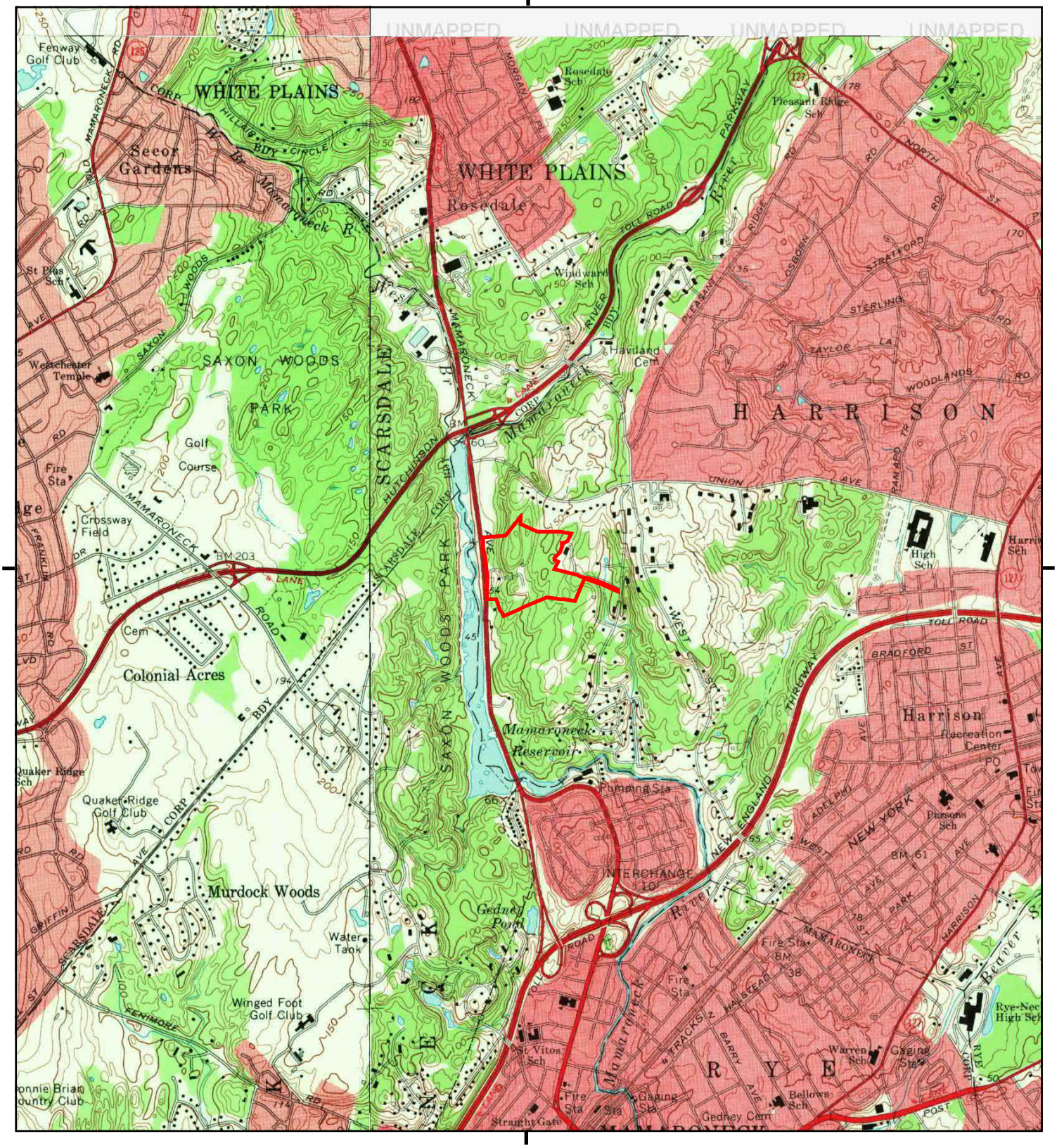
TP, Mamaroneck, 1975, 7.5-minute
SW, Mount Vernon, 1979, 7.5-minute
NW, White Plains, 1979, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1966, 1967



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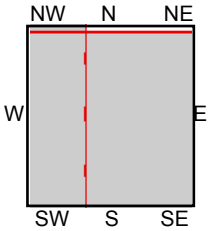

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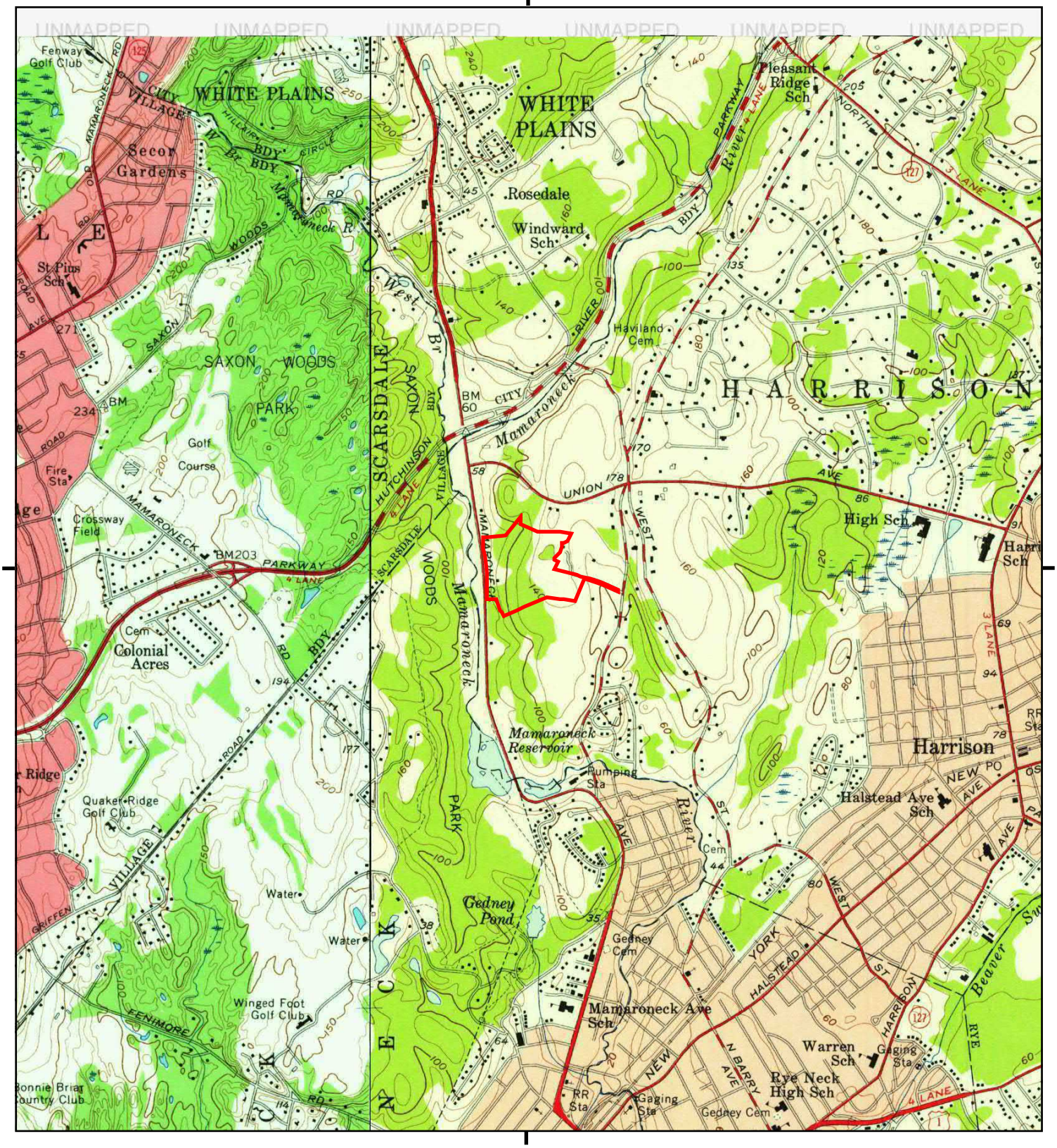
SW, Mount Vernon, 1966, 7.5-minute
NW, White Plains, 1967, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1955, 1956



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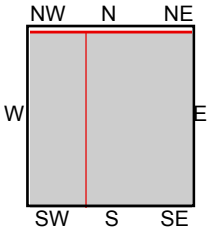
0 Miles 0.25 0.5 1 1.5



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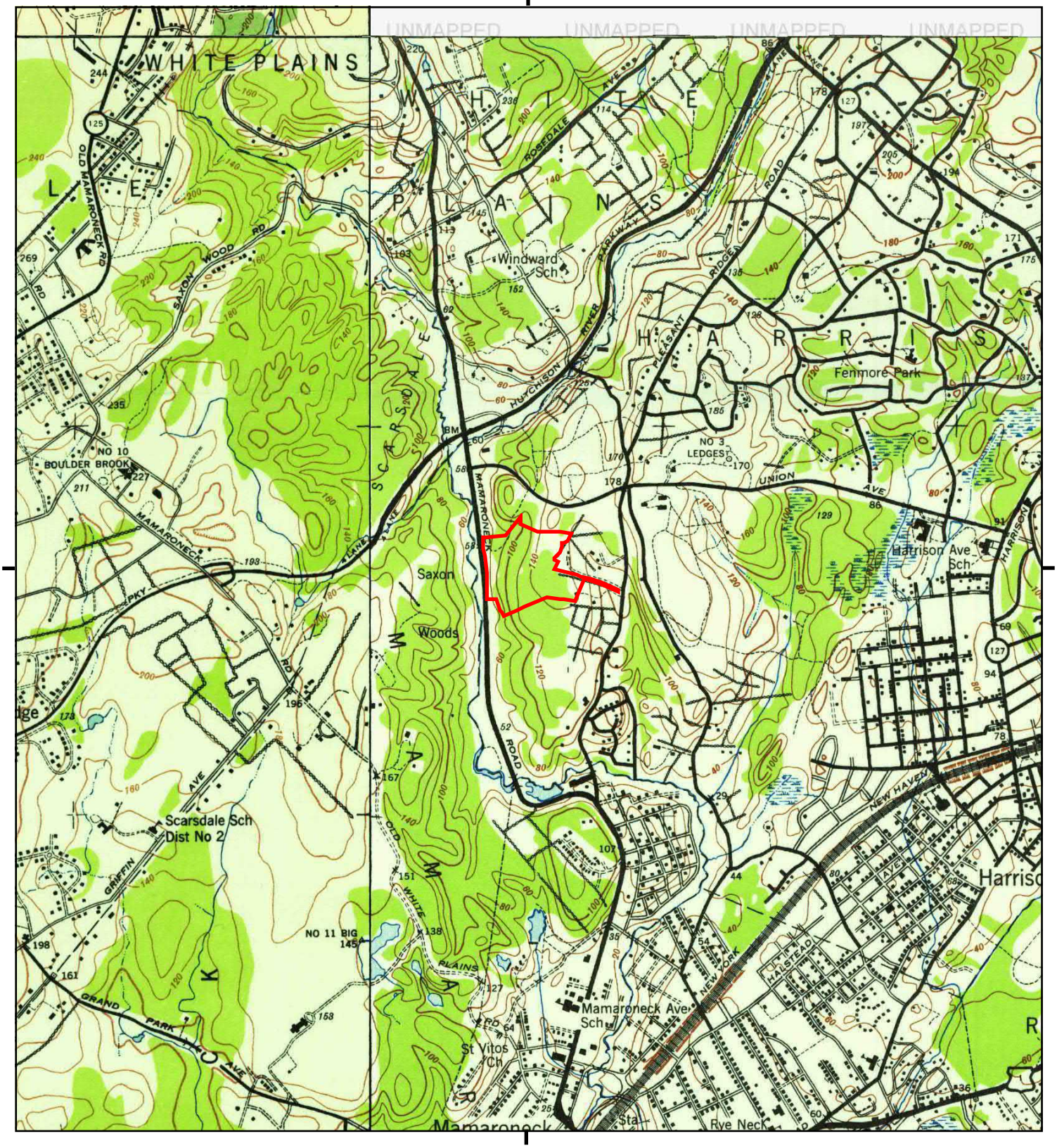
SW, Mount Vernon, 1956, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

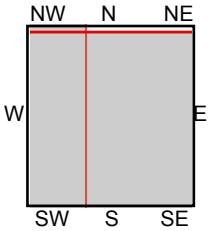
Historical Topo Map

1947



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



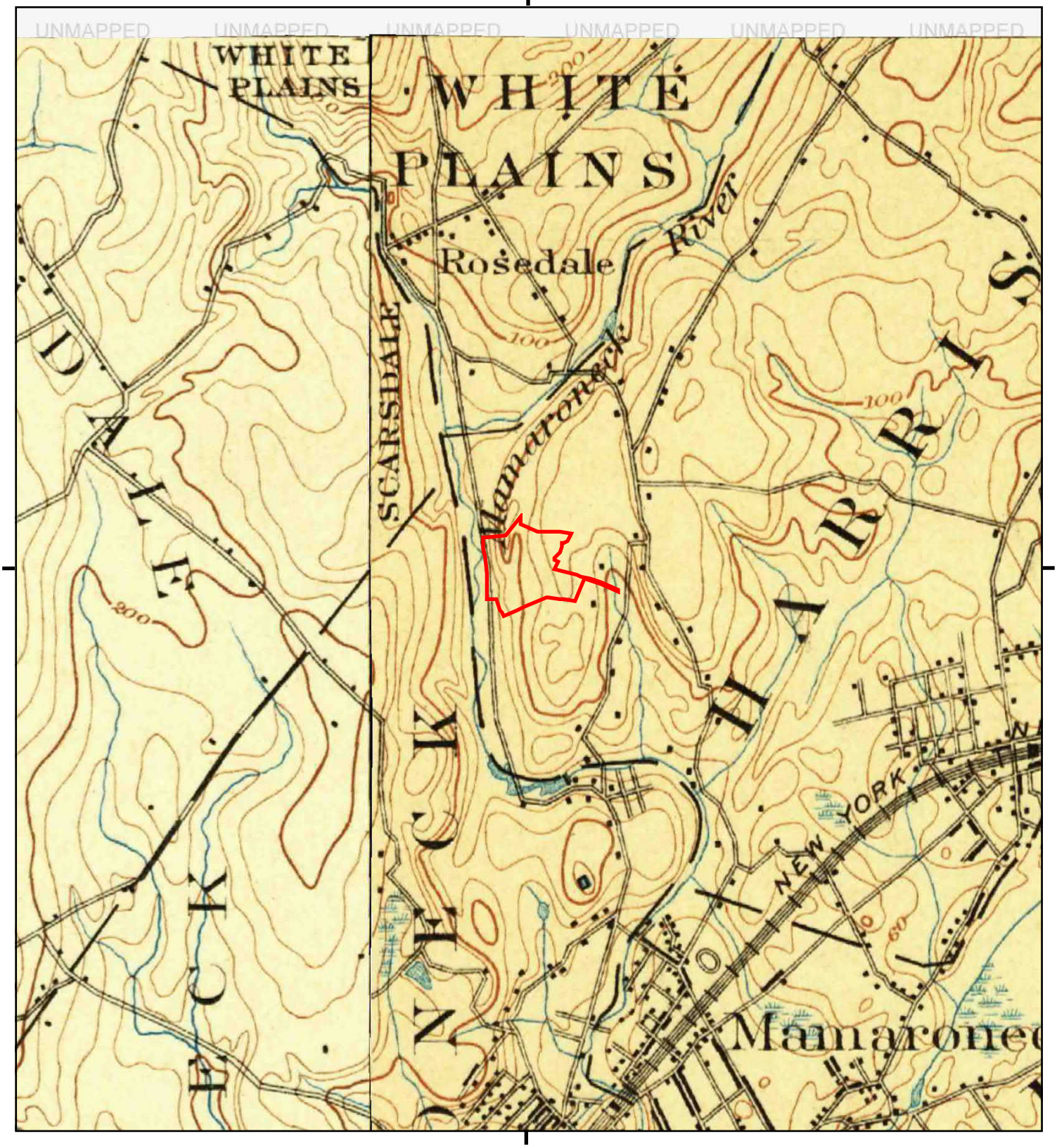
TP, Mamaroneck, 1947, 7.5-minute
SW, Mt Vernon, 1947, 7.5-minute
NW, White Plains, 1947, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1900



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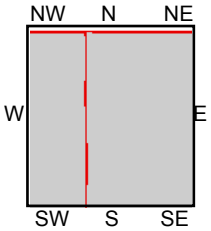


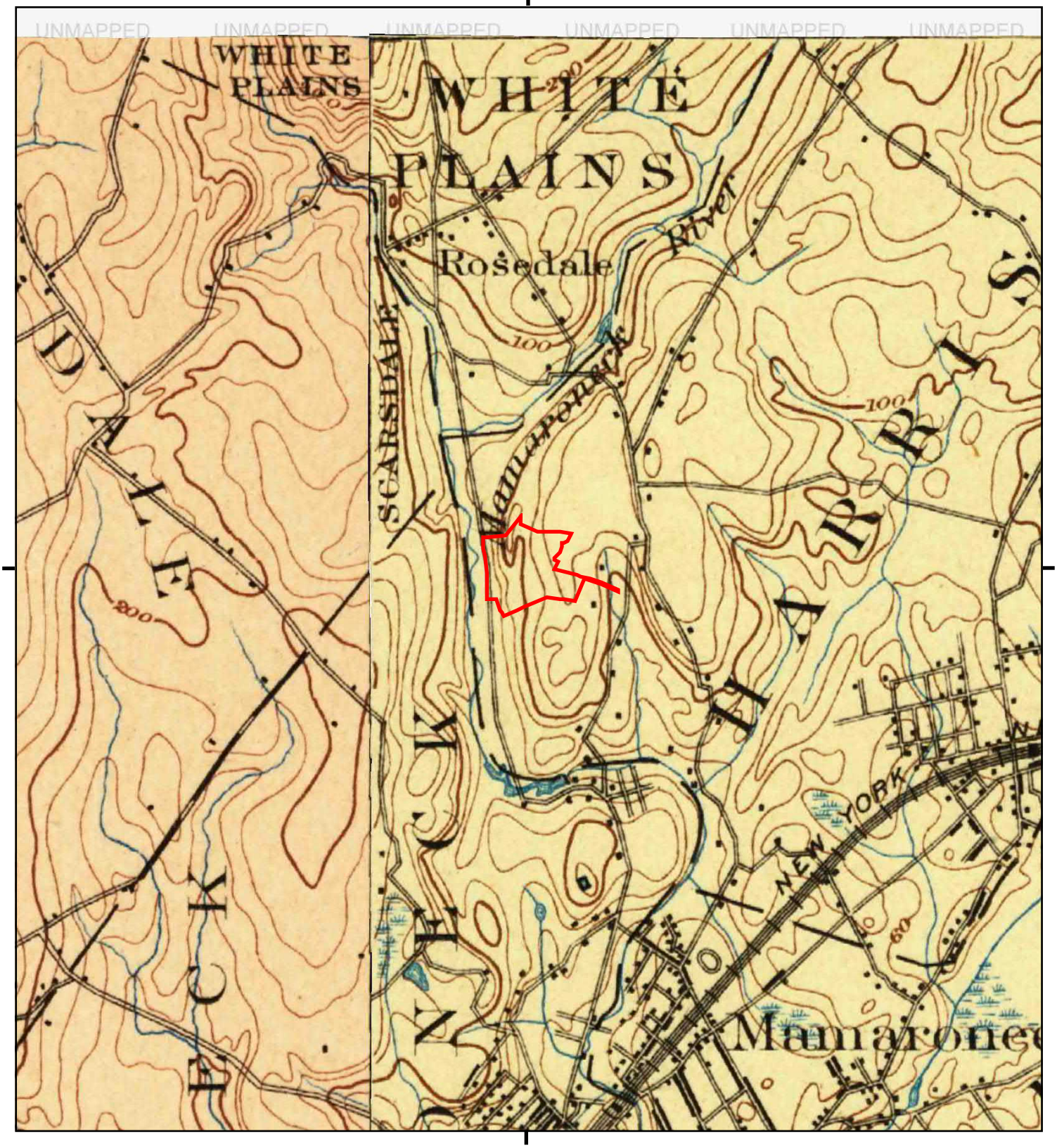
TP, Oyster Bay, 1900, 15-minute
SW, Harlem, 1900, 15-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1898



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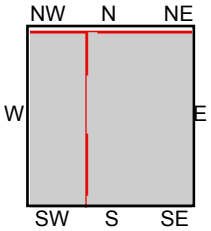


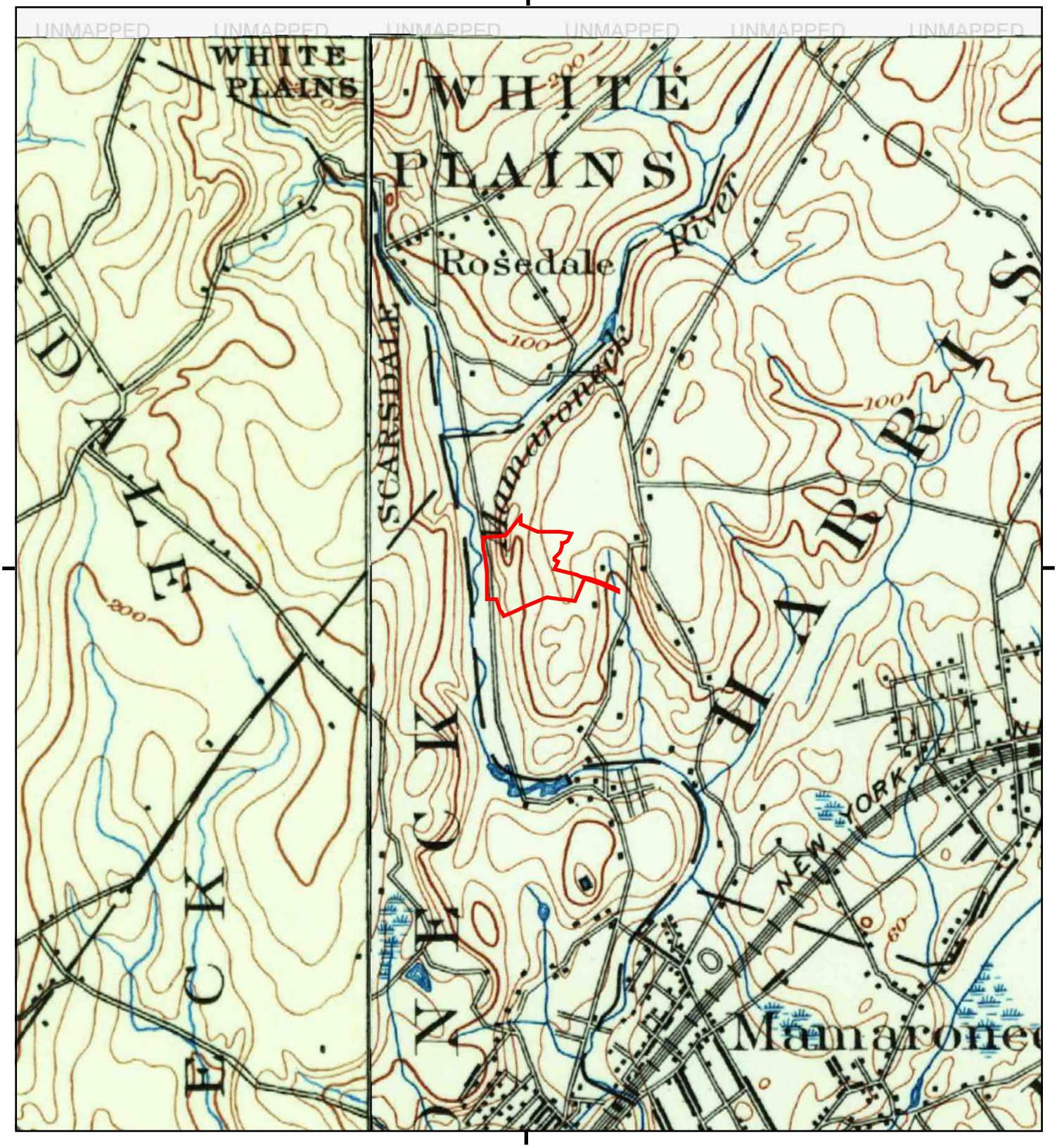
TP, Oyster Bay, 1898, 15-minute
SW, Harlem, 1898, 15-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1897



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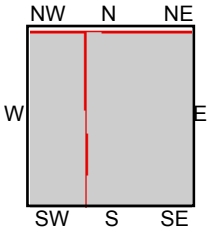

TP, Oyster Bay, 1897, 15-minute
SW, Harlem, 1897, 15-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

APPENDIX B:

AERIAL PHOTOGRAPHS

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6916986.11

March 28, 2022

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

03/28/22

Site Name:

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528
EDR Inquiry # 6916986.11

Client Name:

Bergmann Associates
280 East Broad Street, Suite 200
Rochester, NY 14604
Contact: Skylar Francis

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: April 20, 1989	NYDOT
1984	1"=500'	Flight Date: March 26, 1984	USDA
1979	1"=500'	Flight Date: June 14, 1979	USDA
1974	1"=500'	Flight Date: October 24, 1974	USDA
1964	1"=500'	Flight Date: March 23, 1964	USGS
1961	1"=500'	Flight Date: December 15, 1961	EDR Proprietary Aerial Viewpoint
1959	1"=500'	Flight Date: November 03, 1959	USGS
1953	1"=500'	Flight Date: November 29, 1953	USGS
1941	1"=500'	Flight Date: January 01, 1941	FirstSearch

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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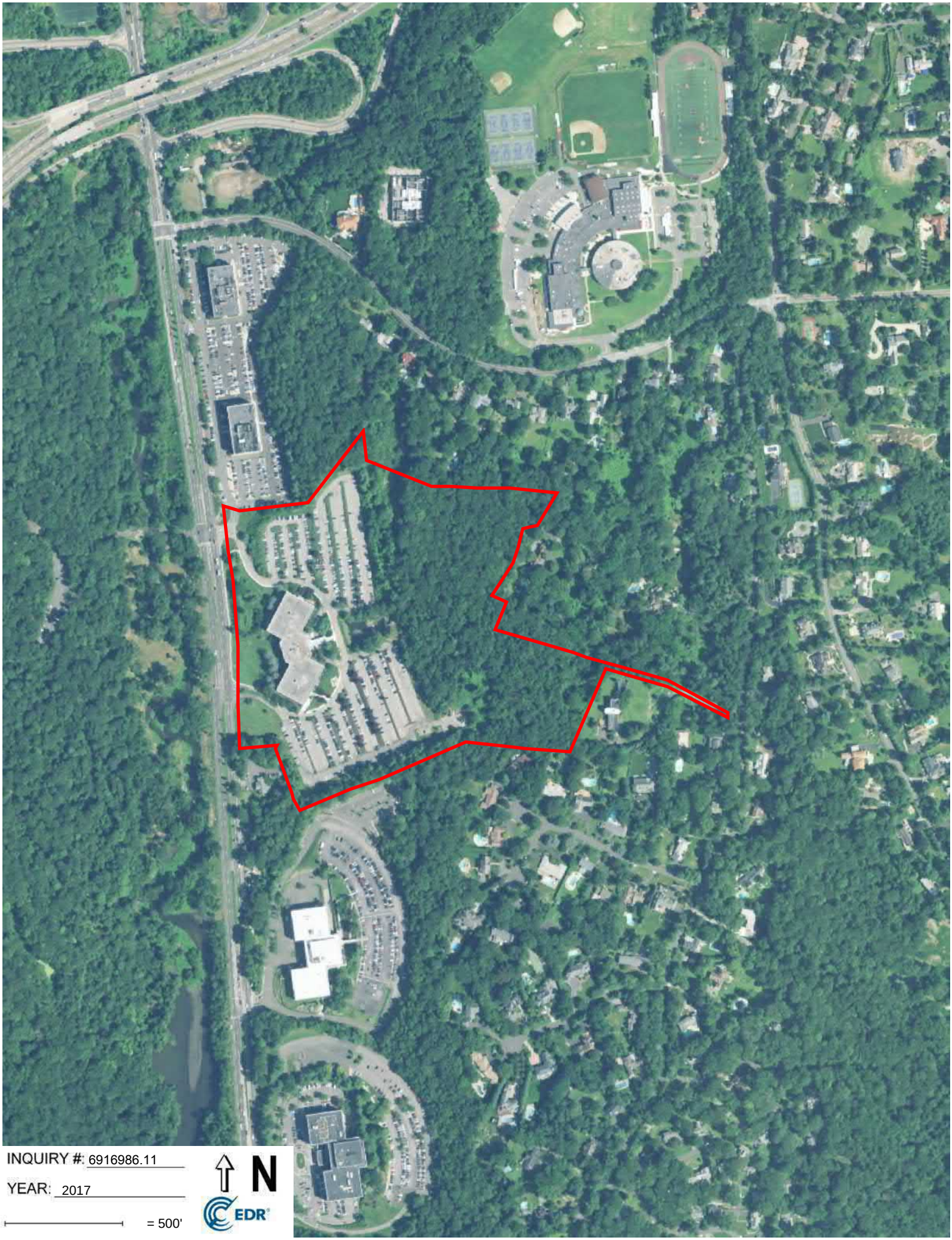


INQUIRY #: 6916986.11

YEAR: 2017

= 500'

N

EDR

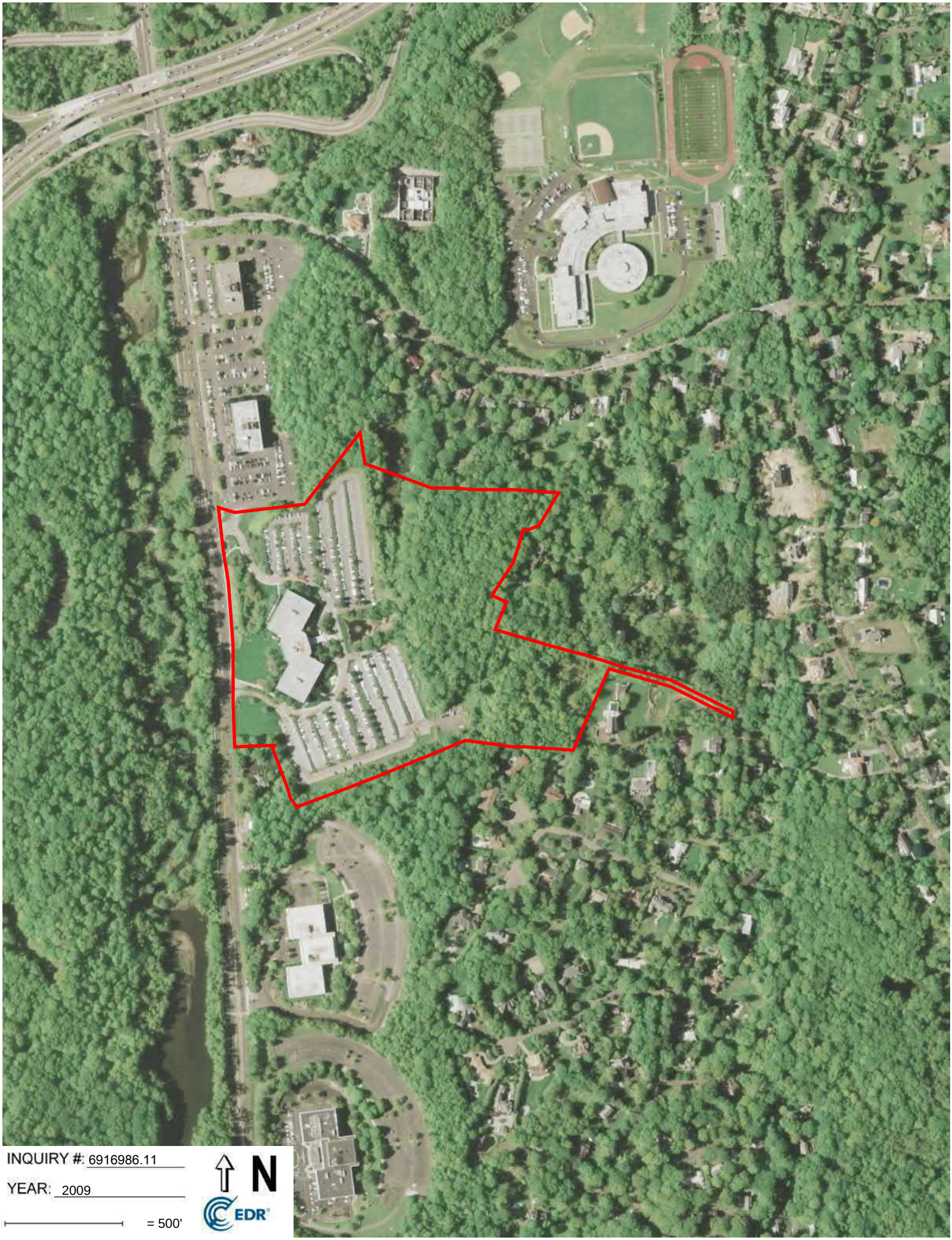
INQUIRY #: 6916986.11

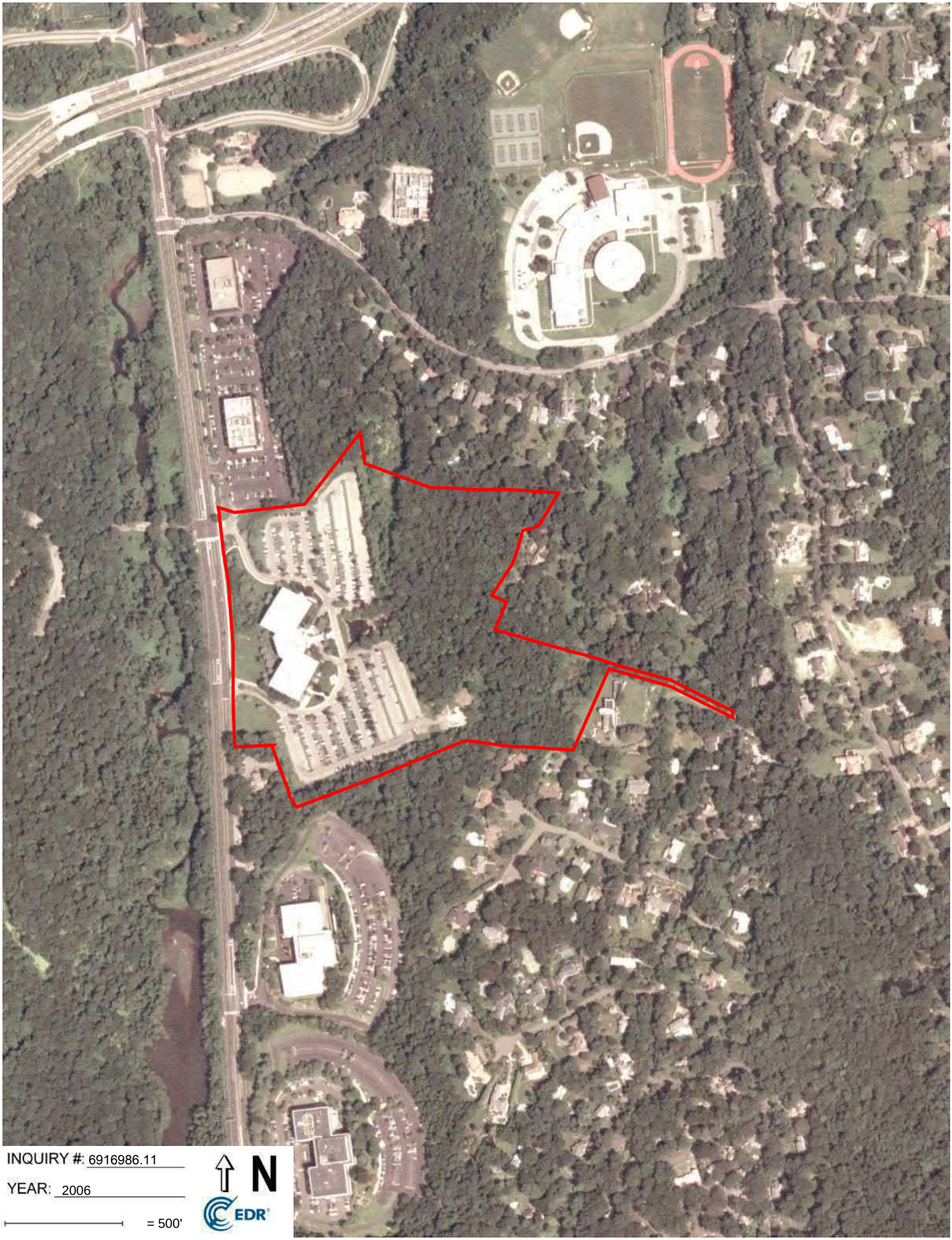
YEAR: 2013

= 500'

N

EDR


INQUIRY #: 6916986.11
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6916986.11
YEAR: 2006
= 500'
N
EDR

INQUIRY #: 6916986.11

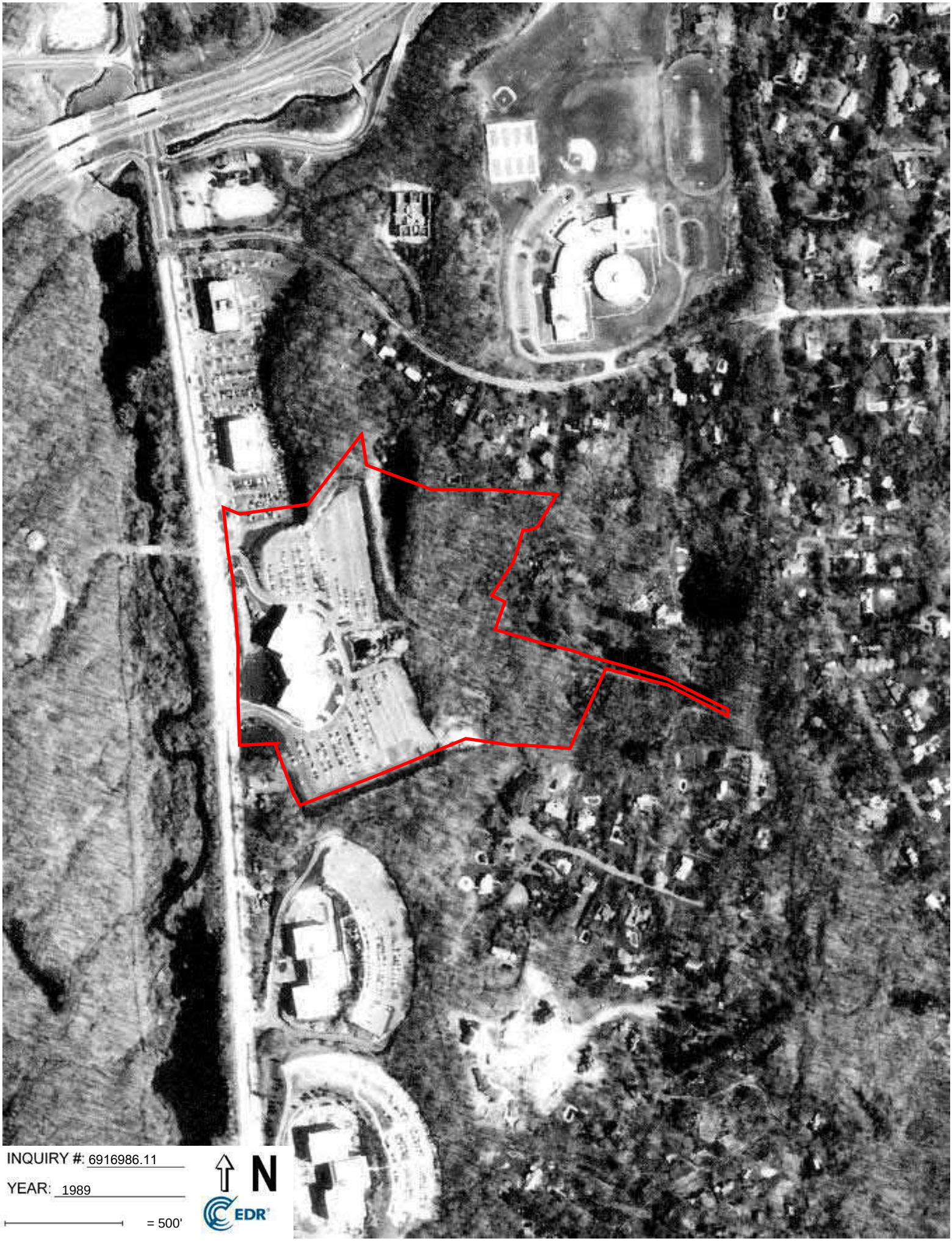
YEAR: 1994

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 6916986.11

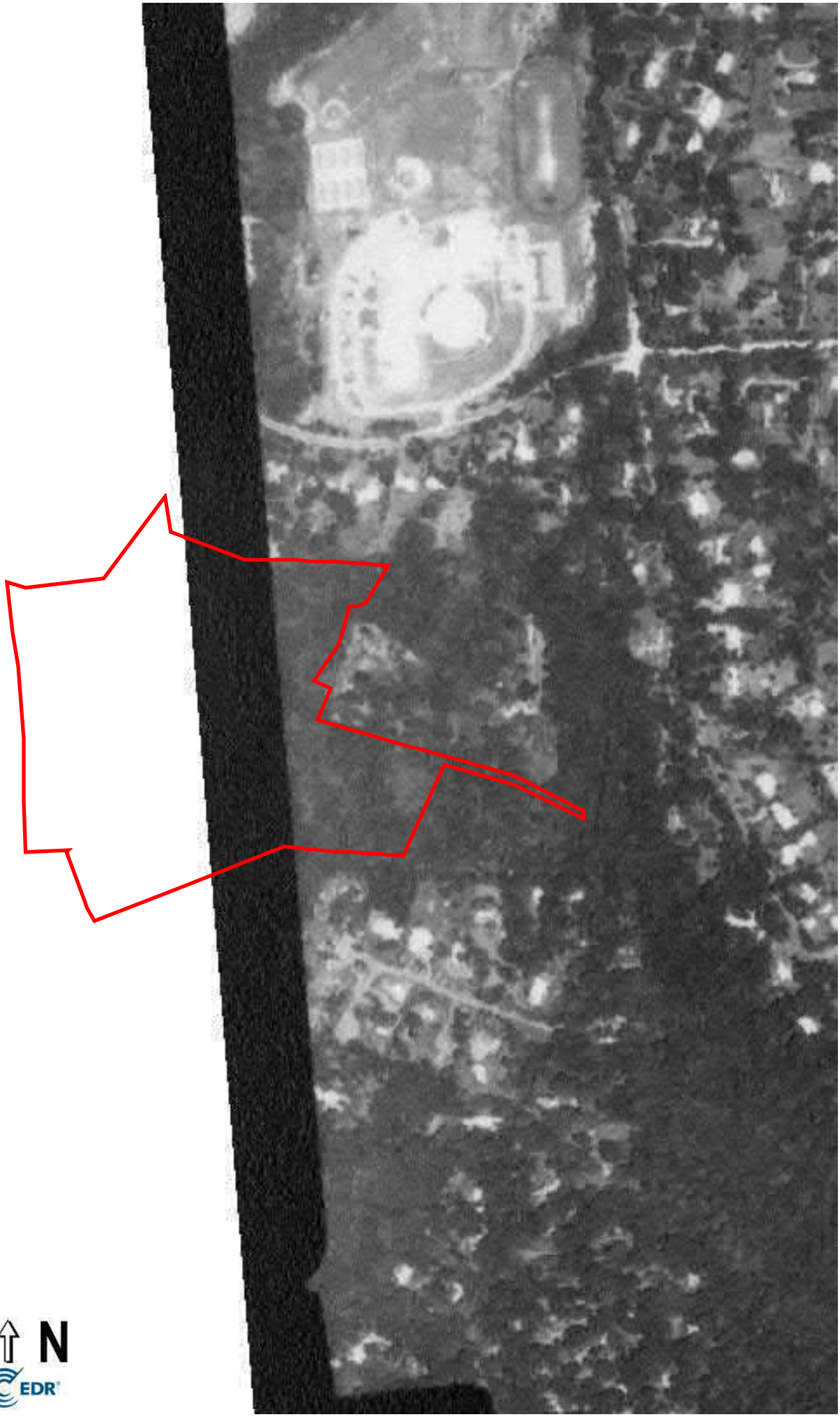
YEAR: 1989

= 500'

N

EDR

INQUIRY #: 6916986.11
YEAR: 1984
= 500'
N
EDR



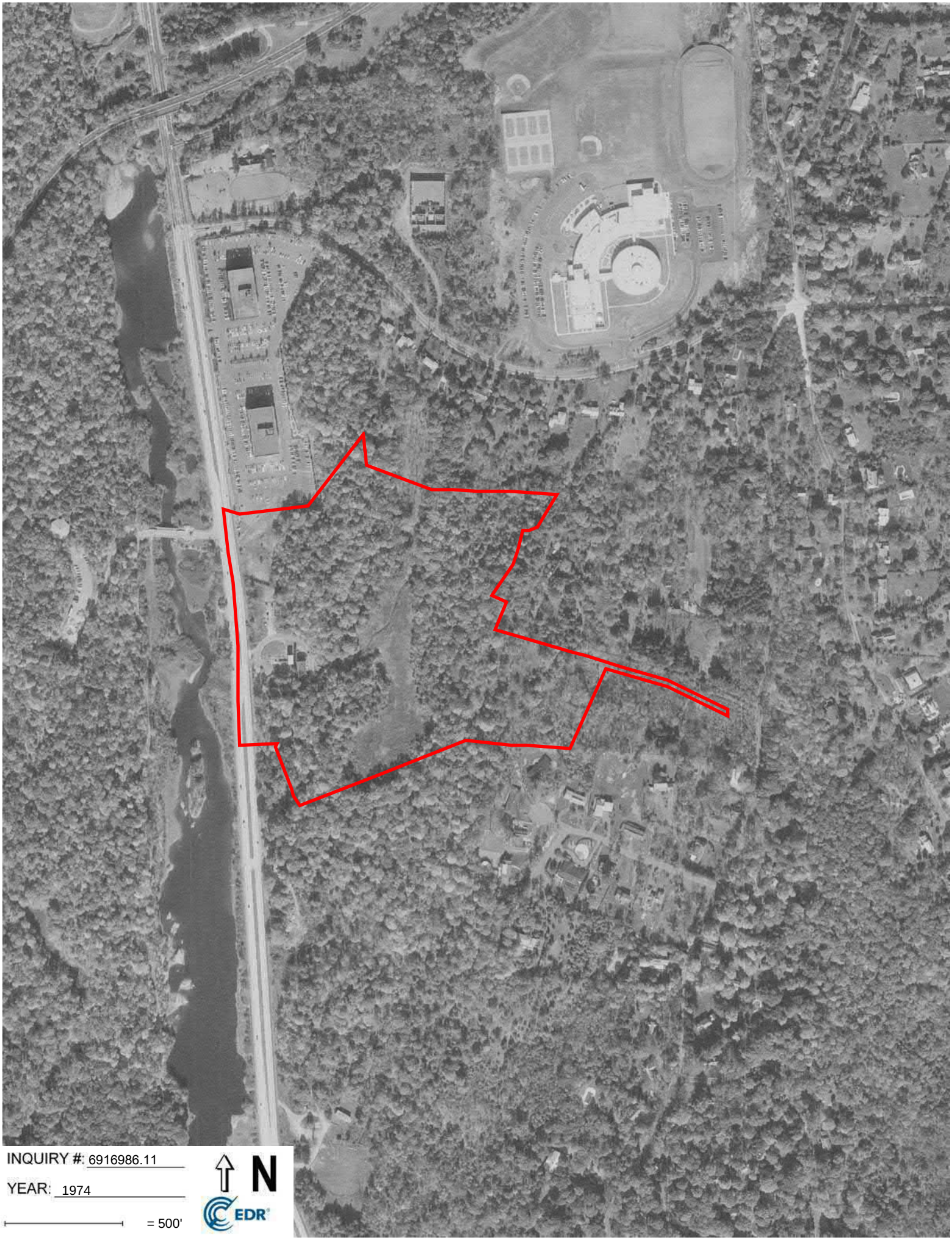
INQUIRY #: 6916986.11

YEAR: 1979

= 500'

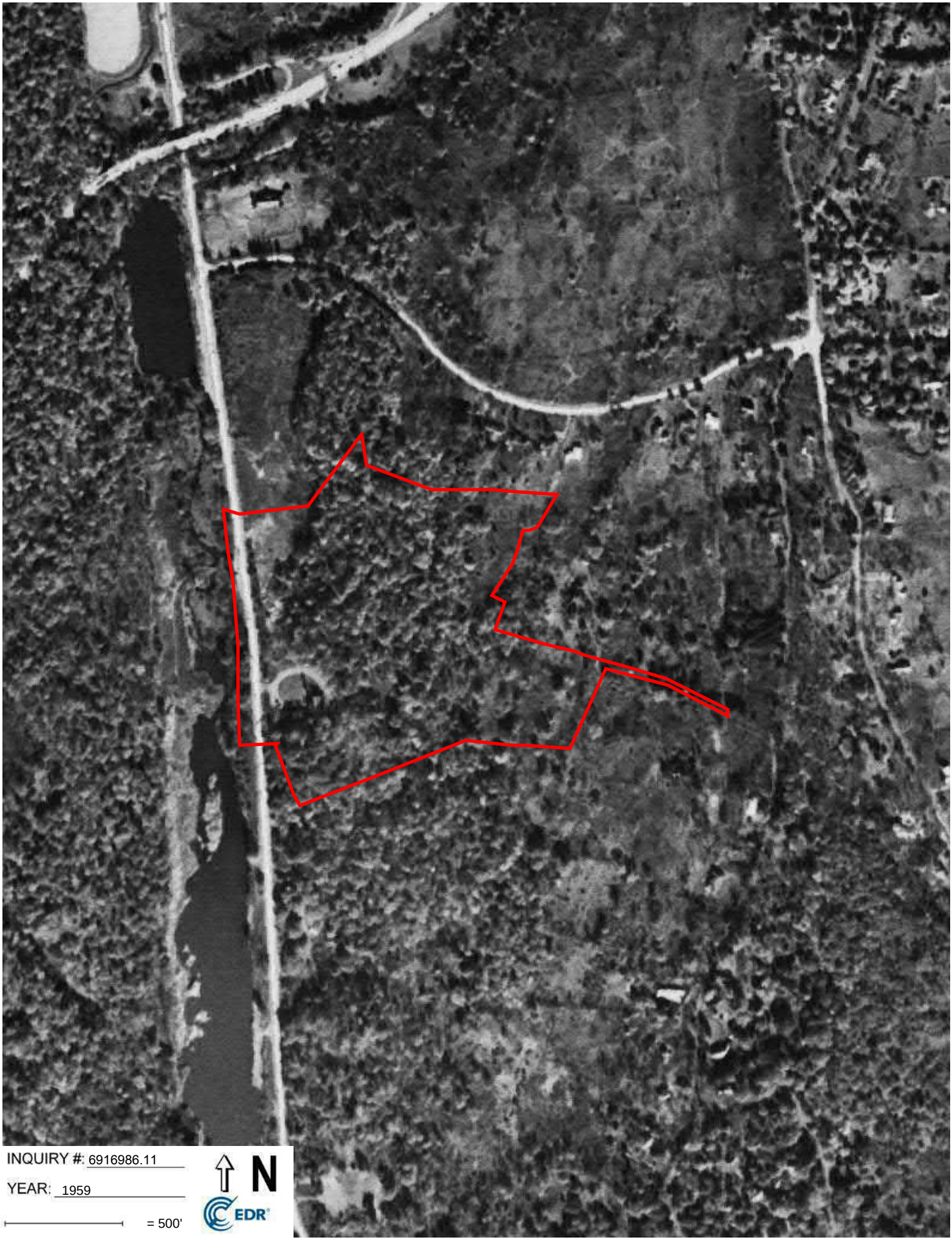
N

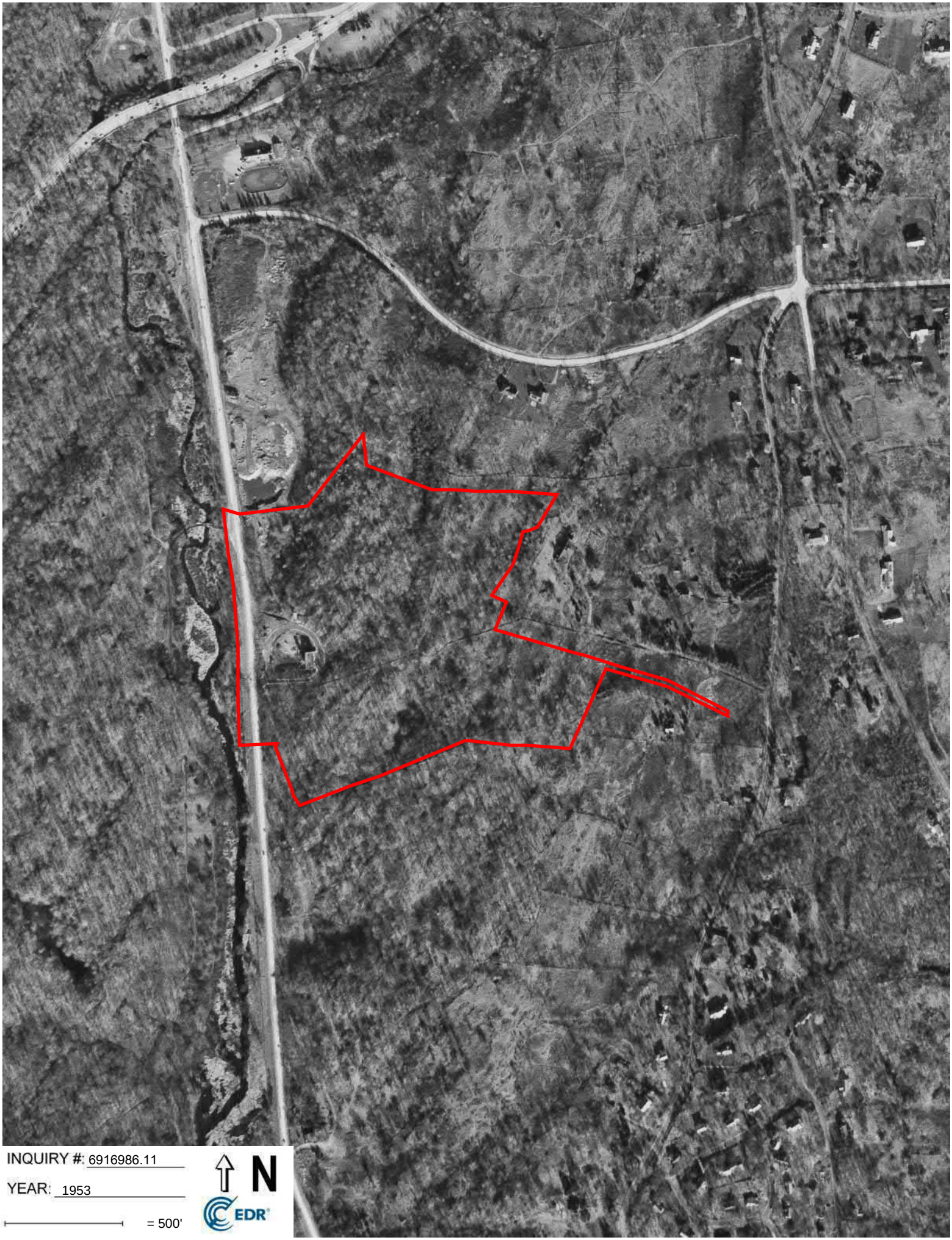
EDR


INQUIRY #: 6916986.11
YEAR: 1974
= 500'
N
EDR

INQUIRY #: 6916986.11
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 6916986.11
YEAR: 1961
= 500'
N
EDR


INQUIRY #: 6916986.11
YEAR: 1959
= 500'
N
EDR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= 500'
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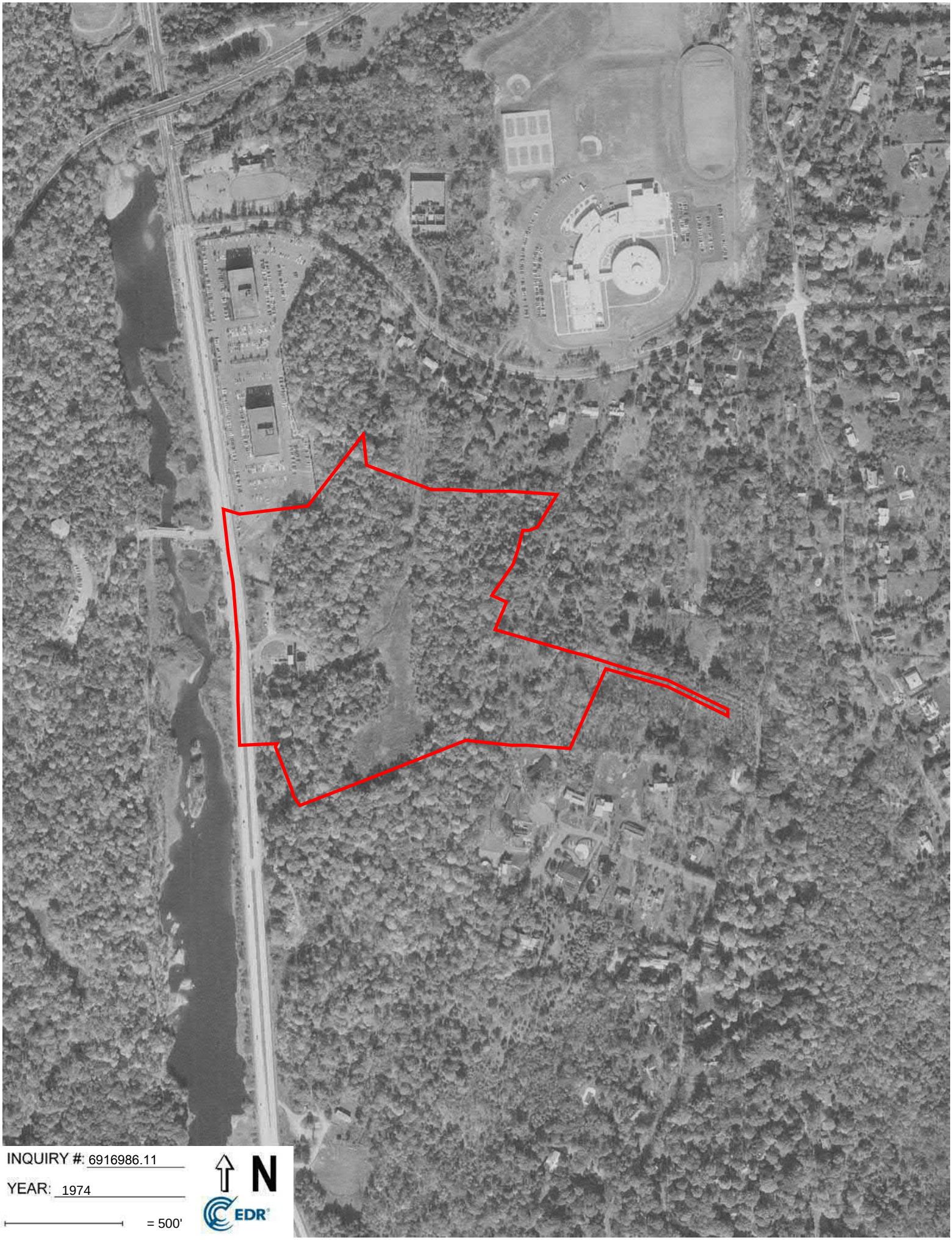
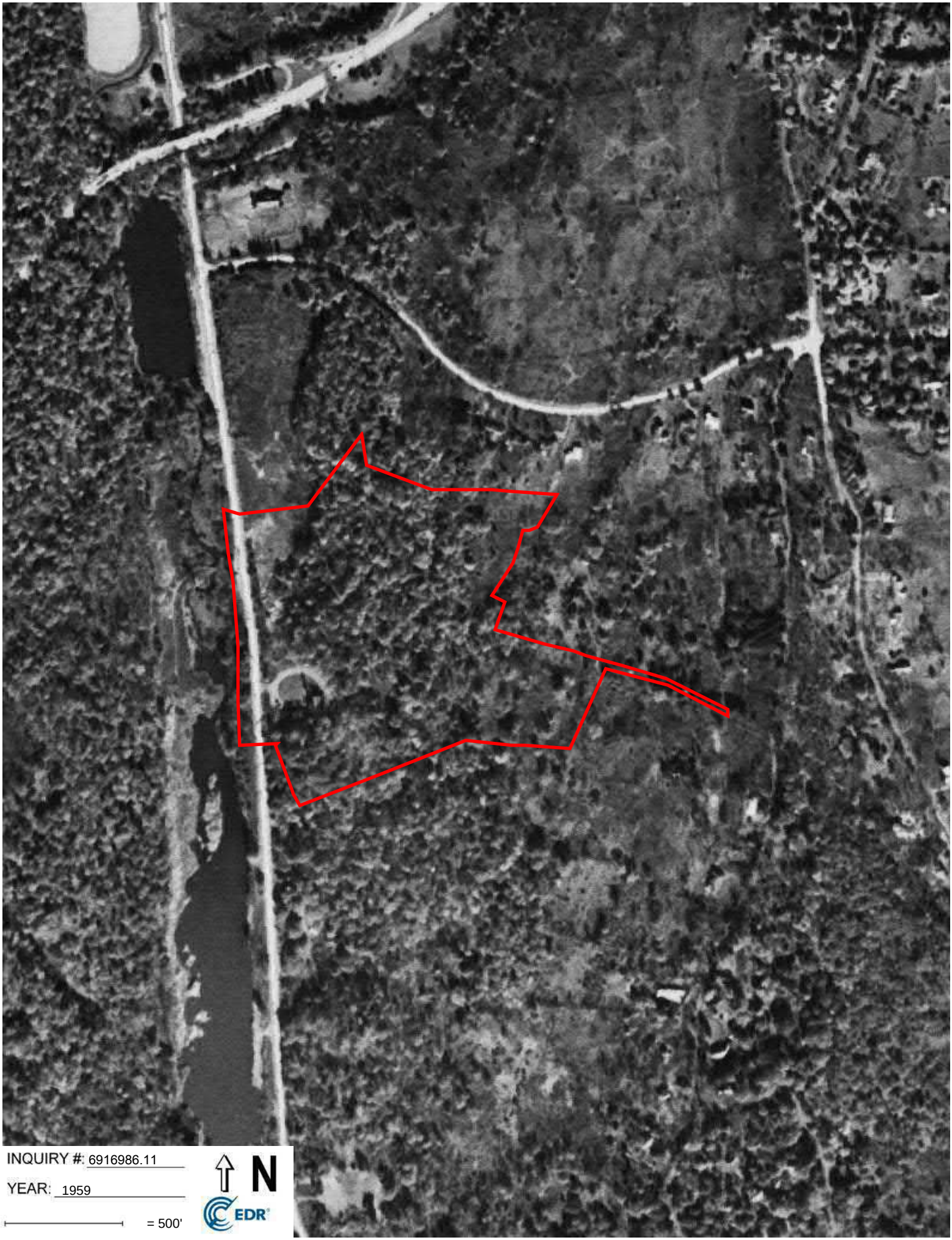
EDR


INQUIRY #: 6916986.11
YEAR: 1974
= 500'
N
EDR

INQUIRY #: 6916986.11
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 6916986.11
YEAR: 1961
= 500'
N
EDR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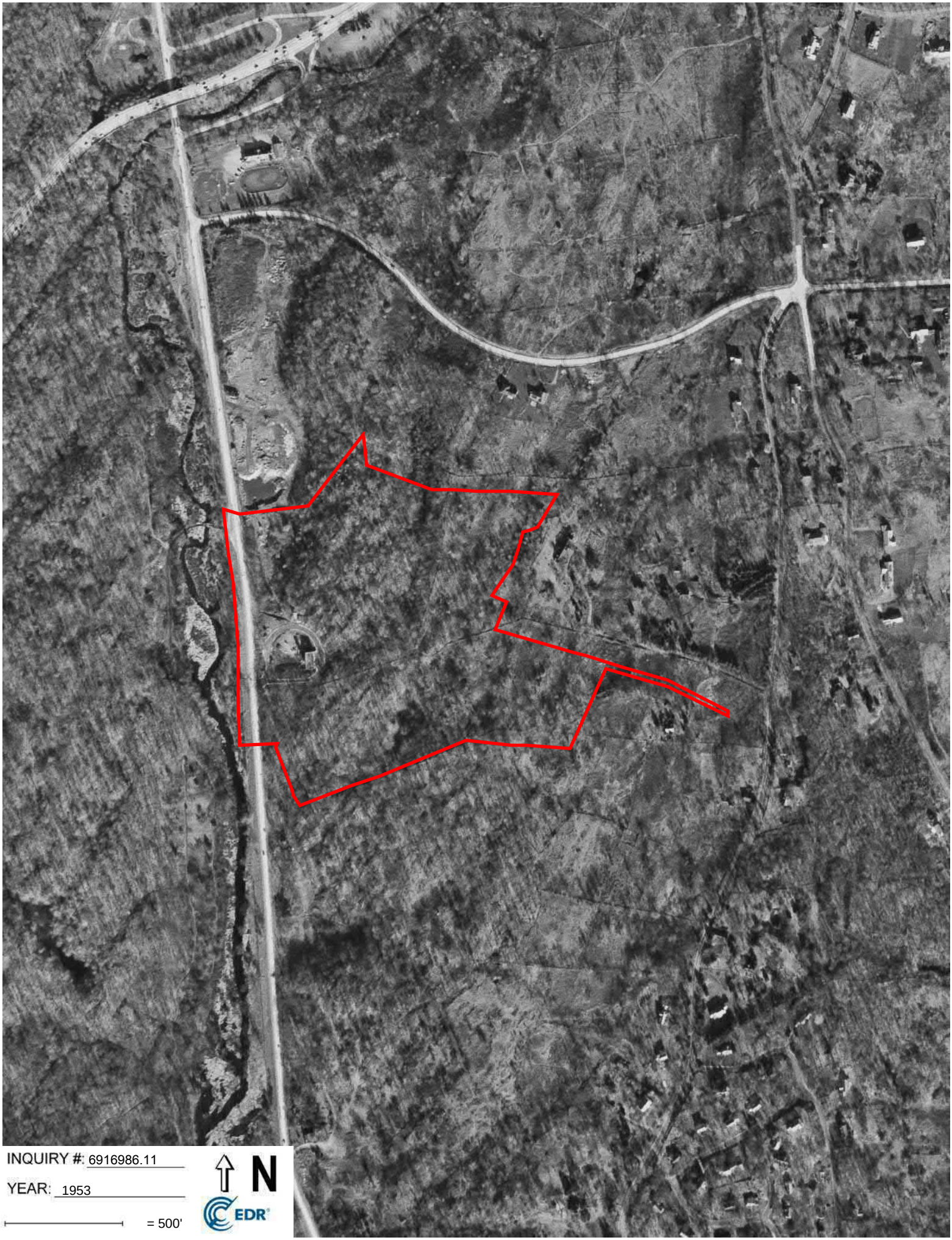
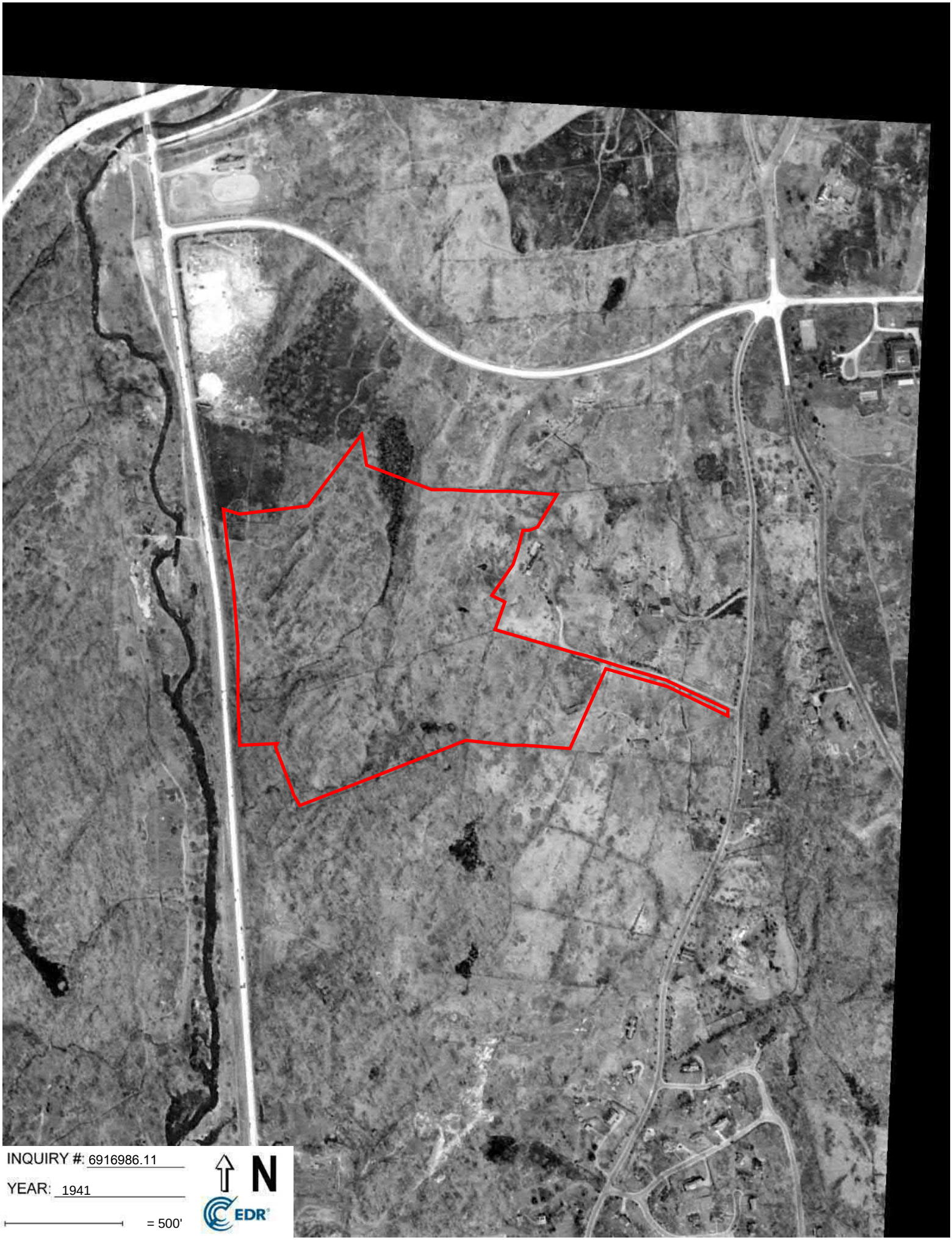
YEAR: 1959
= 500'
N
EDR


INQUIRY #: 6916986.11
YEAR: 1953
= 500'
N
EDR


INQUIRY #: 6916986.11
YEAR: 1941
= 500'
N
EDR

APPENDIX C:

SITE OBSERVATION NOTES AND FIELD MAP

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

SITE OBSERVATIONS
(Confidential and Private)

Job No.: 14064.10 Date: 3/29/2022 Assessor Name: S. Francis

Property Address: 500 Mamaroneck Ave, Harrison, New York

(Provide a sketch of the property at a minimum)

Persons Present/Title/Tenure: S. Francis

Locality: (Circle one)
Urban, Suburban, Rural
Highly, Moderately, Lightly - Developed
Industrial, Commercial, Agricultural, Residential, Wooded, Fallow, Vacant

No. of acres: 34.5 Frontage: _____ Depth: _____ Zoning: _____

GROUND SURFACES:

Fill materials: yes/no/type _____
Debris/Dumping: yes/no/type _____
Spills/Staining: yes/no _____
Stressed Vegetation: yes/no _____
Odors: yes/no _____
Pools of Liquid: yes/no _____
Pits/Ponds/Lagoons: yes/no _____
Wastewater discharge: yes/no _____
Sheen (location): None observed
Trees _____ Landscaping _____ Green Area _____

UTILITIES: Street lights throughout the parking lot

Transformers: number: _____
Location on property: _____
Pole-mounted or pad-mounted
Client owned or utility owned
Suspect PCB-containing equipment: yes / no / unknown

Utility services by:

Natural gas unknown
Electric unknown
Telephone unknown
Sewer unknown — Date of Connection: N/A
Septic unknown — Location on Property: N/A
Water unknown — Date of Connection: N/A
Well unknown — Location on Property: N/A

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

BUILDING: One building onsite. Bergmann did not enter building for this Site Reconnaissance

No. of stories _____ Square Foot _____
Age of Construction _____
Additions _____

Structure: block/poured concrete _____ brick _____
steel _____ wood/stick _____
siding (type) _____
flat / peaked roof _____ condition _____

Current Heating System: _____
Past Heating System: _____
Floor drains: yes / no discharge point _____
Sump pumps: yes / nodischarge point _____
Catch basins: yes / no discharge point _____
Dry wells: yes / no discharge point _____

Current on-site operations: Multi-unit commercial building
Past on-site operations: Multi-unit commercial building

ASBESTOS: Did not conduct asbestos survey for this Phase I ESA

Was asbestos evaluated as part of this assessment? Yes No
Does the age of the building suggest the presence of asbestos? Yes No
Has the building been renovated? Yes No

Floor materials: _____9" x 9" _____12" X 12"
_____Rolled vinyl flooring _____stair treads

Ceiling tiles: _____1' x 1' _____2' x 2'
_____2' x 4' _____Spray-on

Drywall/Plaster _____ TSI _____
Pipe Wrap _____ Boiler TSI _____
Base Cove _____ Transite _____
Roofing _____

Condition of materials: _____

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

WASTES: Located off Study Area

Solid: type Trash only
container 10 YD
collector Finocchio Bros. Inc

Recycling: type Two (2) containers
container and location: 8 YD in south-east corner of southern parking lot
collector Finocchio Bros. Inc

Other: type One (1) empty 55-gallon drum
container and location: in south-east corner of southern parking lot
collector

type
container and location
collector

PERMITS (air, water, etc.):
(copies available)

EQUIPMENT:
Observed one (1) Cooling Tower, Registration Number 10813

ADJOINING PROPERTIES:
(Photo's)
North: Commercial building

South: Commercial building

East: Wooded area and residential properties

West: Mamaroneck Ave and Saxon Woods Park

GENERATORS OR COMPRESSORS (fuel source; spills)

None observed

STORAGE TANKS:

AST/UST's
(Get copies of plans for tank location.)

USTs	Capacity	Product	Location on Property
Tank 1	Observed one (1) Cooling Tower, Registration Number 10813		
Tank 2	Indication of one (1) UST located off Study Area. Located Southeast side of the building		
Tank 3			

Staining, Stressed or Dead Vegetation None observed

Odors Detected None observed

Tanks Registered _____

(Copies of registrations available)

Any tanks removed from the property Unknown

Contractor/date _____

HAZARDOUS MATERIALS: none observed

Stored on-site _____ Used on-site _____

MSDS on-site yes / no _____

List materials (type, size of containers, spills, odors, etc.)

_____

_____

_____

Evidence of Spillage/Leakage:

_____

_____

_____

ADDITIONAL NOTES:

- Observed one (1) active Cooling Tower used for air conditioning located in the middle of the north parking lot
- Shipping/ storage containers observed in the area where the waste container located (south-east corner of southern parking lot). It was unknown at the time of the site reconnaissance, if any material was stored in the containers.
- One (1) empty 55-gallon drum located in the south-east corner of southern parking lot next to shipping and storage containers.

Signature of Assessor: S. Francis

EnterSolar
500 Mamaroneck Ave.

FIELD MAP

250 Feet

N

Town of Harrison, Westchester County, New York

APPENDIX D:

INTERVIEW QUESTIONNAIRE

Phase I Environmental Site Assessment
User Questionnaire

Site Name: 500 Mamaroneck Ave

Site Location: 500 Mamaroneck Ave, Harrison, New York

The following questions are taken from the ASTM 1527-13 Standard Practice for Phase I Environmental Site Assessments and must be answered in order to qualify for the Landowner Liability Protections ("LLPs") under the federal Comprehensive Environmental Response Compensation and Liability Act, otherwise known as "CERCLA" or the Superfund law. ***Note that the completion of this form, by itself, does not automatically qualify one for any of the three LLPs, all of which have additional eligibility criteria. Note further that state and local government agencies will often have their own, independent source of environmental liability not covered by any of the LLPs.***

Please provide an answer to each question or attach pertinent information and identify a number for each attachment.

1. Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

☒ No ☐ Yes (Describe or attach information) Attachment No. _____

_____

_____

2. Are you aware of any Activity and Use Limitations (AULs), such as engineering controls (e.g. engineered caps, foundations, liners, treatment methods, etc. in use to prevent contamination from migrating to surrounding areas), land use restrictions or institutional controls (e.g. administrative measures restricting groundwater use, construction, or property use) that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

☒ No ☐ Yes (Describe or attach information) Attachment No. _____

_____

_____

3. As the user of the Phase I Environmental Site Assessment, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ No ☐ Yes (Describe or attach information) Attachment No. _____

_____

_____

4. a. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

☐ No ☐ Yes (Describe or attach information) Attachment No. _____

The property in question is not changing ownerhsip

4. b. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

☐ No ☐ Yes (Describe or attach information) Attachment No. _____

_____

_____

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User,

(a) Do you know the past uses of the property? ☐ No ☒ Yes (Describe or attach information) Attachment No. _____

All know information has been provided in the site management plan

(b) Do you know of specific chemicals that are present or once were present at the property?

☒ No ☐ Yes (Describe or attach information) Attachment No. _____

Specific chemicals are unknown by us, though this site did host an incineration facility

(c) Do you know of spills or other chemical releases that have taken place at the property?

☐ No ☒ Yes (Describe or attach information) Attachment No. _____

This site did host an incineration facility

(d) Do you know of any environmental cleanups that have taken place at the property?

☐ No ☒ Yes (Describe or attach information) Attachment No. _____

Yes, though we do not have further detail on the nature of the cleanup(s) or mitigation.

6. As the User of the Phase I Environmental Site Assessment, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☐ No ☒ Yes (Describe or attach information) Attachment No. _____

_____There is know contamination on the site, though it is capped. All related to the former incinerator on site.

_____

_____

_____

Signature (Project) Manager

Ben Reisman

Printed Name

04/11/22

Date

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

Interview Form

Site Name 500 Mamaroneck Ave **Bergmann Project #**
Site Location 500 Mamaroneck Ave, Harrison, New York

Interviewee Jeffrey Duarte **Date** **4/7/2022**
Connection to subject property Portfolio Manager, Empire State Realty Trust, Inc.

Asked the interviewee to answer in "good faith and to the extent of their knowledge".

Ownership From: 2007 To: Present

Previous Owners? Bank of Nova Scotia (lender for the developer-owner) or Lowell Schulman

Occupants or operations onsite? Multi-unit commercial building

Site Use Multi-unit commercial building

Site History The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison.

Any evidence or past use of hazardous substances or petroleum products used or stored on the property? none that he is aware of

Pits, Lagoons or Ponds.	**Y** or N	Pools of Liquid	Y or **N**
Stained Soils	Y or **N**	Odors	Y or **N**
Stressed Vegetation	Y or **N**	Stains or Corrosion	Y or **N**
Solid Waste	**Y** or N	PCB's	Y or **N**
Waste Water	Y or **N**	Storage Tanks	Y or **N**
Wells	Y or **N**	Drums	Y or **N**
Septic System	Y or **N**	Drains or Sumps	Y or **N**

Adjoining property uses? (gas station… (past uses) Commerical buildings to the north and south. Residential homes to the east and park to the west

Haz Substances or Petrol potential to migrate onto the subject property? none that he is aware of

Materials/Drums buried onsite? none that he is aware of

Previous use of the property? The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison.

Environmental Cleanup Liens? none that he is aware of

Any known spills/emergency response? Spill occurred in February 2022 from broken line on boiler. Spill was professionally cleaned up and closed out by DEC

Misc:

One (1) Oil UST located about 30ft away from building. 20,000 gallon oil tank used for boiler.
Annually pressure tested

APPENDIX E:

SANBORN FIRE INSURANCE MAP SEARCH

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6916986.3

April 05, 2022

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/05/22

Site Name:	Client Name:
500 Mamaroneck Ave	Bergmann Associates
500 Mamaroneck Ave	280 East Broad Street, Suite 200
Harrison, NY 10528	Rochester, NY 14604
EDR Inquiry # 6916986.3	Contact: Skylar Francis

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Bergmann Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 6C60-49B0-82F7

PO # 14064.10

Project 500 Mamaroneck Ave

Maps Provided:

2003	1942
1996	1934
1995	1919
1994	
1993	
1992	
1990	
1950	

Sanborn® Library search results

Certification #: 6C60-49B0-82F7

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

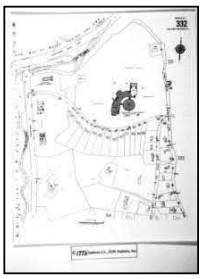
2003 Source Sheets

Volume 1, Sheet 314
2003

Volume 1, Sheet 332
2003

1996 Source Sheets

Volume 1, Sheet 314
1996



Volume 1, Sheet 332
1996

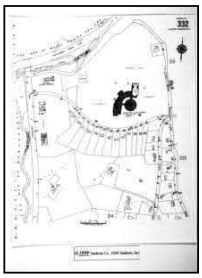
1995 Source Sheets

Volume 1, Sheet 314
1995

Volume 1, Sheet 332
1995

1994 Source Sheets

Volume 1, Sheet 314
1994



Volume 1, Sheet 332
1994

Sanborn Sheet Key

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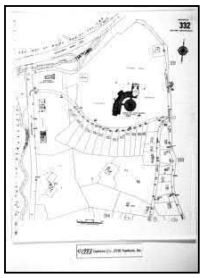
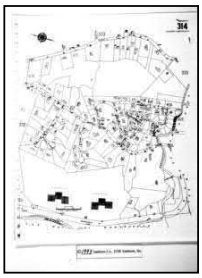
1993 Source Sheets



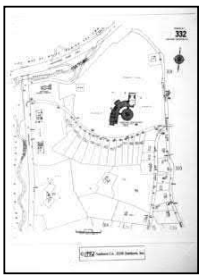
Volume 1, Sheet 332
1993



Volume 1, Sheet 314
1993

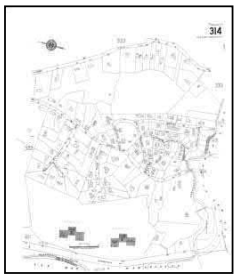
1992 Source Sheets

Volume 1, Sheet 314
1992



Volume 1, Sheet 332
1992

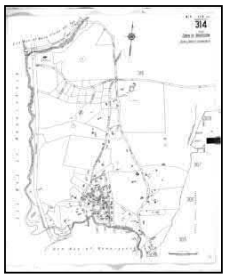
1990 Source Sheets



Volume 1, Sheet 314
1990

Volume 1, Sheet 332
1990

1950 Source Sheets



Volume 1, Sheet 314
1950

Volume 1, Sheet 61
1950

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1942 Source Sheets

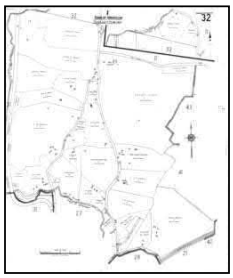
Volume 1, Sheet 40
1942

1934 Source Sheets

Volume 1, Sheet 314
1934

Volume 1, Sheet 61
1934

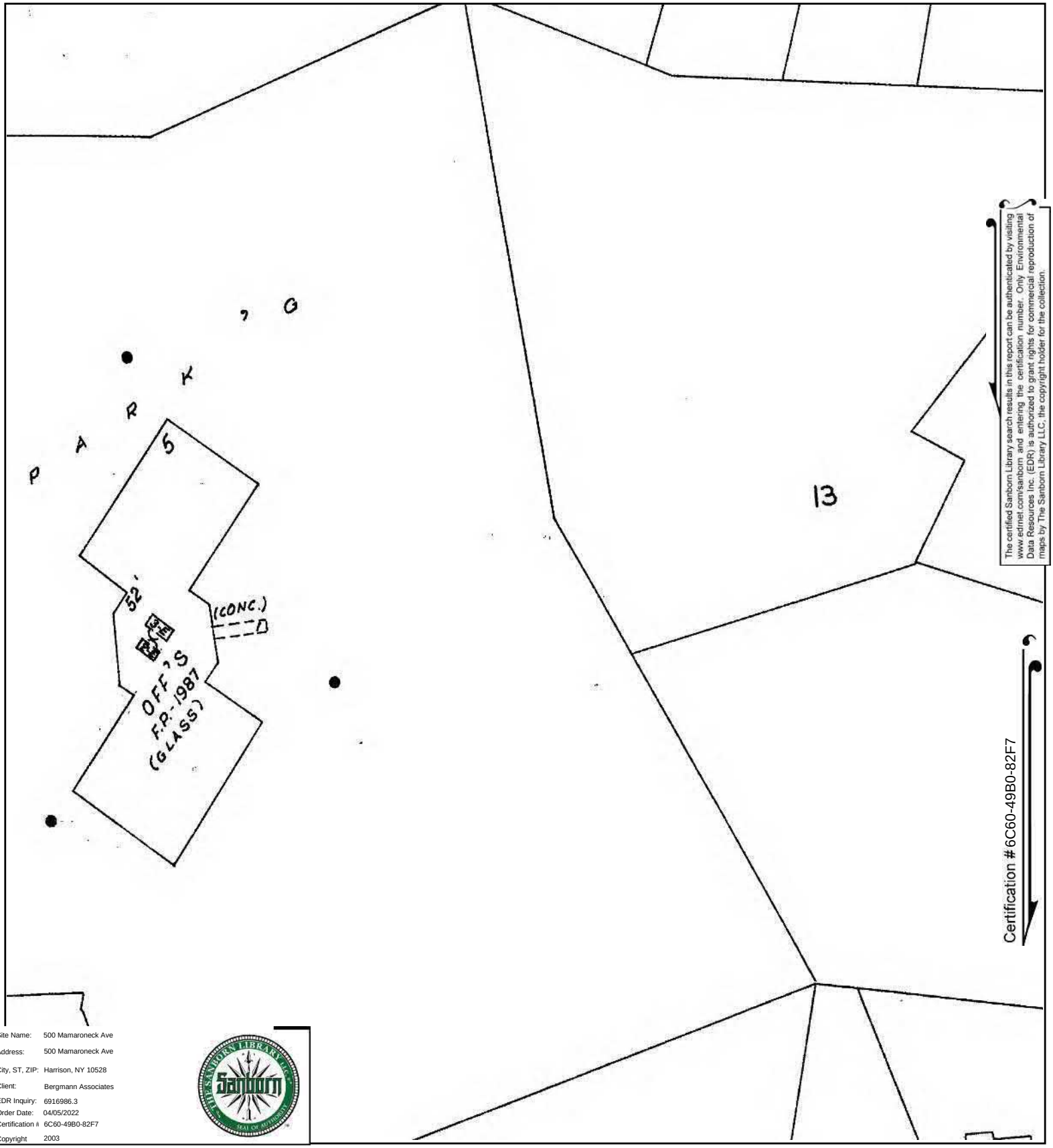
1919 Source Sheets



Volume 1, Sheet 32
1919

Certified Sanborn® Map

2003



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City, ST, ZIP:	Harrison, NY 10528
Client:	Bergmann Associates
EDR Inquiry:	6916986.3
Order Date:	04/05/2022
Certification #	6C60-49B0-82F7
Copyright	2003

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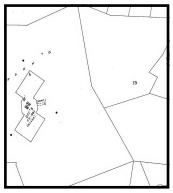
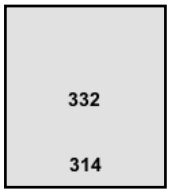


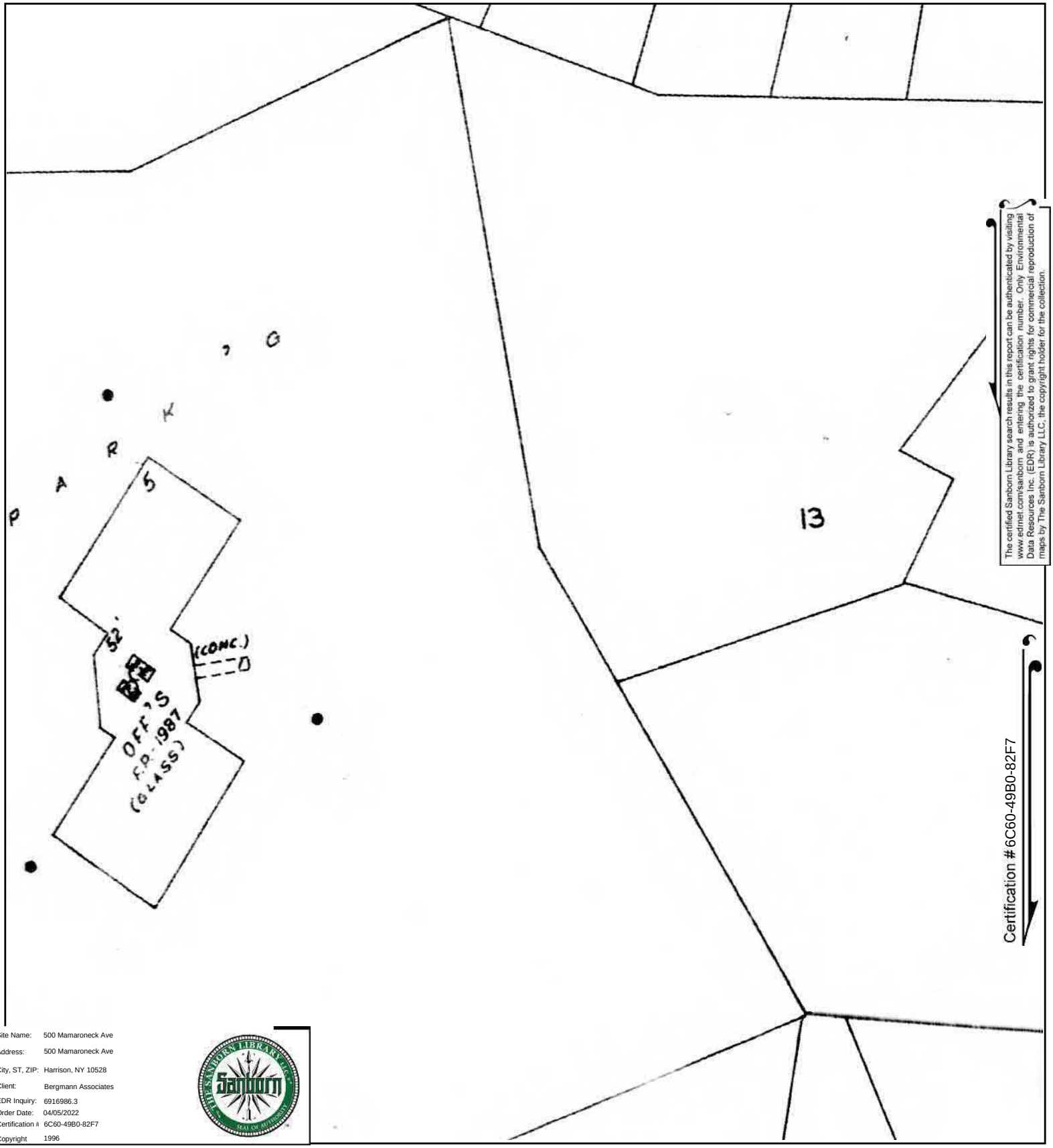


Volume 1, Sheet 332
Volume 1, Sheet 314

N

Certified Sanborn® Map

1996



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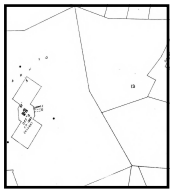

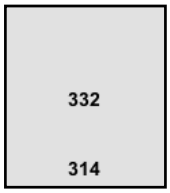

Volume 1, Sheet 332
Volume 1, Sheet 314

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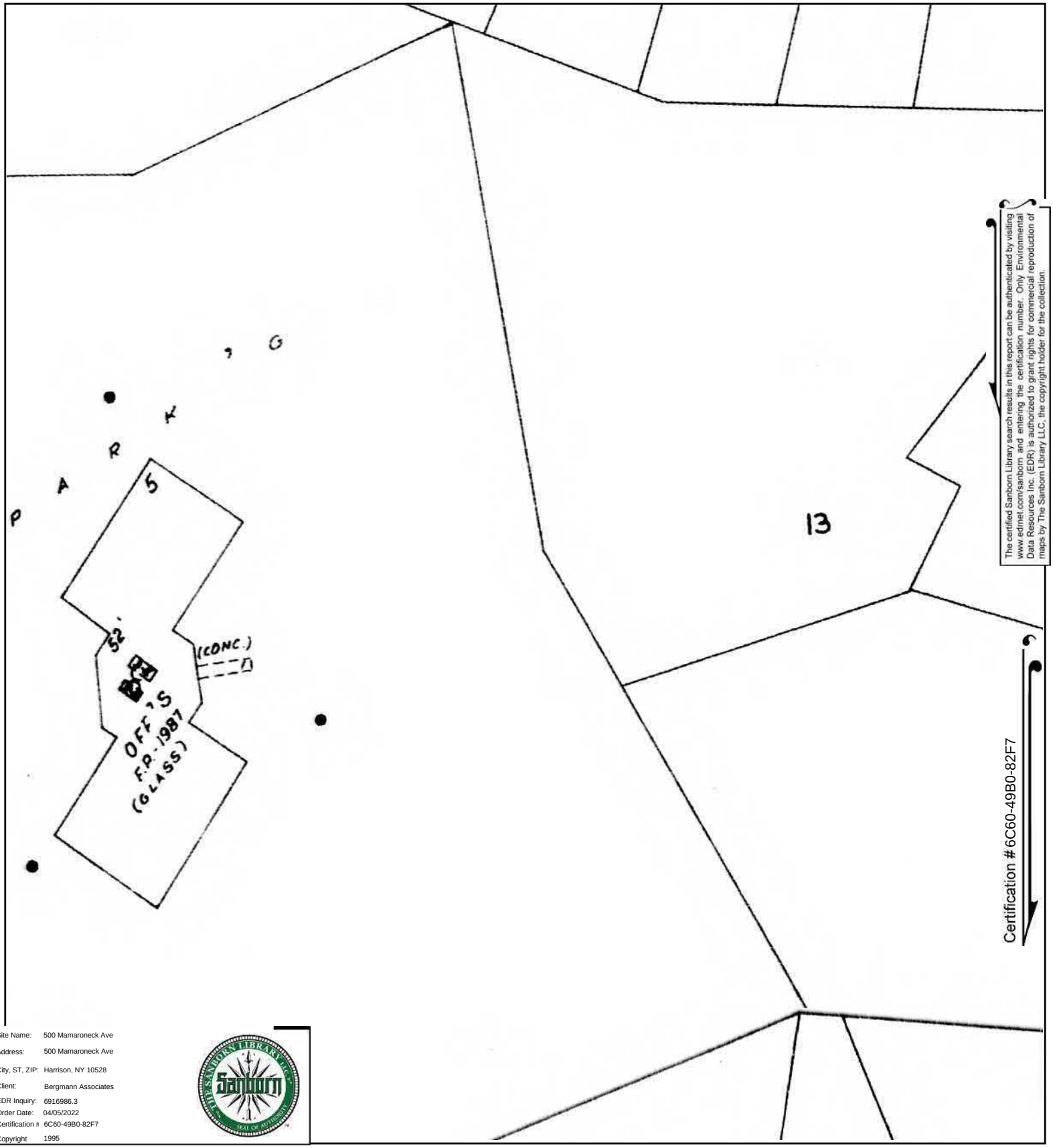
Certified Sanborn® Map

1995



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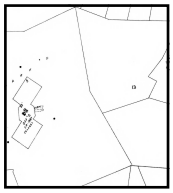

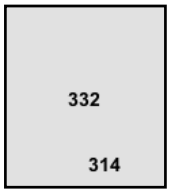

Volume 1, Sheet 332
Volume 1, Sheet 314

N

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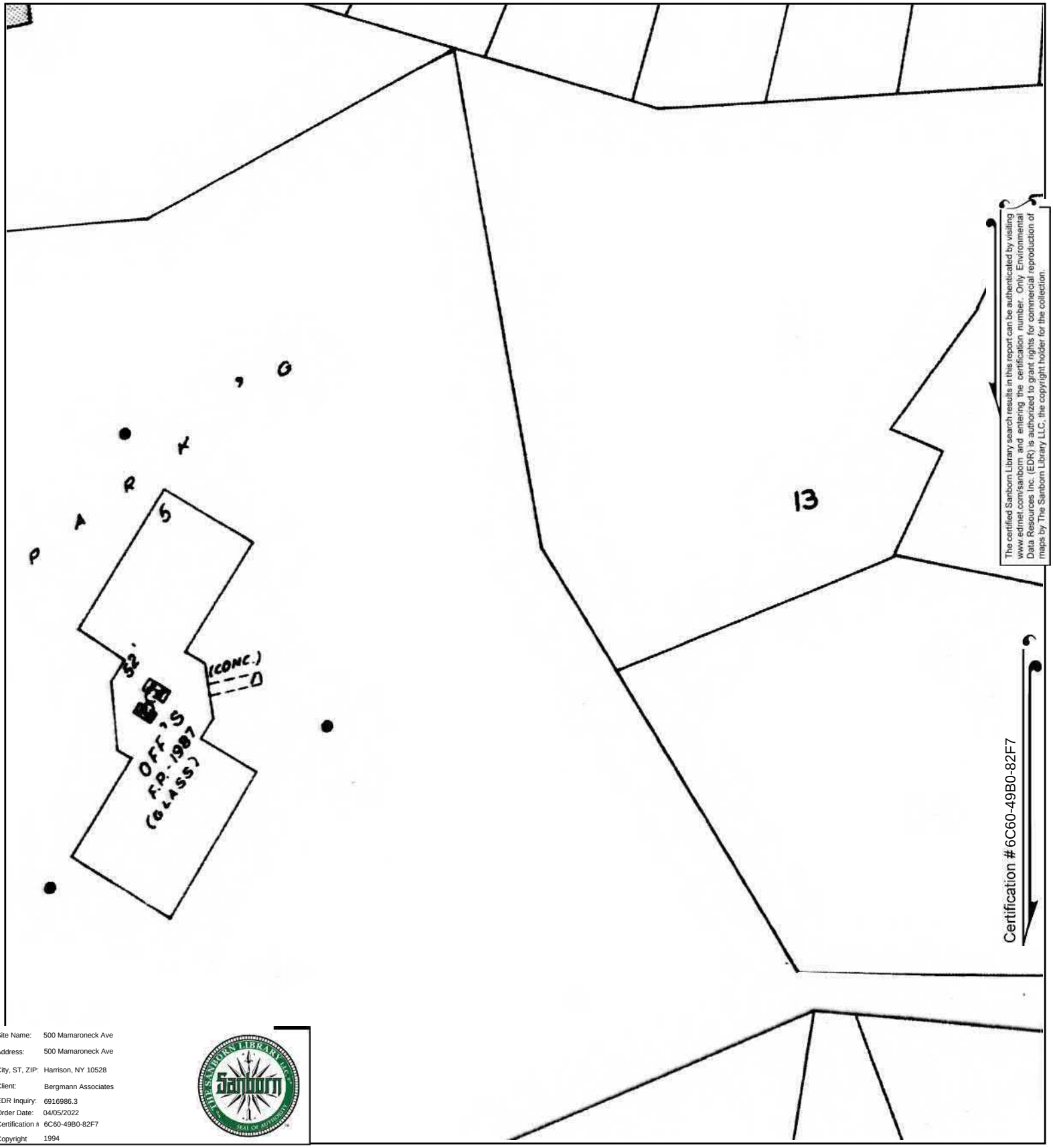
1994



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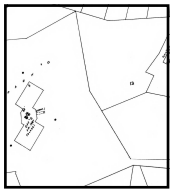
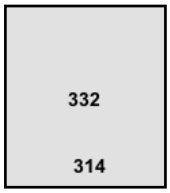




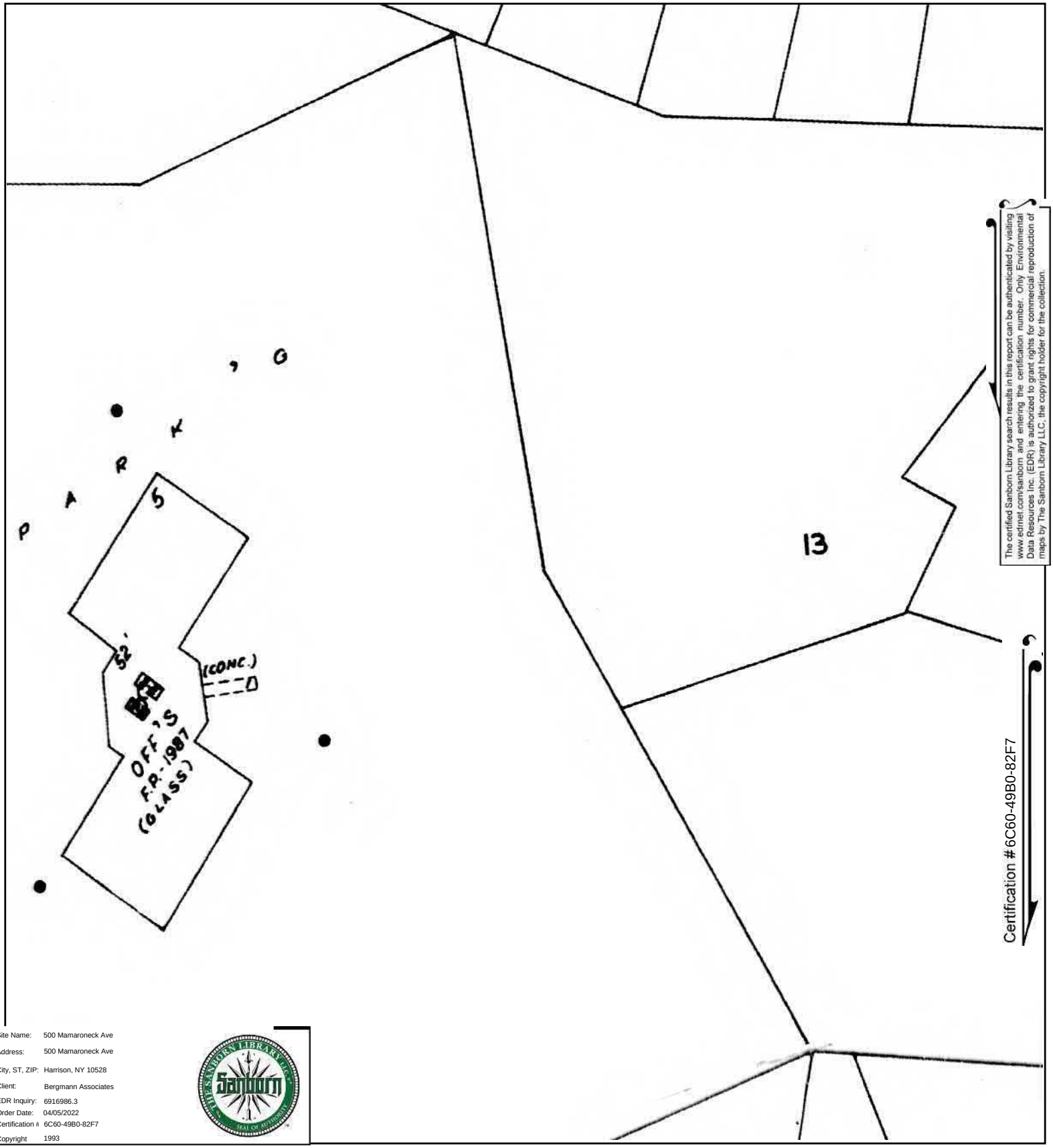
Volume 1, Sheet 332
Volume 1, Sheet 314

0 Feet 150 300 600

N

Certified Sanborn® Map

1993



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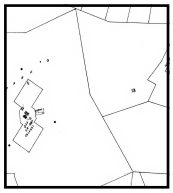

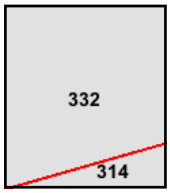

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Volume 1, Sheet 332

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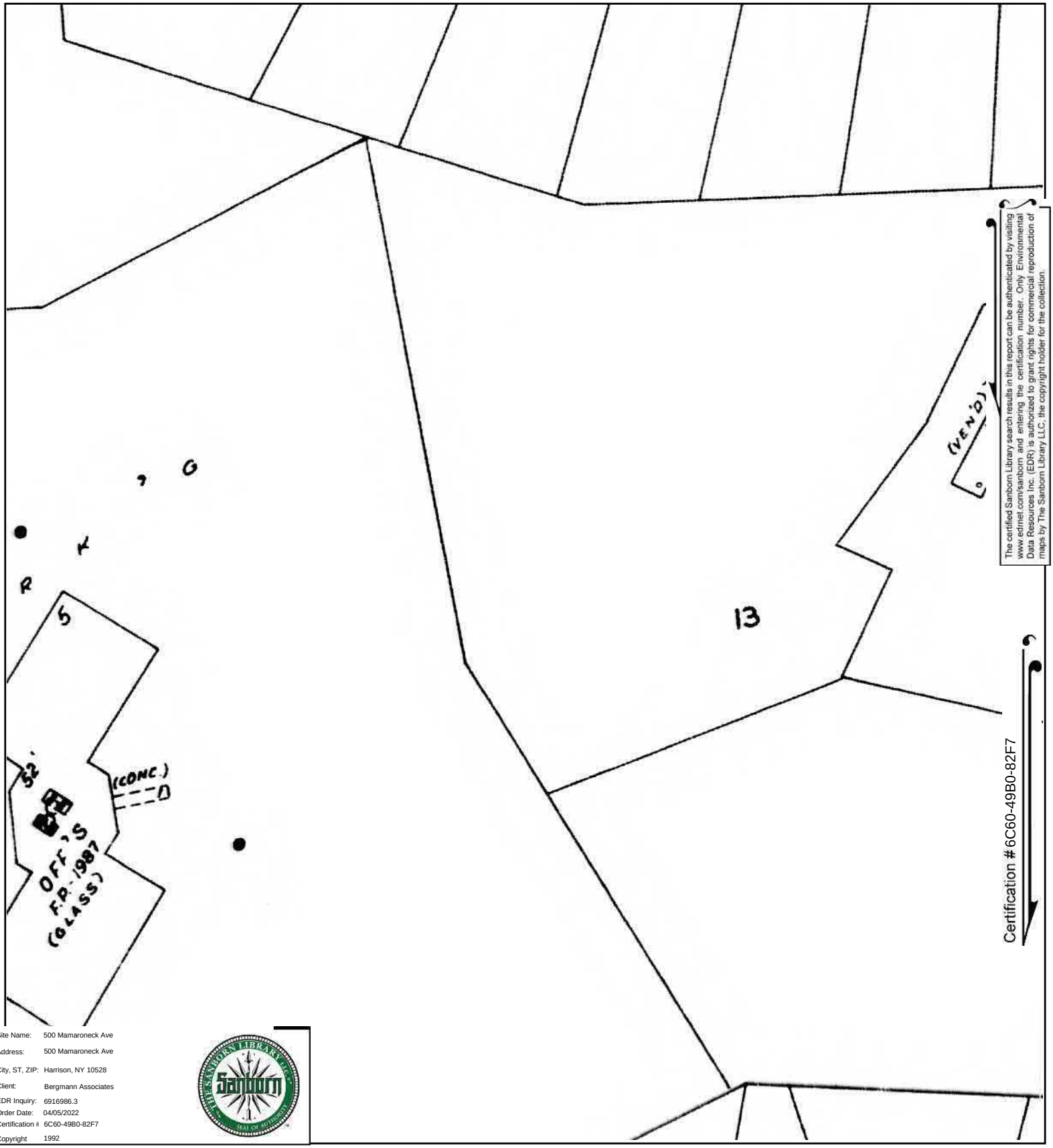
1992



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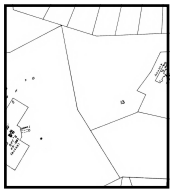
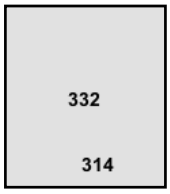


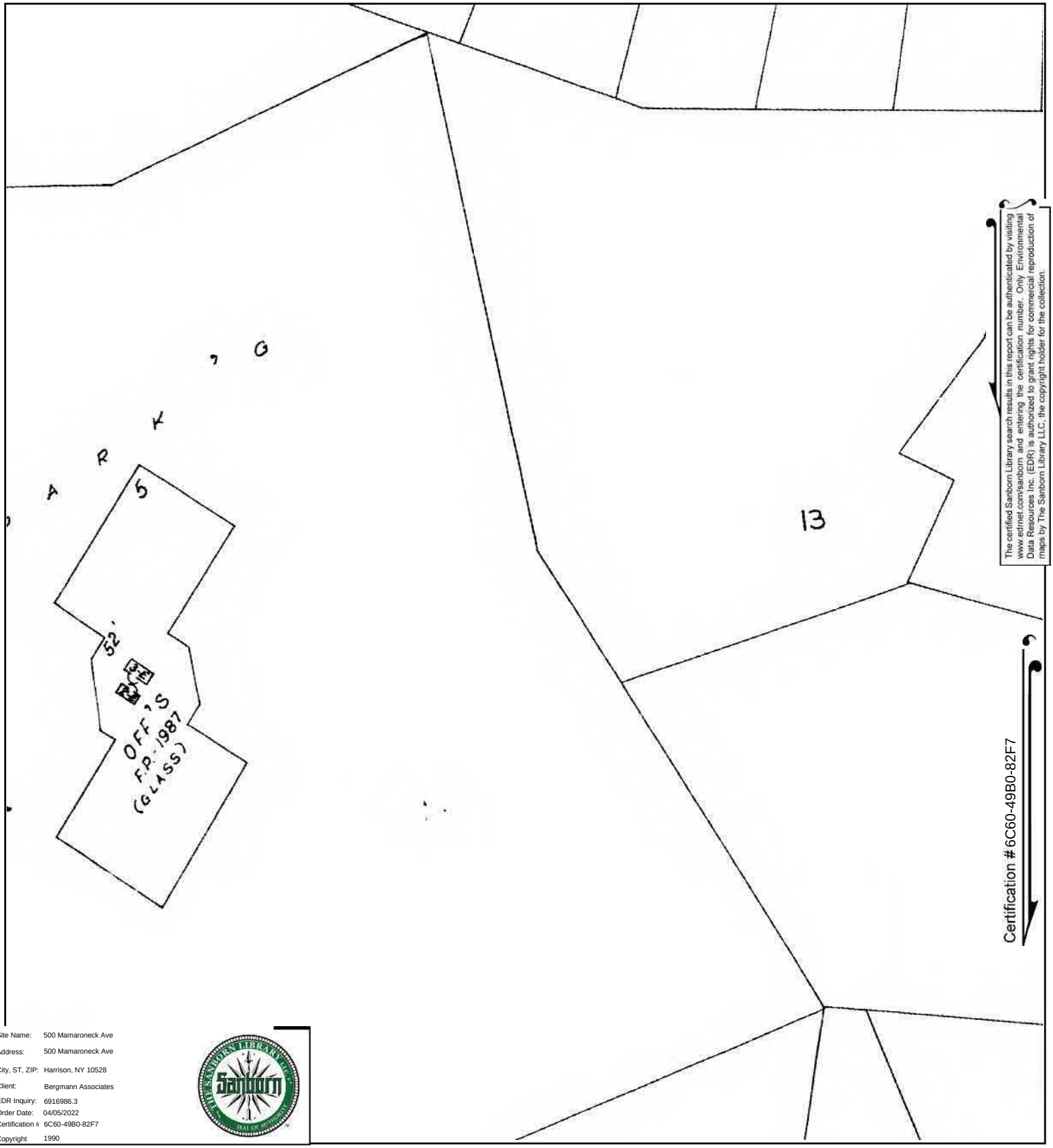


Volume 1, Sheet 332
Volume 1, Sheet 314

N

Certified Sanborn® Map

1990



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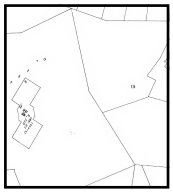
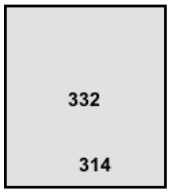




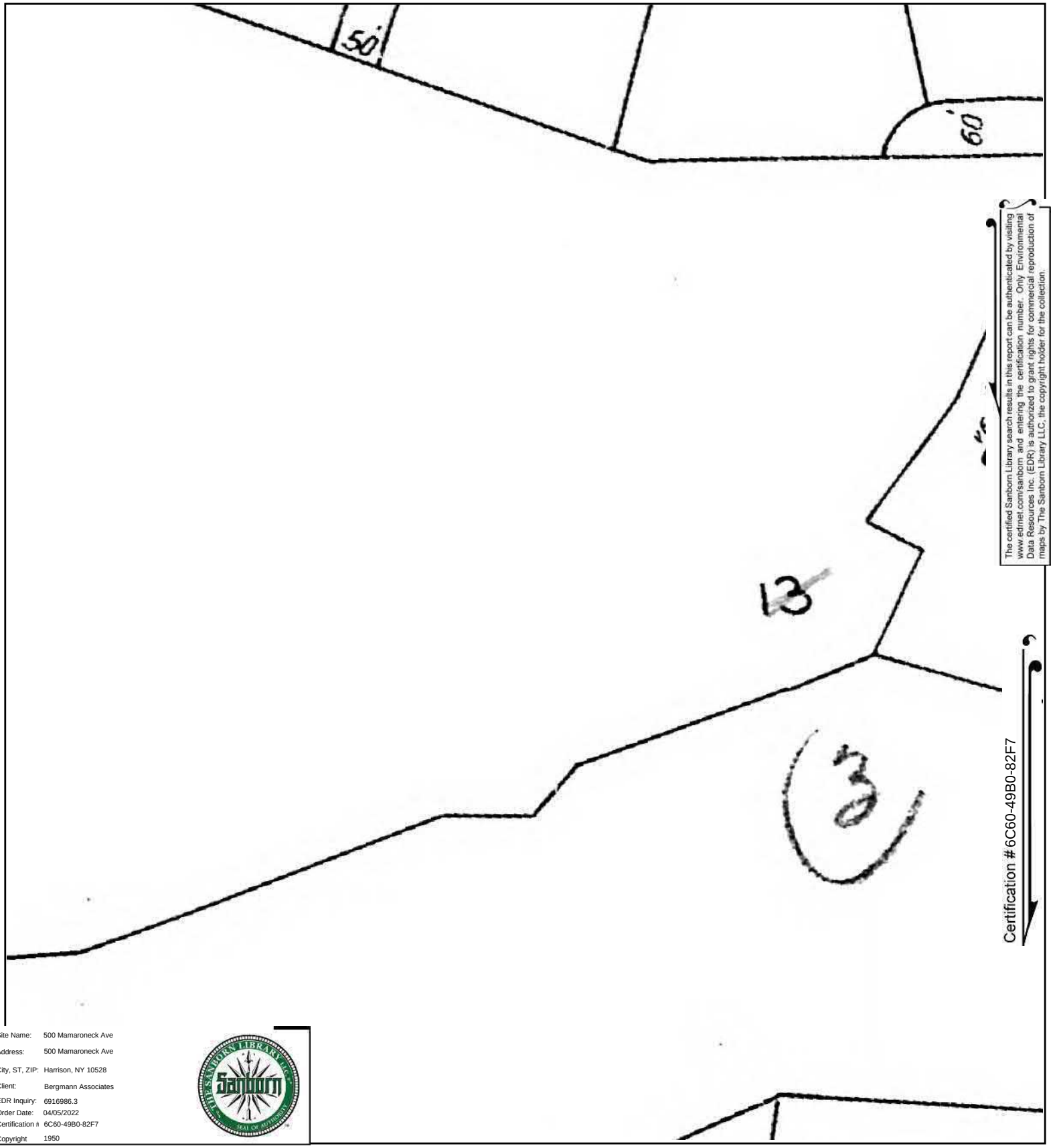
Volume 1, Sheet 332
Volume 1, Sheet 314

0 Feet 150 300 600

N

Certified Sanborn® Map

1950



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Certification #	6C60-49B0-82F7
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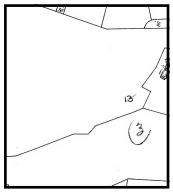
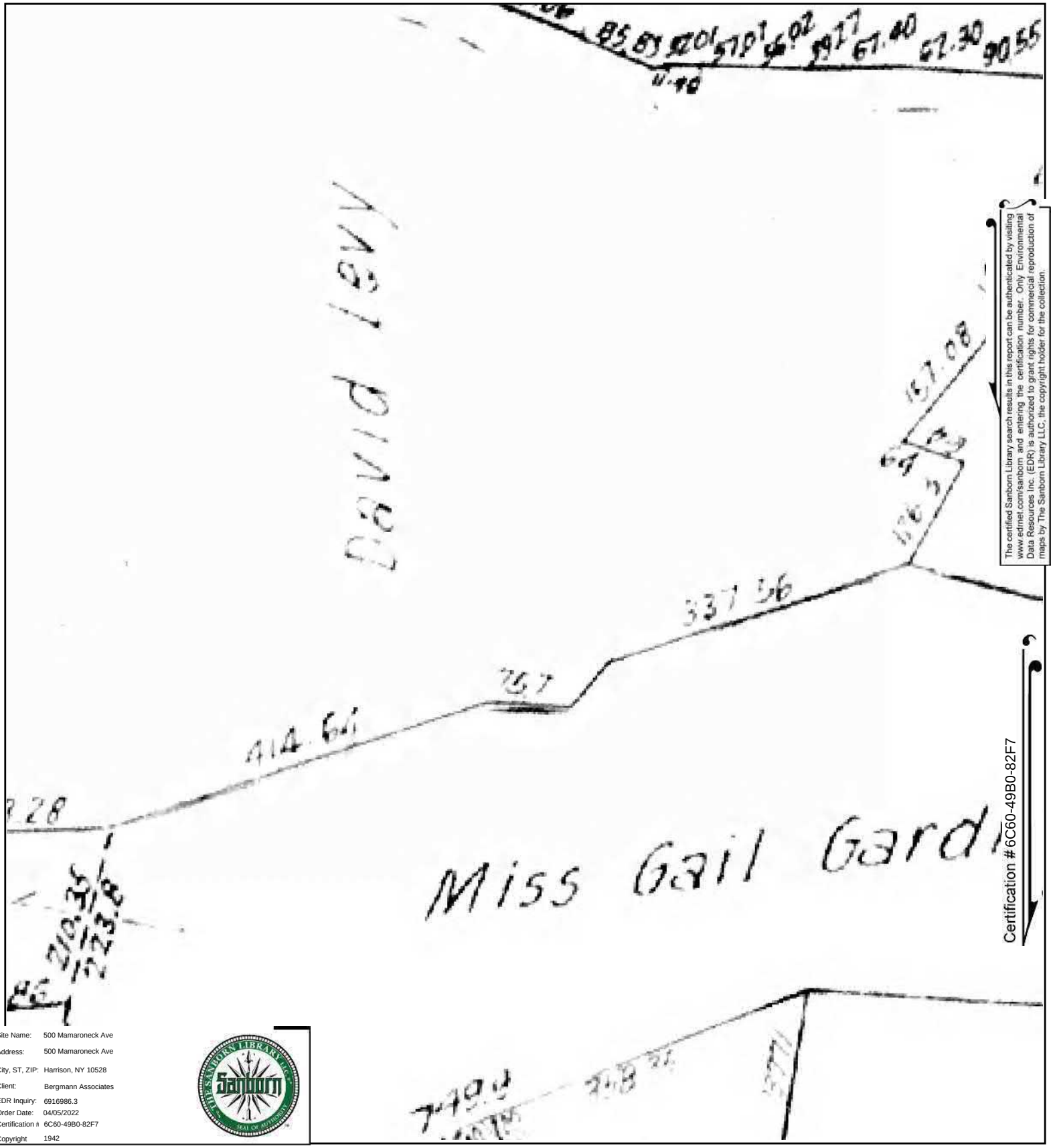


61 314

Volume 1, Sheet 61
Volume 1, Sheet 314

N



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Certification #	6C60-49B0-82F7
Copyright	1942

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0 Feet 150 300 600

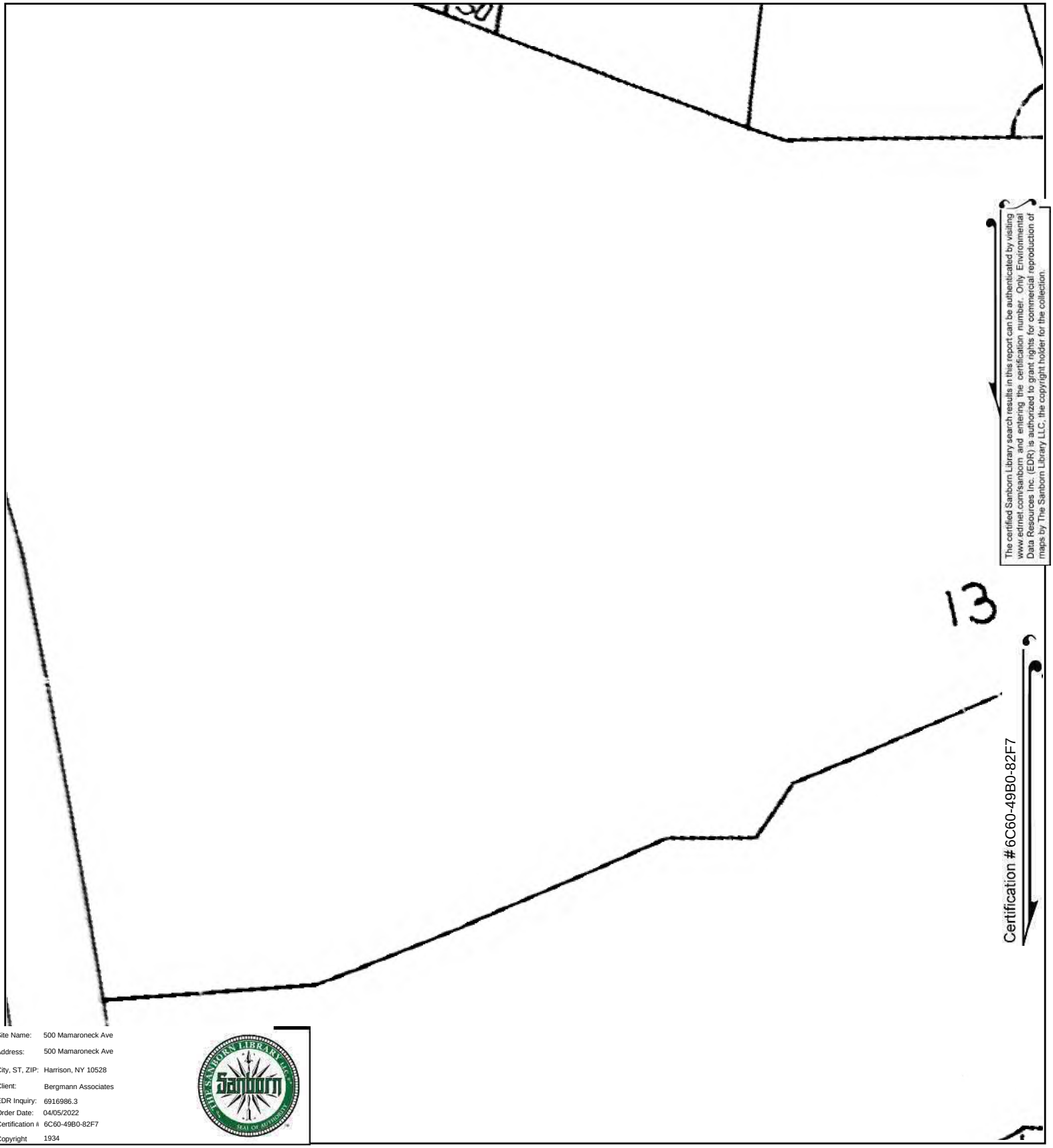
40

Volume 1, Sheet 40

N

Certified Sanborn® Map

1934



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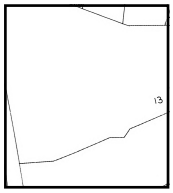
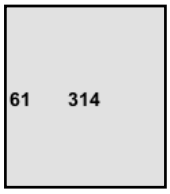
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



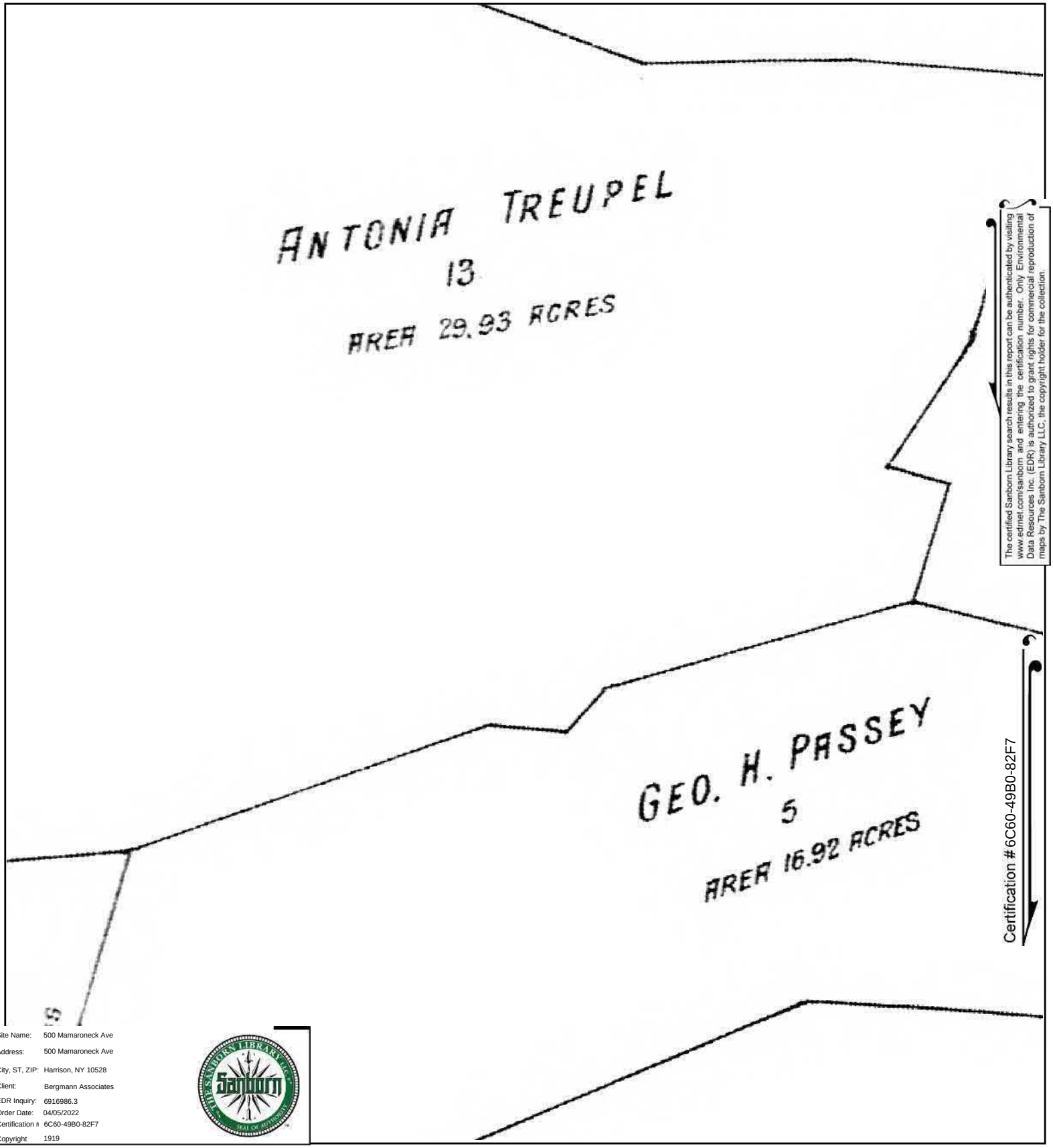


Volume 1, Sheet 61
Volume 1, Sheet 314

N

Certified Sanborn® Map

1919



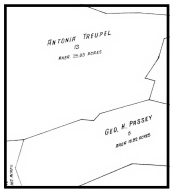
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

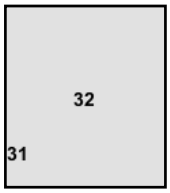
Certification # 6C60-49B0-82F7

Site Name:	500 Mamaroneck Ave
Address:	500 Mamaroneck Ave
City, ST, ZIP:	Harrison, NY 10528
Client:	Bergmann Associates
EDR Inquiry:	6916986.3
Order Date:	04/05/2022
Certification #	6C60-49B0-82F7
Copyright	1919

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600





Volume 1, Sheet 32

N

APPENDIX F:

FOIL REQUESTS AND RESPONSES

Francis, Skylar

From: noreply@its.ny.gov
Sent: Monday, March 28, 2022 1:32 PM
To: Francis, Skylar
Subject: FOIL Request Confirmation from Open FOIL NY

[Caution] External Origin. Do not click links/open attachments unless you know the content is safe.

Thank you for submitting your FOIL request through Open FOIL NY.

Here is your Open FOIL NY confirmation information for future reference:

FRANCIS_DOH_20220328133132571

FRANCIS_DEC_20220328133132571

INFORMATION SUBMITTED:

Records Requested From	Department of Health Department of Environmental Conservation
Short Title	500 Mamaroneck Ave
Description	Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Avenue Town of Harrison, Westchester County, New York 10528 Owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.-8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require. Please let us know if

	you can accommodate this request in an expedient manner. Please email if you have any questions. Very truly yours, Bergmann SKYLAR J. FRANCIS Assistant Project Manager sfrancis@bergmannpc.com
Uploaded Files	
FOIL Response Format	Email
If fees apply, please contact me if costs will be greater than	$10

Your FOIL request has been forwarded to the organization(s) you selected, and the respective Records Access Officer will contact you directly for further processing of your request. Please allow up to five business days for such communication(s). For your convenience, here is additional contact information:

Department of Health
Corning Tower
Room 2364
Albany, NY 12237-0044

Department of Environmental Conservation
625 Broadway

Albany, NY 12233-1500

Francis, Skylar

From: New York DEC Support <newyorkdec@mycusthelp.net>
Sent: Monday, March 28, 2022 1:57 PM
To: Francis, Skylar
Subject: FOIL Request :: W098687-032822

[Caution] External Origin. Do not click links/open attachments unless you know the content is safe.

Dear Skylar:

Thank you for your Freedom of Information Law (FOIL) request. Your request has been received and is being processed. Your request was received in this office on 3/28/2022 and given the reference number FOIL #W098687-032822 for tracking purposes. You may expect the Department's response to your request no later than **4/25/2022**.

Record Requested: **500 Mamaroneck Ave Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Avenue Town of Harrison, Westchester County, New York 10528 Owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.-8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require. Please let us know if you can accommodate this request in an expedient manner. Please email if you have any questions. Very truly yours, Bergmann SKYLAR J. FRANCIS Assistant Project Manager sfrancis@bergmannpc.com**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx

New York State Department of Environmental Conservation, Record Access Office

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Track the issue status and respond at: https://newyorkdec.mycusthelp.com/webapp//_rs/RequestEdit.aspx?rid=98687

CUDDY & FEDER LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300
FACSIMILE (914) 761-5372/6405
www.cuddyfeder.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
FACSIMILE (212) 944-2843

300 WESTAGE BUSINESS CENTER
FISHKILL, NEW YORK 12524
(845) 896-2229
FACSIMILE (845) 896-3672

NORWALK, CONNECTICUT

NEIL ALEXANDER (also CT)
THOMAS R. BEIRNE (also DC)
STEPHANIE BORTNYK
JOSEPH P. CARLUCCI
LUCIA CHIOCCHIO (also CT)
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
CINDY M. FOX (also NJ & DC)
ANTHONY B. GIOFFRE, III (also CT)
JOSHUA J. GRAUER
KENNETH F. JURIST
MICHAEL KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

EON S. NICHOLS (also CT)
WILLIAM S. NULL
ELISABETH N. RADOW
PAMELA RICHARDSON (also NJ)
NEIL T. RIMSKY
RUTH E. ROTH
ANDREW SCHRIEVER (also MA)
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)

Of Counsel
ANDREW A. GLICKSON (also CT)
KAREN G. GRANIK
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER

TO: Mark Gouch

FROM: Robert L. Osar

MAIN OFFICE NO.

TELECOPIER NO. 631-756-8901

DATE: 07/13/06 **PAGES:** 18 (Including Cover) **CLIENT:** 381. **MATTER:** 22

MESSAGE:
Mark:,
As requested by Cathy Weber, please find attached the deed restriction for 500 Mamaroneck Avenue for your site inspection with DEC. This is the document as filed with the Westchester COuty Clerk.

IMPORTANT NOTICE: The accompanying fax transmission is intended to be viewed and read only by the individual or entity named above. If you are not the intended recipient so named, you are prohibited from reading this transmission. You are also notified that any dissemination, distribution, or copying of this transmission is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original transmission to us by the U.S. Postal Service. Thank you.

OPERATOR: Sharon (914) 761-1300 Ext. 237

IF THERE ARE ANY PROBLEMS, PLEASE NOTIFY OPERATOR IMMEDIATELY.

C&F: 318877.1

DP-P-76
P Har

DECLARATION OF COVENANTS AND RESTRICTIONS

THIS DECLARATION OF COVENANTS AND RESTRICTIONS (hereinafter sometimes referred to as this "Declaration") made this ninth day of August, 2005 by **500 MAMARONECK AVENUE L.P.**, a Delaware limited partnership, having its principal place of business at c/o W&M Properties of New York, L.L.C., 60 East 42nd Street, 26th Floor, New York, New York 10165 and **VIVIANE PARIS, LLC**, a New York limited liability company, having its principal place of business at 475 Park Avenue, New York 10022 (hereinafter collectively referred to as "Declarant").

WITNESSETH:

WHEREAS, Declarant is the owner of those certain parcels of real property, commonly known as 500 Mamaroneck Avenue, Harrison, New York 10528, identified on the Tax Map for the Town/Village of Harrison as Block 482, Lots 8-26 and 26.1, more particularly described in Appendix A attached hereto (the "Property") which is the subject of a Voluntary Cleanup Agreement for Site Number V-00213-3 executed by 500 Mamaroneck Avenue Associates ("Volunteer") and the New York State Department of Environmental Conservation (the "Department") as part of its Voluntary Cleanup Program, set forth in Agreement, Index Number, W3-0851-99-05; (the "Agreement") and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Property and such remedy requires that the Property be subject to restrictive covenants; and

WHEREAS, Declarant agrees to impose certain restrictions on the Property for the benefit of the New York State Department of Environmental Conservation and its successors and assigns.

NOW, THEREFORE, Declarant, for itself and its successors and assigns, for good and valuable consideration received by Declarant, does hereby subject the

Property to the covenants and restrictions set forth herein, all of which shall run with the land and be binding upon all parties now or in the future owning or having any proprietary interest in the Property or any part thereof, and shall provide that the owner, and its successors and assigns, consents to enforcement by the Department of the prohibitions and restrictions that the Agreement requires to be recorded, and hereby covenants not to contest the authority of the Department to seek enforcement and further covenants that:

First: The Property subject to this Declaration of Covenants and Restrictions, is as shown on a map attached to this declaration as Appendix "B" and made a part hereof, and is specifically described on Appendix "A".

Second: Unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency" is first obtained, to the extent required in the RAWP, there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property, which threatens the integrity of the soil cap, or which results in unacceptable human exposure to contaminated soils.

Third: The Property may be used only for commercial office space, uses incidental and ancillary thereto related parking and any use allowable under the Town of Harrison, County of Westchester, Business Districts, Table of Use Regulations (Amended 12/20/94), Use Classification "SB-1," a copy of which is attached hereto as Appendix C. Use of the Property solely as a day care, child care, or medical care facility (other than for out-patient care) shall not be permitted without the written waiver of such prohibition by the Relevant Agency.

Fourth: The engineering controls and the replacements thereof, currently in place on the Property, consisting of buildings, roadways, walkways, vegetative and soil cover, fountains, parking lots, and rip rap shown and delineated on that certain site maps shown as Figures 1-2, 3-2 and 3-3 to the Remedial Action Work Plan (the "Site

Maps") for this site prepared by ERM-Northeast, dated January 2005 ("RAWP"), and filed with the DEC with respect to the Agreement which RAWP is also maintained at the offices of Declarant, shall remain in the locations set forth on the Site Map and be maintained in a good state of repair to allow them to be used as a cover or a cap for the site as further delineated and described in the RAWP. Nothing herein shall be construed to prevent or prohibit the replacement or reconstruction of any such buildings, roadways, walkways, fountains, parking lots and vegetative and soil cover substantially as shown on the Site Map, subject to the provisions of Section Second above and Sections Sixth and Seventh below.

Fifth: The groundwater on the site is not to be used for potable purposes unless the Relevant Agency provides express written permission to allow the groundwater to be used for a specific potable purpose without appropriate treatment, except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with its current use.

Sixth: If work is performed on the Property which requires or consists of disrupting, breaking through, or excavating into, on, or under any of the engineering controls set forth on the Site Maps, to the extent set forth in the RAWP, means and procedures to protect the health and safety of any workers performing such intrusive work shall be implemented.

Seventh: To the extent required in the RAWP, before commencing any work, the owner and/or operator of the Property must notify the Relevant Agency. Any work shall be performed in accordance with the terms and provisions of the Site Management Plan, as included in Appendix A of the RAWP, if so required thereby.

Eighth: The owner and/or operator of the property must file an annual certification to DEC that the engineering controls set forth on the Site Maps are in place and effective as per the requirements set forth in the Site Management Plan, as included in Appendix A of the RAWP.

Ninth: The terms and provisions of this Declaration of Covenants and Restrictions are to be construed, together with the RAWP, including the Site Management Plan, narrowly and no restriction or limitation not specifically set forth herein or in the RAWP, including the Site Management Plan, shall be inferred from either of them.

Tenth: The covenants and restrictions set forth in this Declaration shall run with and bind the land for the benefit of the Relevant Agency only and are enforceable by the Relevant Agency only.

Eleventh: Any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

IN WITNESS WHEREOF, Declarant has duly executed this Declaration as of the day and year first above written.

500 MAMARONECK AVENUE L.P., a Delaware limited partnership

By: Malkin 500 Mamaroneck L.L.C., a New York limited liability company, its general partner

By: _____
Peter L. Malkin
Managing Member

By _____
Anthony E. Malkin
Managing Member

VIVIANE PARIS, LLC, a New York limited liability company

By: First-Half Realty Co., Inc., a New York corporation, its sole and Managing Member

By: _____
Viviane Paris, President

State of New York)
County of New York)ss.:

On the 30th day of August in the year 2005 before me, the undersigned, personally appeared Peter L. Malkin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Jack K. Feirman
Notary Public

JACK K. FEIRMAN
Notary Public, State of New York
No. 30-6257560
Certificate Filed in Nassau County
Commission Expires June 30, 2006

State of New York)
County of New York)ss.:

On the 30th day of August in the year 2005 before me, the undersigned, personally appeared Anthony E. Malkin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Jack K. Feirman
Notary Public

JACK K. FEIRMAN
Notary Public, State of New York
No. 30-6257560
Certificate Filed in Nassau County
Commission Expires June 30, 2006

State of New York)
County of New York)ss.:

On the 17 day of August in the year 2005 before me, the undersigned, personally appeared Viviane Paris, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public
RICHARD H. MAIDMAN
Notary Public, State of New York
Qualified in Nassau County
No. 4621974
Term Expires March 30, 2006

Tax Map Designation:
Block: 482
Lots: 8-26 and 26.1
Town: Harrison

Record and Return To:
Rosalie K. Rusinko, Esq.
New York State Department of
Environmental Conservation
Division of Environmental Enforcement
200 White Plains Rd., 5th Floor
Tarrytown, New York 10591

C&F: 303388.5

APPENDIX "A"

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PARCEL A: ALL that certain plot, piece, or parcel of land, situate, lying, and being in the Village and Town of Harrison, County of Westchester and State of New York, being more particularly bounded and described as follows:
Beginning at a point on the easterly side of Mamaroneck Avenue, distant 1130.11 feet southerly as measured along the same, from its intersection with the southerly side of Union Avenue;
Thence along the said easterly side of Mamaroneck Avenue,
South 3 degrees 08' 20" West, 300.00 feet to lands now or formerly of the Town of Harrison; thence along said lands,
South 61 degrees 59' 42" East, 687.42 feet to a point; thence
North 3 degrees 08' 15" East, 821.23 feet to a point; thence
South 48 degrees 08' 15" West, 372.87 feet to a point; thence
North 86 degrees 51' 45" West, 291.97 feet to a point; thence
North 61 degrees 59' 42" West, 74.98 feet to the point or place of beginning.

Subject to and together with reciprocal easements of ingress and egress recorded on December 26, 1978 in Liber 7526 cp 785 in the Westthester County Clerk's Office, Division of Land Records.

CTNLEGAL

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PARCEL B:
All that certain tract, piece, parcel of land, situate, lying and being in the Village and Town of Harrison, Westchester County and State of New York, bounded and described as follows:
Beginning at a point formed by the intersection of the southerly side of Union Avenue and the easterly side of Mamaroneck Avenue and in a southerly direction;
South 3 degrees 08' 15" West, 755.26 feet
South 3 degrees 08' 20" West, 674.85 feet to the Point or place of beginning, the following courses and distances:
South 61 degrees 59' 42" East, 687.42 feet;
North 3 degrees 08' 15" East, 695.8 feet;
South 58 degrees 32' 00" East, 76.82 feet;
South 58 degrees 02' 00" East, 132.06 feet;
South 58 degrees 22' 20" East, 85.83 feet;
South 59 degrees 51' 45" East, 11.46 feet;
South 77 degrees 09' 30" East, 32.01 feet;
South 78 degrees 59' 50" East, 57.07 feet;
South 77 degrees 37' 10" East, 56.02 feet;
South 82 degrees 48' 45" East, 39.27 feet;
South 77 degrees 27' 50" East, 67.40 feet;
South 75 degrees 22' 15" East, 62.30 feet;
South 74 degrees 11' 00" East, 90.55 feet;
South 75 degrees 07' 20" East, 114.33 feet, to land now or late of Thomas M. Butler and wife;

thence along said land of Butler and another stone wall, the following courses and distances:
South 40 degrees 30' 20" West, 67.73 feet;
South 42 degrees 17' 03" West, 87.16 feet;
South 77 degrees 59' 54" West, 35.77 feet;
South 88 degrees 44' 00" West, 33.03 feet;
South 23 degrees 20' 08" West, 77.95 feet;
South 28 degrees 15' 16" West, 50.21 feet;
South 38 degrees 38' 58" West, 17.00 feet;
South 44 degrees 16' 33" West, 157.81 feet;
South 59 degrees 33' 16" West, 64.10 feet;
South 32 degrees 02' 14" West, 126.34 feet, to land now or late of Forsythe Waist Co;
thence along said land now or late of Gail Gardner and another stone wall, the following courses and distances:
South 82 degrees 29' 40" West, 155.14 feet;
South 84 degrees 13' 50" West, 182.42 feet;
South 54 degrees 31' 00" West, 41.19 feet;
South 72 degrees 25' 00" West, 37.21 feet;
North 80 degrees 08' 30" West, 35.86 feet;
North 68 degrees 31' 10" West, 39.85 feet;
South 82 degrees 44' 10" West, 68.85 feet;
South 83 degrees 25' 20" West, 129.19 feet;
South 83 degrees 39' 50" West, 216.60 feet;
North 81 degrees 27' 50" West, 125.97 feet;

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

North 82 degrees 44' 50" West, 97.31 feet, to the easterly side of Mamoreneck Avenue, and thence along said easterly side of Mamaroneck Avenue, North 8 degrees 03' 20" East, 235.37 feet;
still along said easterly side of Mamaroneck Avenue in a curve having a radius of 2915.00 feet, a length of 250.14 feet to the Point or place of beginning.

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PARCEL C:

ALL that certain plot, piece, or parcel of land, situate, lying, and being in the Village and Town of Harrison, County of Westchester and State of New York, bounded and described as follows:

Beginning at a point on the new westerly side of Winfield Avenue as so widened, said point of beginning being formed by the intersection of the new westerly side of Winfield Avenue, with the division line between land now or formerly of Helen H. Rogers, land now or formerly of Gail Gardner, said point of beginning being the northeasterly corner of land conveyed by Gail Gardner to John H. Rogers by deed dated September 29, 1937 in Liber 3622 of conveyances page 184; thence running northwesterly and along said land of Helen H. Rogers and described in Liber 3622 of conveyances page 184, said boundary at all times being 25 feet, distant southerly from the northerly boundary of property of Gail Gardner, the following courses and distances:

North 53 degrees 18' 50" West, 283.35 feet;
North 63 degrees 43' 29" West, 255.15 feet;
North 62 degrees 49' 03" West, 13.22 feet to a corner;

thence running southwesterly and still along said land of Helen H. Rogers, South 34 degrees 31' 20" West, 365.57 feet to land now or formerly of Vera Kineon;

thence running westerly and along said land of Vera Kineon and along land now or formerly of Harmon S. Auguste, the following courses and distances:

North 73 degrees 09' 20" West, 46.55 feet;
North 73 degrees 45' 10" West, 287.23 feet;
North 73 degrees 53' 00" West, 103.08 feet;
South 78 degrees 49' 00" West, 408.68 feet;
South 79 degrees 49' 20" West 131.02 feet; and
South 80 degrees 20' 10" West; 210.22 feet, to a corner;

thence running northwesterly and westerly and still along said land of Harmon S. Auguste and along land now or formerly of Eckley, the following courses and distances:

North 21 degrees 57' 00" West, 48.57 feet;
North 00 degrees 47' 10" West, 25.97 feet;
North 10 degrees 15' 50" West, 189.28 feet;
North 25 degrees 54' 20" East, 13.09 feet; and
North 82 degrees 00' 00" West, 158.59 feet, to the easterly side of Mamaroneck Avenue;

thence running northerly and along said easterly side of Mamaroneck Avenue, North 08 degrees 03" 20" East, 200.00 feet, to the land now or formerly of David Levy;

thence easterly and southeasterly along said land of David Levy and along land now or formerly of Sarah Patrick, the following courses and distances:

South 82 degrees 44' 50" East, 97.31 feet;
South 81 degrees 27' 50" East, 125.97 feet;
North 83 degrees 39' 50" East, 216.60 feet;
North 83 degrees 25' 20" East, 129.19 feet;
North 82 degrees 44' 10" East, 88.85 feet;
South 68 degrees 31' 10" East, 39.85 feet;
South 80 degrees 08' 30" East, 35.86 feet;
North 72 degrees 25' 00" East, 37.21 feet;

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

North 54 degrees 31' 00" East, 41.19 feet;
North 84 degrees 13' 50" East, 182.42 feet;
North 82 degrees 29' 40" East, 155.14 feet;
South 63 degrees 36' 04" East, 220.55 feet;
South 64 degrees 26' 20" East, 101.07 feet;
South 59 degrees 59' 00" East, 20.13 feet;
South 63 degrees 39' 55" East, 40.06 feet;
South 62 degrees 49' 03" East, 123.24 feet;
South 63 degrees 43' 29" East, 257.23 feet; and
South 53 degrees 18' 50" East, 275.42 feet, to the westerly side of Winfield Avenue;
running thence southwesterly along same on a curve to the left having a radius of 1050 feet, for a distance of 27 feet to the Point or place of beginning.

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PERIMETER DESCRIPTION

ALL that certain plot, piece, or parcel of land, situate, lying, and being in the Village of Harrison, Coutny of Westchester and State of New York, being more particularly bounded and described as follows:
beginning at a point on the easterly side of Mamaroneck Avenue, distant 1130.11 feet southerly as measured along same, from its intersection with the southerly side of Union Avenue;
thence South 61 degrees 59' 42" East, 74.98 feet;
South 86 degrees 51' 45" East, 291.97 feet;
North 48 degrees 08' 15" East, 372.87 feet, to lands known as Resubdivision Map of a portion of Pleasant Ridge Heights Map No. 7787;
running thence along said last mentioned lands, the following courses and distances:
South 03 degrees 08' 15" West, 125.43 feet;
South 58 degrees 32' 00" East, 76.82 feet;
South 58 degrees 02' 00" East, 132.06 feet;
South 58 degrees 22' 20" East, 85.83 feet;
South 59 degrees 51' 45" East, 11.46 feet;
South 77 degrees 09' 30" East, 32.01 feet;
South 78 degrees 59' 50" East, 57.07 feet;
South 77 degrees 37' 10" East, 56.02 feet;
South 82 degrees 48' 45" East, 39.27 feet;
South 77 degrees 27' 50" East, 67.40 feet;
South 75 degrees 22' 15" East, 62.30 feet;
South 74 degrees 11' 00" East 90.55 feet;
South 75 degrees 07' 20" East, 114.39 feet; to lands now or formerly of Renee R. Landau;
running thence along said last mentioned lands, South 40 degrees 30' 20" West, 67.73 feet and South 42 degrees 17' 03 West, 87.16 feet, to lands now or formerly of Josephine Birnbaum;
running thence along said last mentioned lands, the following courses and distances:
South 77degrees 59' 54" West, 35.77 feet;
North 88 degrees 44' 00" West, 33.03 feet;
South 23 degrees 20' 08" West, 77.95 feet;
South 28 degrees 15' 16" West, 50.21 feet;
South 38 degrees 38' 58" West, 17.00 feet;
South 44 degrees 16' 33" West, 157.81 feet;
South 59 degrees 33' 16" East, 64.10 feet;
South 32 degrees 02' 14" West, 126.34 feet;
South 63 degrees 36' 04" East, 220.55 feet;
South 64 degrees 26' 20" East, 101.07 feet;
South 59 degrees 59' 00" East, 20.13 feet;
South 63 degrees 39' 55" East, 40.06 feet;
South 62 degrees 49' 03" East, 123.24 feet;
South 63 degrees 43' 29" East, 257.23 feet;
South 53 degrees 18' 50" East, 275.42 feet, to the westerly side of Winfield Avenue; running thence along said westerly side of Winfield Avenue in a southerly direction on a curve to the left having a radius of 1050 feet, a

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

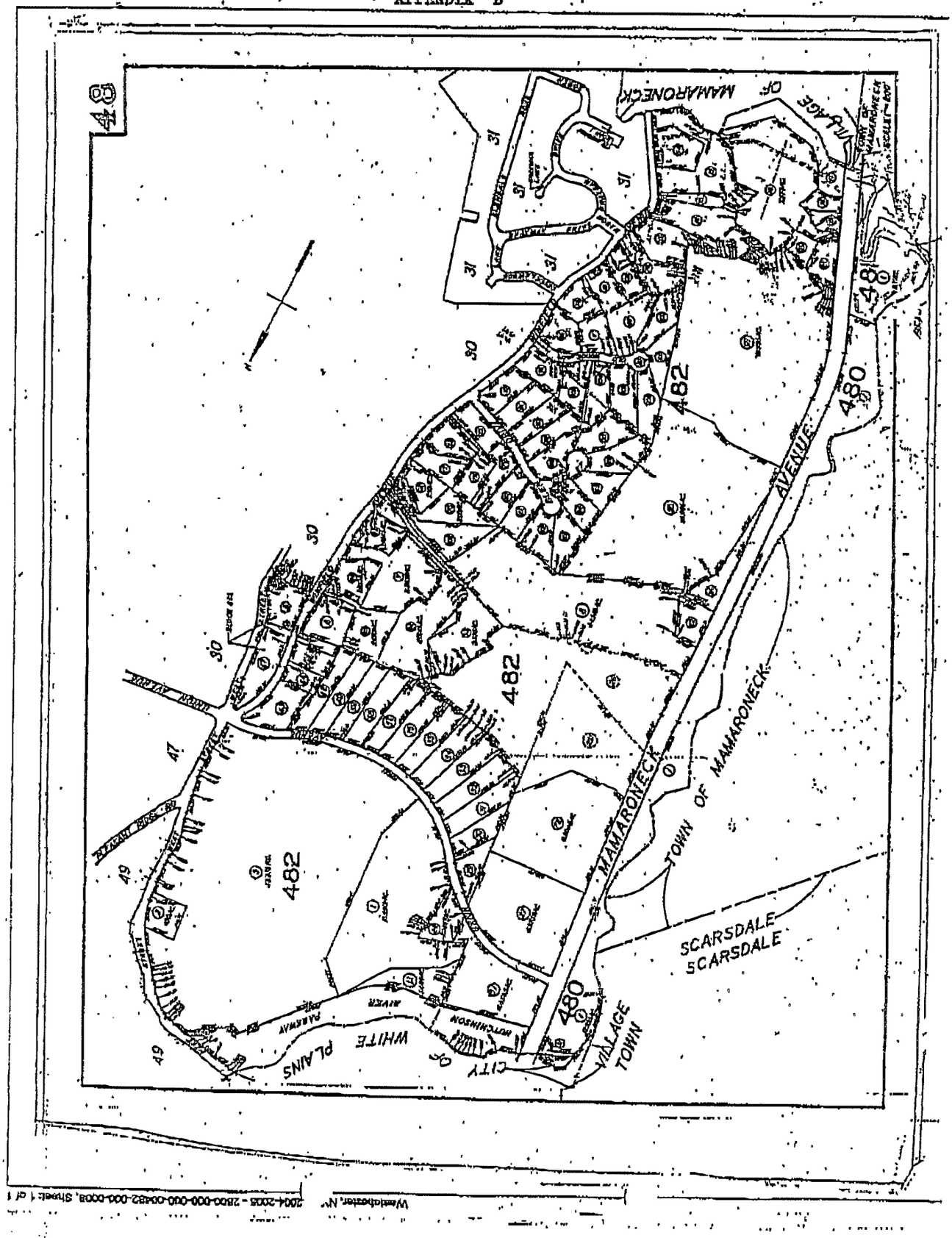
Title No.: 3704-00937

distance of 27 feet to lands now or formerly of Elizabeth G. Brooks;
running thence along said last mentioned lands the following courses and distances:

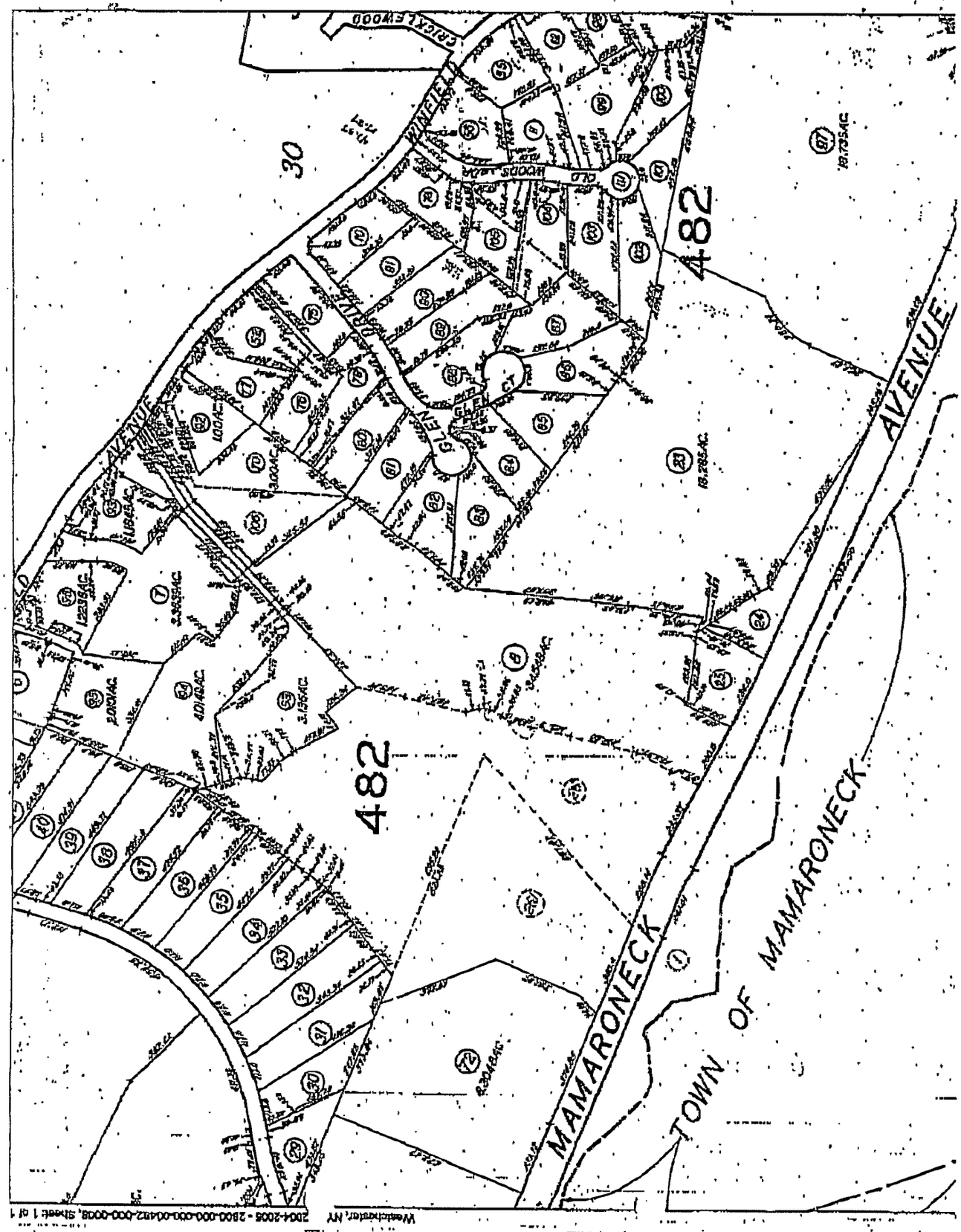
North 53 degrees 18' 50" West, 283.35 feet;
North 63 degrees 43' 29" West, 255.15 feet;
North 62 degrees 49' 03" West, 13.22 feet;
South 34 degrees 31' 20" West, 365.57 feet, to lands known as Subdivision Map of Winfield Acres County Clerk Map No. 16632;
running thence along said last mentioned lands, North 73 degrees 09' 20" West, 46.55 feet;
North 73 degrees 45' 10" West, 287.23 feet;
North 73 degrees 53' 00" West, 103.08 feet, to lands now or formerly of Prudential Insurance Company of America;
running thence along said last mentioned lands, South 78 degrees 49' West 408.68 feet;
South 79 degrees 49' 20" West, 131.02 feet;
South 80 degrees 20' 10" West, 210.22 feet;
North 21 degrees 57' 00" West, 48.57 feet; to lands now or formerly of J. Russell Clune;
Running thence along said last mentioned lands, the following courses and distances:
North 00 degrees 47' 10" East, 25.97 feet;
North 10 degrees 15' 50" West, 189.28 feet;
North 25 degrees 54' 20" East, 13.09 feet;
North 82 degrees 00' 00" West, 158.59 feet, to the easterly side of Mamaroeck Avenue; running thence along said easterly side of Mamaroneck Avenue, North 8 degrees 03' 20" East, 435.37 feet;
thence in a northerly direction on a curve to the left having a radius of 2915 feet, a distance of 250.14 feet;
thence North 3 degrees 08' 20" East, 300 feet to the Point or place of beginning.
Subject and together with reciprocal easement of ingress and egress recorded on December 26, 1978 in Liber 7526 page 785 in the Westchester County Clerk's Office, Division of Land Records.

Together with all right, title and interest of, in and to any streets and roads abutting the above described premises. Our policies of title insurance include such buildings and improvements thereon which by law constitute real property, unless specifically excepted therein.

APPENDIX "B"



Westchester, NY 2004-2005 - 2800-000-000-00432-000-0008, Sheet 1 of 1


CRICKLEWOOD
WINFIELD
30
482
482
GLEN
AVENUE
MAMARONECK
AVENUE
TOWN OF MAMARONECK

APPENDIX C

Use Classification "SB-1" includes the following as permitted uses: Public library, police station, fire station, Town Hall or municipal service building; Professional and business offices and financial institutions; Scientific research, excluding manufacturing of products for sale; Customary accessory uses incidental to a permitted use on the premises; Private off-street parking pursuant to Article VII; Signs pursuant to Article VIII. User Classification "SB-1" includes the following special exception uses: Residential community facilities – church, synagogue or similar place of worship, parish house or rectory; General community facilities; Health maintenance, rehabilitation and fitness centers; Planned office park; Secretarial, business, trade or similar schools; Telephone exchange; Private parking garage pursuant to Article VII; Retail service or wholesale trade only incidental activity to a permitted use. Use Classification "SB-1" prohibits the following uses: Residential uses – 1-family detached dwelling, 2-family detached dwelling, Multiple dwelling, dwelling units over first-floor nonresidential uses; Non-profit clubs, fraternal social, educational or philanthropic organizations; Public passenger transportation station or terminal; automobile or boat salesroom, outdoor sales area or repair garage; automobile service stations; bowling alley, billiard parlor and similar indoor recreation use; cabaret; cleaning establishments; day care center; eating establishment – drive-in open front or curb service; executive learning center, corporate management training facility; food-processing shop; guest facilities; hotel/motel; job printing; newspaper establishment; nursing home; public parking garage; public off-street parking; restaurants; retail service establishments; retail stores; undertaker's establishment. All unlisted uses are prohibited.

WESTCHESTER COUNTY CLERK RECORDING SHEET

110 Dr. Martin Luther King, Jr. Boulevard White Plains, NY 10601

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH EACH DOCUMENT

This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this document.
To the best of the submitter's knowledge the information contained on this Recording Sheet is consistent with the information contained in the attached document.

SUBMITTER INFORMATION: Title Number:

Company: Keane & Beane, P.C.

Address: 445 Hamilton Avenue -15th Floor

City White Plains State: NY Zip: 10601 Telephone: (914) 946-4777

Attention: Joel H. Sachs, Esq.

Document type: C&R

# of pages - 15

Mortgage Amount — On page ____ of document: $

OR

Consideration/Conveyance Amt: $ 0.00

Dwelling Type: For Mortgage Only — On page ____ of document
- ☐ 1 to 2 family
- ☐ 1 to 6 family
- ☐ Not 1 to 6 family

1st party name(s) (i.e. grantor/mortgagor) — On page 1 of document — Business Entity
- 500 Mamaroneck Avenue L.P. and ☐
- Viviane Paris, LLC ☐
- ☐
- ☐
- ☐

Check if submitted:
- ☐ RP-5217 - ☐ $75 ☐ $165
- ☑ TP-584 - Type of property conveyed [1 through 8] 8
- ☐ TP-584.1 ☐ IT-2663

2nd party name(s) (i.e. grantee/mortgagee) — On page 1 of document — Business Entity
- New York State Department of ☐
- Environmental Conservation ☐
- ☐
- ☐
- ☐

TAXES PAID:

	Amount	Reference # Or Check #
Mortgage Tax	$	
Transfer Tax	$	
Mansion Tax	$	

RECORDING FEES PAID:

Amount	Reference # or Check #
$ 87.00	48640

Tax designation (Section, Block & Lot) — On page 1 of document

Block: 482, Lots 8-26 and 26.1

MORTGAGE TAX AFFIDAVITS SUBMITTED:
- ☐ 252 ☐ 255 ☐ 280 Other:
- ☐ 253 ☐ 260 ☐ 339-ee

City(ies) or Town(s) for Property Description — On page 1 of document

Town of Harrison

Cross Reference(s): On page ____ of document

Property Description -- If required, check the one contained within the document. On page ____ of document
- ☐ Metes & bounds
- ☐ Lot number on map filed in the Office of the County Clerk
- ☐ Refer to deed recorded in the Office of the County Clerk

Record and Return To:

Rosalie K. Rusinko, Esq.
NYS Dept. of Environmental Conservation
Division of Environmental Enforcement
200 White Plains Road, 5th Floor
Tarrytown, New York 10591

RECEIVED 06 FEB 10 PM 3:33 WESTCHESTER COUNTY CLERK

LandRecords/CoverSheetLdoc revised 05/30/05

461090156DLR1

Control Number
461090156

Instrument Type
DLR

WESTCHESTER COUNTY RECORDING AND ENDORSEMENT PAGE
(THIS PAGE FORMS PART OF THE INSTRUMENT)
*** DO NOT REMOVE ***

THE FOLLOWING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:
TYPE OF INSTRUMENT: DLR - DECLARATION
FEE PAGES: 17 TOTAL PAGES: 17

RECORDING FEES

STATUTORY CHARGE	$6.00
RECORDING CHARGE	$51.00
RECORD MGT. FUND	$19.00
RP 5217	$0.00
TP-584	$5.00
CROSS REFERENCE	$0.00
MISCELLANEOUS	$0.00
TOTAL FEES PAID	$81.00

MORTGAGE TAXES

MORTGAGE DATE	
MORTGAGE AMOUNT	$0.00
EXEMPT	
COUNTY TAX	$0.00
YONKERS TAX	$0.00
BASIC	$0.00
ADDITIONAL	$0.00
MTA	$0.00
SPECIAL	$0.00
TOTAL PAID	$0.00

TRANSFER TAXES

CONSIDERATION	$0.00
TAX PAID	$0.00
TRANSFER TAX #	12240

SERIAL NUMBER:
DWELLING:

RECORDING DATE: 5/4/2006
TIME: 15:18:00

THE PROPERTY IS SITUATED IN
WESTCHESTER COUNTY, NEW YORK IN THE:
TOWN OF HARRISON

WITNESS MY HAND AND OFFICIAL SEAL

TIMOTHY C. IDONI
WESTCHESTER COUNTY CLERK

Record & Return to:
NY DEPT OF ENVIRONMENTAL ENFORCI
200 WHITE PLAINS RD 5TH FLOOR

TARRYTOWN, NY 10591

CUDDY & FEDER LLP

90 MAPLE AVENUE
WHITE PLAINS, NEW YORK 10601-5196

(914) 761-1300
FACSIMILE (914) 761-5372/6405
www.cuddyfeder.com

500 FIFTH AVENUE
NEW YORK, NEW YORK 10110
(212) 944-2841
FACSIMILE (212) 944-2843

300 WESTAGE BUSINESS CENTER
FISHKILL, NEW YORK 12524
(845) 896-2229
FACSIMILE (845) 896-3672

NORWALK, CONNECTICUT

NEIL ALEXANDER (also CT)
THOMAS R. BEIRNE (also DC)
STEPHANIE BORTNYK
JOSEPH P. CARLUCCI
LUCIA CHIOCCHIO (also CT)
KENNETH J. DUBROFF
ROBERT FEDER
CHRISTOPHER B. FISHER (also CT)
CINDY M. FOX (also NJ & DC)
ANTHONY B. GIOFFRE, III (also CT)
JOSHUA J. GRAUER
KENNETH F. JURIST
MICHAEL KATZ (also NJ)
JOSHUA E. KIMERLING (also CT)
DANIEL F. LEARY (also CT)
BARRY E. LONG

EON S. NICHOLS (also CT)
WILLIAM S. NULL
ELISABETH N. RADOW
PAMELA RICHARDSON (also NJ)
NEIL T. RIMSKY
RUTH E. ROTH
ANDREW SCHRIEVER (also MA)
JENNIFER L. VAN TUYL
CHAUNCEY L. WALKER (also CA)

Of Counsel
ANDREW A. GLICKSON (also CT)
KAREN G. GRANIK
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER

TO: Mark Gouch

FROM: Robert L. Osar

MAIN OFFICE NO.

TELECOPIER NO. 631-756-8901

DATE: 07/13/06 **PAGES:** 18 (Including Cover) **CLIENT:** 381. **MATTER:** 22

MESSAGE:
Mark:,
As requested by Cathy Weber, please find attached the deed restriction for 500 Mamaroneck Avenue for your site inspection with DEC. This is the document as filed with the Westchester COuty Clerk.

IMPORTANT NOTICE: The accompanying fax transmission is intended to be viewed and read only by the individual or entity named above. If you are not the intended recipient so named, you are prohibited from reading this transmission. You are also notified that any dissemination, distribution, or copying of this transmission is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original transmission to us by the U.S. Postal Service. Thank you.

OPERATOR: Sharon (914) 761-1300 Ext. 237

IF THERE ARE ANY PROBLEMS, PLEASE NOTIFY OPERATOR IMMEDIATELY.

C&F: 318877.1

DP-P-76
P Har

DECLARATION OF COVENANTS AND RESTRICTIONS

THIS DECLARATION OF COVENANTS AND RESTRICTIONS (hereinafter sometimes referred to as this "Declaration") made this ninth day of August, 2005 by **500 MAMARONECK AVENUE L.P.**, a Delaware limited partnership, having its principal place of business at c/o W&M Properties of New York, L.L.C., 60 East 42nd Street, 26th Floor, New York, New York 10165 and **VIVIANE PARIS, LLC**, a New York limited liability company, having its principal place of business at 475 Park Avenue, New York 10022 (hereinafter collectively referred to as "Declarant").

WITNESSETH:

WHEREAS, Declarant is the owner of those certain parcels of real property, commonly known as 500 Mamaroneck Avenue, Harrison, New York 10528, identified on the Tax Map for the Town/Village of Harrison as Block 482, Lots 8-26 and 26.1, more particularly described in Appendix A attached hereto (the "Property") which is the subject of a Voluntary Cleanup Agreement for Site Number V-00213-3 executed by 500 Mamaroneck Avenue Associates ("Volunteer") and the New York State Department of Environmental Conservation (the "Department") as part of its Voluntary Cleanup Program, set forth in Agreement, Index Number, W3-0851-99-05; (the "Agreement") and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Property and such remedy requires that the Property be subject to restrictive covenants; and

WHEREAS, Declarant agrees to impose certain restrictions on the Property for the benefit of the New York State Department of Environmental Conservation and its successors and assigns.

NOW, THEREFORE, Declarant, for itself and its successors and assigns, for good and valuable consideration received by Declarant, does hereby subject the

Property to the covenants and restrictions set forth herein, all of which shall run with the land and be binding upon all parties now or in the future owning or having any proprietary interest in the Property or any part thereof, and shall provide that the owner, and its successors and assigns, consents to enforcement by the Department of the prohibitions and restrictions that the Agreement requires to be recorded, and hereby covenants not to contest the authority of the Department to seek enforcement and further covenants that:

First: The Property subject to this Declaration of Covenants and Restrictions, is as shown on a map attached to this declaration as Appendix "B" and made a part hereof, and is specifically described on Appendix "A".

Second: Unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency" is first obtained, to the extent required in the RAWP, there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property, which threatens the integrity of the soil cap, or which results in unacceptable human exposure to contaminated soils.

Third: The Property may be used only for commercial office space, uses incidental and ancillary thereto related parking and any use allowable under the Town of Harrison, County of Westchester, Business Districts, Table of Use Regulations (Amended 12/20/94), Use Classification "SB-1," a copy of which is attached hereto as Appendix C. Use of the Property solely as a day care, child care, or medical care facility (other than for out-patient care) shall not be permitted without the written waiver of such prohibition by the Relevant Agency.

Fourth: The engineering controls and the replacements thereof, currently in place on the Property, consisting of buildings, roadways, walkways, vegetative and soil cover, fountains, parking lots, and rip rap shown and delineated on that certain site maps shown as Figures 1-2, 3-2 and 3-3 to the Remedial Action Work Plan (the "Site

Maps") for this site prepared by ERM-Northeast, dated January 2005 ("RAWP"), and filed with the DEC with respect to the Agreement which RAWP is also maintained at the offices of Declarant, shall remain in the locations set forth on the Site Map and be maintained in a good state of repair to allow them to be used as a cover or a cap for the site as further delineated and described in the RAWP. Nothing herein shall be construed to prevent or prohibit the replacement or reconstruction of any such buildings, roadways, walkways, fountains, parking lots and vegetative and soil cover substantially as shown on the Site Map, subject to the provisions of Section Second above and Sections Sixth and Seventh below.

Fifth: The groundwater on the site is not to be used for potable purposes unless the Relevant Agency provides express written permission to allow the groundwater to be used for a specific potable purpose without appropriate treatment, except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with its current use.

Sixth: If work is performed on the Property which requires or consists of disrupting, breaking through, or excavating into, on, or under any of the engineering controls set forth on the Site Maps, to the extent set forth in the RAWP, means and procedures to protect the health and safety of any workers performing such intrusive work shall be implemented.

Seventh: To the extent required in the RAWP, before commencing any work, the owner and/or operator of the Property must notify the Relevant Agency. Any work shall be performed in accordance with the terms and provisions of the Site Management Plan, as included in Appendix A of the RAWP, if so required thereby.

Eighth: The owner and/or operator of the property must file an annual certification to DEC that the engineering controls set forth on the Site Maps are in place and effective as per the requirements set forth in the Site Management Plan, as included in Appendix A of the RAWP.

Ninth: The terms and provisions of this Declaration of Covenants and Restrictions are to be construed, together with the RAWP, including the Site Management Plan, narrowly and no restriction or limitation not specifically set forth herein or in the RAWP, including the Site Management Plan, shall be inferred from either of them.

Tenth: The covenants and restrictions set forth in this Declaration shall run with and bind the land for the benefit of the Relevant Agency only and are enforceable by the Relevant Agency only.

Eleventh: Any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

IN WITNESS WHEREOF, Declarant has duly executed this Declaration as of the day and year first above written.

500 MAMARONECK AVENUE L.P., a Delaware limited partnership

By: Malkin 500 Mamaroneck L.L.C., a New York limited liability company, its general partner

By: _____
Peter L. Malkin
Managing Member

By _____
Anthony E. Malkin
Managing Member

VIVIANE PARIS, LLC, a New York limited liability company

By: First-Half Realty Co., Inc., a New York corporation, its sole and Managing Member

By: _____
Viviane Paris, President

State of New York)
County of New York)ss.:

On the 30th day of August in the year 2005 before me, the undersigned, personally appeared Peter L. Malkin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Jack K. Feirman
Notary Public

JACK K. FEIRMAN
Notary Public, State of New York
No. 30-6257560
Certificate Filed in Nassau County
Commission Expires June 30, 2006

State of New York)
County of New York)ss.:

On the 30th day of August in the year 2005 before me, the undersigned, personally appeared Anthony E. Malkin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Jack K. Feirman
Notary Public

JACK K. FEIRMAN
Notary Public, State of New York
No. 30-6257560
Certificate Filed in Nassau County
Commission Expires June 30, 2006

State of New York)
County of New York)ss.:

On the 17 day of August in the year 2005 before me, the undersigned, personally appeared Viviane Paris, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public
RICHARD H. MAIDMAN
Notary Public, State of New York
Qualified in Nassau County
No. 4621974
Term Expires March 30, 2006

Tax Map Designation:
Block: 482
Lots: 8-26 and 26.1
Town: Harrison

Record and Return To:
Rosalie K. Rusinko, Esq.
New York State Department of
Environmental Conservation
Division of Environmental Enforcement
200 White Plains Rd., 5th Floor
Tarrytown, New York 10591

C&F: 303388.5

APPENDIX "A"

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PARCEL A: ALL that certain plot, piece, or parcel of land, situate, lying, and being in the Village and Town of Harrison, County of Westchester and State of New York, being more particularly bounded and described as follows:
Beginning at a point on the easterly side of Mamaroneck Avenue, distant 1130.11 feet southerly as measured along the same, from its intersection with the southerly side of Union Avenue;
Thence along the said easterly side of Mamaroneck Avenue,
South 3 degrees 08' 20" West, 300.00 feet to lands now or formerly of the Town of Harrison; thence along said lands,
South 61 degrees 59' 42" East, 687.42 feet to a point; thence
North 3 degrees 08' 15" East, 821.23 feet to a point; thence
South 48 degrees 08' 15" West, 372.87 feet to a point; thence
North 86 degrees 51' 45" West, 291.97 feet to a point; thence
North 61 degrees 59' 42" West, 74.98 feet to the point or place of beginning.

Subject to and together with reciprocal easements of ingress and egress recorded on December 26, 1978 in Liber 7526 cp 785 in the Westthester County Clerk's Office, Division of Land Records.

CTNLEGAL

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PARCEL B:
All that certain tract, piece, parcel of land, situate, lying and being in the Village and Town of Harrison, Westchester County and State of New York, bounded and described as follows:
Beginning at a point formed by the intersection of the southerly side of Union Avenue and the easterly side of Mamaroneck Avenue and in a southerly direction;
South 3 degrees 08' 15" West, 755.26 feet
South 3 degrees 08' 20" West, 674.85 feet to the Point or place of beginning, the following courses and distances:
South 61 degrees 59' 42" East, 687.42 feet;
North 3 degrees 08' 15" East, 695.8 feet;
South 58 degrees 32' 00" East, 76.82 feet;
South 58 degrees 02' 00" East, 132.06 feet;
South 58 degrees 22' 20" East, 85.83 feet;
South 59 degrees 51' 45" East, 11.46 feet;
South 77 degrees 09' 30" East, 32.01 feet;
South 78 degrees 59' 50" East, 57.07 feet;
South 77 degrees 37' 10" East, 56.02 feet;
South 82 degrees 48' 45" East, 39.27 feet;
South 77 degrees 27' 50" East, 67.40 feet;
South 75 degrees 22' 15" East, 62.30 feet;
South 74 degrees 11' 00" East, 90.55 feet;
South 75 degrees 07' 20" East, 114.33 feet, to land now or late of Thomas M. Butler and wife;

thence along said land of Butler and another stone wall, the following courses and distances:
South 40 degrees 30' 20" West, 67.73 feet;
South 42 degrees 17' 03" West, 87.16 feet;
South 77 degrees 59' 54" West, 35.77 feet;
South 88 degrees 44' 00" West, 33.03 feet;
South 23 degrees 20' 08" West, 77.95 feet;
South 28 degrees 15' 16" West, 50.21 feet;
South 38 degrees 38' 58" West, 17.00 feet;
South 44 degrees 16' 33" West, 157.81 feet;
South 59 degrees 33' 16" West, 64.10 feet;
South 32 degrees 02' 14" West, 126.34 feet, to land now or late of Forsythe Waist Co;
thence along said land now or late of Gail Gardner and another stone wall, the following courses and distances:
South 82 degrees 29' 40" West, 155.14 feet;
South 84 degrees 13' 50" West, 182.42 feet;
South 54 degrees 31' 00" West, 41.19 feet;
South 72 degrees 25' 00" West, 37.21 feet;
North 80 degrees 08' 30" West, 35.86 feet;
North 68 degrees 31' 10" West, 39.85 feet;
South 82 degrees 44' 10" West, 68.85 feet;
South 83 degrees 25' 20" West, 129.19 feet;
South 83 degrees 39' 50" West, 216.60 feet;
North 81 degrees 27' 50" West, 125.97 feet;

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

North 82 degrees 44' 50" West, 97.31 feet, to the easterly side of Mamoreneck Avenue, and thence along said easterly side of Mamaroneck Avenue, North 8 degrees 03' 20" East, 235.37 feet;
still along said easterly side of Mamaroneck Avenue in a curve having a radius of 2915.00 feet, a length of 250.14 feet to the Point or place of beginning.

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PARCEL C:

ALL that certain plot, piece, or parcel of land, situate, lying, and being in the Village and Town of Harrison, County of Westchester and State of New York, bounded and described as follows:

Beginning at a point on the new westerly side of Winfield Avenue as so widened, said point of beginning being formed by the intersection of the new westerly side of Winfield Avenue, with the division line between land now or formerly of Helen H. Rogers, land now or formerly of Gail Gardner, said point of beginning being the northeasterly corner of land conveyed by Gail Gardner to John H. Rogers by deed dated September 29, 1937 in Liber 3622 of conveyances page 184; thence running northwesterly and along said land of Helen H. Rogers and described in Liber 3622 of conveyances page 184, said boundary at all times being 25 feet, distant southerly from the northerly boundary of property of Gail Gardner, the following courses and distances:

North 53 degrees 18' 50" West, 283.35 feet;
North 63 degrees 43' 29" West, 255.15 feet;
North 62 degrees 49' 03" West, 13.22 feet to a corner;

thence running southwesterly and still along said land of Helen H. Rogers, South 34 degrees 31' 20" West, 365.57 feet to land now or formerly of Vera Kineon;

thence running westerly and along said land of Vera Kineon and along land now or formerly of Harmon S. Auguste, the following courses and distances:

North 73 degrees 09' 20" West, 46.55 feet;
North 73 degrees 45' 10" West, 287.23 feet;
North 73 degrees 53' 00" West, 103.08 feet;
South 78 degrees 49' 00" West, 408.68 feet;
South 79 degrees 49' 20" West 131.02 feet; and
South 80 degrees 20' 10" West; 210.22 feet, to a corner;

thence running northwesterly and westerly and still along said land of Harmon S. Auguste and along land now or formerly of Eckley, the following courses and distances:

North 21 degrees 57' 00" West, 48.57 feet;
North 00 degrees 47' 10" West, 25.97 feet;
North 10 degrees 15' 50" West, 189.28 feet;
North 25 degrees 54' 20" East, 13.09 feet; and
North 82 degrees 00' 00" West, 158.59 feet, to the easterly side of Mamaroneck Avenue;

thence running northerly and along said easterly side of Mamaroneck Avenue, North 08 degrees 03" 20" East, 200.00 feet, to the land now or formerly of David Levy;

thence easterly and southeasterly along said land of David Levy and along land now or formerly of Sarah Patrick, the following courses and distances:

South 82 degrees 44' 50" East, 97.31 feet;
South 81 degrees 27' 50" East, 125.97 feet;
North 83 degrees 39' 50" East, 216.60 feet;
North 83 degrees 25' 20" East, 129.19 feet;
North 82 degrees 44' 10" East, 88.85 feet;
South 68 degrees 31' 10" East, 39.85 feet;
South 80 degrees 08' 30" East, 35.86 feet;
North 72 degrees 25' 00" East, 37.21 feet;

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

North 54 degrees 31' 00" East, 41.19 feet;
North 84 degrees 13' 50" East, 182.42 feet;
North 82 degrees 29' 40" East, 155.14 feet;
South 63 degrees 36' 04" East, 220.55 feet;
South 64 degrees 26' 20" East, 101.07 feet;
South 59 degrees 59' 00" East, 20.13 feet;
South 63 degrees 39' 55" East, 40.06 feet;
South 62 degrees 49' 03" East, 123.24 feet;
South 63 degrees 43' 29" East, 257.23 feet; and
South 53 degrees 18' 50" East, 275.42 feet, to the westerly side of Winfield Avenue;
running thence southwesterly along same on a curve to the left having a radius of 1050 feet, for a distance of 27 feet to the Point or place of beginning.

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

Title No.: 3704-00937

PERIMETER DESCRIPTION

ALL that certain plot, piece, or parcel of land, situate, lying, and being in the Village of Harrison, Coutny of Westchester and State of New York, being more particularly bounded and described as follows:
beginning at a point on the easterly side of Mamaroneck Avenue, distant 1130.11 feet southerly as measured along same, from its intersection with the southerly side of Union Avenue;
thence South 61 degrees 59' 42" East, 74.98 feet;
South 86 degrees 51' 45" East, 291.97 feet;
North 48 degrees 08' 15" East, 372.87 feet, to lands known as Resubdivision Map of a portion of Pleasant Ridge Heights Map No. 7787;
running thence along said last mentioned lands, the following courses and distances:
South 03 degrees 08' 15" West, 125.43 feet;
South 58 degrees 32' 00" East, 76.82 feet;
South 58 degrees 02' 00" East, 132.06 feet;
South 58 degrees 22' 20" East, 85.83 feet;
South 59 degrees 51' 45" East, 11.46 feet;
South 77 degrees 09' 30" East, 32.01 feet;
South 78 degrees 59' 50" East, 57.07 feet;
South 77 degrees 37' 10" East, 56.02 feet;
South 82 degrees 48' 45" East, 39.27 feet;
South 77 degrees 27' 50" East, 67.40 feet;
South 75 degrees 22' 15" East, 62.30 feet;
South 74 degrees 11' 00" East 90.55 feet;
South 75 degrees 07' 20" East, 114.39 feet; to lands now or formerly of Renee R. Landau;
running thence along said last mentioned lands, South 40 degrees 30' 20" West, 67.73 feet and South 42 degrees 17' 03 West, 87.16 feet, to lands now or formerly of Josephine Birnbaum;
running thence along said last mentioned lands, the following courses and distances:
South 77degrees 59' 54" West, 35.77 feet;
North 88 degrees 44' 00" West, 33.03 feet;
South 23 degrees 20' 08" West, 77.95 feet;
South 28 degrees 15' 16" West, 50.21 feet;
South 38 degrees 38' 58" West, 17.00 feet;
South 44 degrees 16' 33" West, 157.81 feet;
South 59 degrees 33' 16" East, 64.10 feet;
South 32 degrees 02' 14" West, 126.34 feet;
South 63 degrees 36' 04" East, 220.55 feet;
South 64 degrees 26' 20" East, 101.07 feet;
South 59 degrees 59' 00" East, 20.13 feet;
South 63 degrees 39' 55" East, 40.06 feet;
South 62 degrees 49' 03" East, 123.24 feet;
South 63 degrees 43' 29" East, 257.23 feet;
South 53 degrees 18' 50" East, 275.42 feet, to the westerly side of Winfield Avenue; running thence along said westerly side of Winfield Avenue in a southerly direction on a curve to the left having a radius of 1050 feet, a

CHICAGO TITLE INSURANCE COMPANY

SCHEDULE A DESCRIPTION

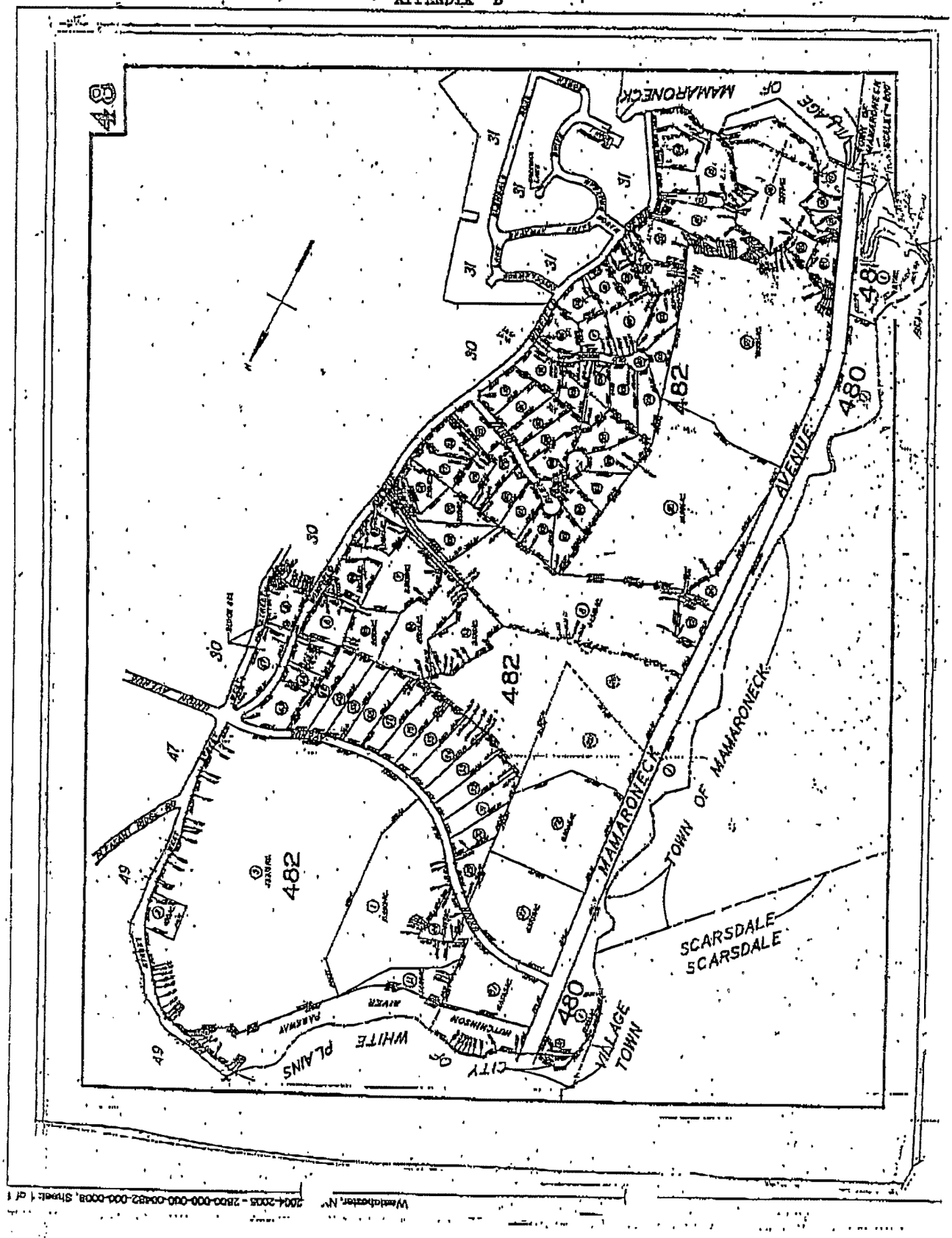
Title No.: 3704-00937

distance of 27 feet to lands now or formerly of Elizabeth G. Brooks;
running thence along said last mentioned lands the following courses and distances:

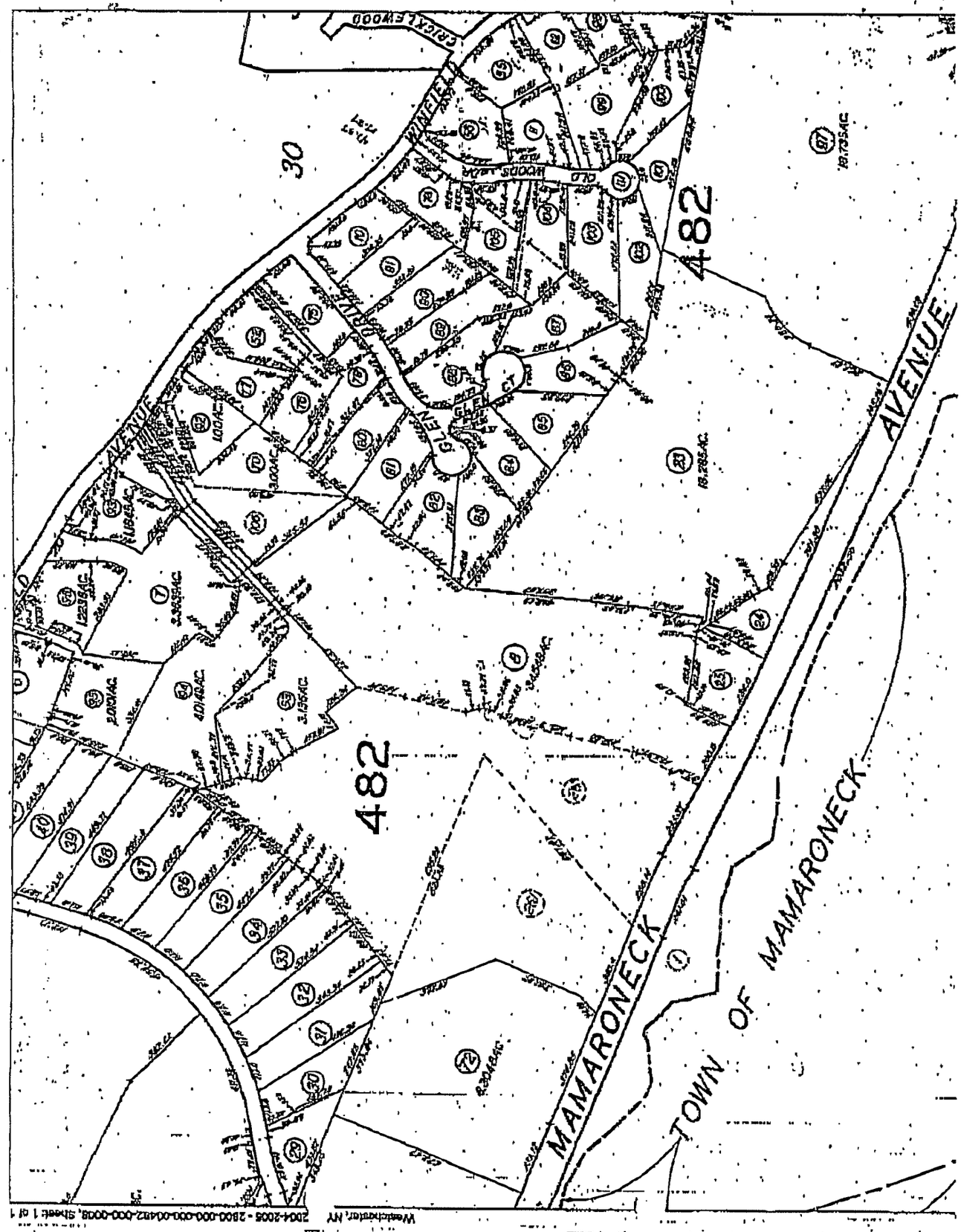
North 53 degrees 18' 50" West, 283.35 feet;
North 63 degrees 43' 29" West, 255.15 feet;
North 62 degrees 49' 03" West, 13.22 feet;
South 34 degrees 31' 20" West, 365.57 feet, to lands known as Subdivision Map of Winfield Acres County Clerk Map No. 16632;
running thence along said last mentioned lands, North 73 degrees 09' 20" West, 46.55 feet;
North 73 degrees 45' 10" West, 287.23 feet;
North 73 degrees 53' 00" West, 103.08 feet, to lands now or formerly of Prudential Insurance Company of America;
running thence along said last mentioned lands, South 78 degrees 49' West 408.68 feet;
South 79 degrees 49' 20" West, 131.02 feet;
South 80 degrees 20' 10" West, 210.22 feet;
North 21 degrees 57' 00" West, 48.57 feet; to lands now or formerly of J. Russell Clune;
Running thence along said last mentioned lands, the following courses and distances:
North 00 degrees 47' 10" East, 25.97 feet;
North 10 degrees 15' 50" West, 189.28 feet;
North 25 degrees 54' 20" East, 13.09 feet;
North 82 degrees 00' 00" West, 158.59 feet, to the easterly side of Mamaroeck Avenue; running thence along said easterly side of Mamaroneck Avenue, North 8 degrees 03' 20" East, 435.37 feet;
thence in a northerly direction on a curve to the left having a radius of 2915 feet, a distance of 250.14 feet;
thence North 3 degrees 08' 20" East, 300 feet to the Point or place of beginning.
Subject and together with reciprocal easement of ingress and egress recorded on December 26, 1978 in Liber 7526 page 785 in the Westchester County Clerk's Office, Division of Land Records.

Together with all right, title and interest of, in and to any streets and roads abutting the above described premises. Our policies of title insurance include such buildings and improvements thereon which by law constitute real property, unless specifically excepted therein.

APPENDIX "B"



Westchester, NY 2004-2005 - 2800-000-000-00432-000-0008, Sheet 1 of 1


CRICKLEWOOD
WINFIELD
30
482
482
GLEN
AVENUE
MAMARONECK
TOWN OF MAMARONECK
Westchester, NY 2004-2005 - 2800-000-000-00482-000-0008, Sheet 1 of 1

APPENDIX C

Use Classification "SB-1" includes the following as permitted uses: Public library, police station, fire station, Town Hall or municipal service building; Professional and business offices and financial institutions; Scientific research, excluding manufacturing of products for sale; Customary accessory uses incidental to a permitted use on the premises; Private off-street parking pursuant to Article VII; Signs pursuant to Article VIII. User Classification "SB-1" includes the following special exception uses: Residential community facilities – church, synagogue or similar place of worship, parish house or rectory; General community facilities; Health maintenance, rehabilitation and fitness centers; Planned office park; Secretarial, business, trade or similar schools; Telephone exchange; Private parking garage pursuant to Article VII; Retail service or wholesale trade only incidental activity to a permitted use. Use Classification "SB-1" prohibits the following uses: Residential uses – 1-family detached dwelling, 2-family detached dwelling, Multiple dwelling, dwelling units over first-floor nonresidential uses; Non-profit clubs, fraternal social, educational or philanthropic organizations; Public passenger transportation station or terminal; automobile or boat salesroom, outdoor sales area or repair garage; automobile service stations; bowling alley, billiard parlor and similar indoor recreation use; cabaret; cleaning establishments; day care center; eating establishment – drive-in open front or curb service; executive learning center, corporate management training facility; food-processing shop; guest facilities; hotel/motel; job printing; newspaper establishment; nursing home; public parking garage; public off-street parking; restaurants; retail service establishments; retail stores; undertaker's establishment. All unlisted uses are prohibited.

WESTCHESTER COUNTY CLERK RECORDING SHEET

110 Dr. Martin Luther King, Jr. Boulevard White Plains, NY 10601

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH EACH DOCUMENT

This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this document.
To the best of the submitter's knowledge the information contained on this Recording Sheet is consistent with the information contained in the attached document.

SUBMITTER INFORMATION: Title Number:

Company: Keane & Beane, P.C.

Address: 445 Hamilton Avenue -15th Floor

City White Plains State: NY Zip: 10601 Telephone: (914) 946-4777

Attention: Joel H. Sachs, Esq.

Document type: C&R

# of pages - 15

Mortgage Amount — On page ____ of document: $

OR

Consideration/Conveyance Amt: $ 0.00

Dwelling Type: For Mortgage Only — On page ____ of document
- ☐ 1 to 2 family
- ☐ 1 to 6 family
- ☐ Not 1 to 6 family

1st party name(s) (i.e. grantor/mortgagor) — On page 1 of document — Business Entity
- 500 Mamaroneck Avenue L.P. and ☐
- Viviane Paris, LLC ☐
- ☐
- ☐
- ☐

Check if submitted:
- ☐ RP-5217 - ☐ $75 ☐ $165
- ☑ TP-584 - Type of property conveyed [1 through 8] 8
- ☐ TP-584.1 ☐ IT-2663

2nd party name(s) (i.e. grantee/mortgagee) — On page 1 of document — Business Entity
- New York State Department of ☐
- Environmental Conservation ☐
- ☐
- ☐
- ☐

TAXES PAID:

	Amount	Reference # Or Check #
Mortgage Tax	$	
Transfer Tax	$	
Mansion Tax	$	

RECORDING FEES PAID:

Amount	Reference # or Check #
$ 87.00	48640

Tax designation (Section, Block & Lot) — On page 1 of document

Block: 482, Lots 8-26 and 26.1

MORTGAGE TAX AFFIDAVITS SUBMITTED:
- ☐ 252 ☐ 255 ☐ 280 Other:
- ☐ 253 ☐ 260 ☐ 339-ee

City(ies) or Town(s) for Property Description — On page 1 of document

Town of Harrison

Cross Reference(s): On page ____ of document

Property Description -- If required, check the one contained within the document. On page ____ of document
- ☐ Metes & bounds
- ☐ Lot number on map filed in the Office of the County Clerk
- ☐ Refer to deed recorded in the Office of the County Clerk

Record and Return To:

Rosalie K. Rusinko, Esq.
NYS Dept. of Environmental Conservation
Division of Environmental Enforcement
200 White Plains Road, 5th Floor
Tarrytown, New York 10591

RECEIVED 06 FEB 10 PM 3:33 WESTCHESTER COUNTY CLERK

LandRecords/CoverSheetLdoc revised 05/30/05

461090156DLR1

Control Number
461090156

Instrument Type
DLR

WESTCHESTER COUNTY RECORDING AND ENDORSEMENT PAGE
(THIS PAGE FORMS PART OF THE INSTRUMENT)
*** DO NOT REMOVE ***

THE FOLLOWING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:
TYPE OF INSTRUMENT: DLR - DECLARATION
FEE PAGES: 17 TOTAL PAGES: 17

RECORDING FEES

STATUTORY CHARGE	$6.00
RECORDING CHARGE	$51.00
RECORD MGT. FUND	$19.00
RP 5217	$0.00
TP-584	$5.00
CROSS REFERENCE	$0.00
MISCELLANEOUS	$0.00
TOTAL FEES PAID	$81.00

MORTGAGE TAXES

MORTGAGE DATE	
MORTGAGE AMOUNT	$0.00
EXEMPT	
COUNTY TAX	$0.00
YONKERS TAX	$0.00
BASIC	$0.00
ADDITIONAL	$0.00
MTA	$0.00
SPECIAL	$0.00
TOTAL PAID	$0.00

TRANSFER TAXES

CONSIDERATION	$0.00
TAX PAID	$0.00
TRANSFER TAX #	12240

SERIAL NUMBER:
DWELLING:

RECORDING DATE: 5/4/2006
TIME: 15:18:00

THE PROPERTY IS SITUATED IN
WESTCHESTER COUNTY, NEW YORK IN THE:
TOWN OF HARRISON

WITNESS MY HAND AND OFFICIAL SEAL

TIMOTHY C. IDONI
WESTCHESTER COUNTY CLERK

Record & Return to:
NY DEPT OF ENVIRONMENTAL ENFORCI
200 WHITE PLAINS RD 5TH FLOOR

TARRYTOWN, NY 10591

David Crosby - Re:DOH Concurrence-Periodic Review Report 01-31-14 For 500 Mamaroneck Ave Site # V00213

From: "Maureen E. Schuck" <mer10@health.state.ny.us>
To: "David Crosby" <dacrosby@gw.dec.state.ny.us>
Date: 3/26/2014 11:22 AM
Subject: Re:DOH Concurrence-Periodic Review Report 01-31-14 For 500 Mamaroneck Ave Site # V00213
CC: "Krista M. Anders" <kma06@notes.health.state.ny.us>

Dave,

I reviewed the December 2013 Periodic Review Report for the 500 Mamaroneck Avenue site. Minor repairs to maintain the asphalt parking lot are expected this spring, to ensure that the asphalt pavement remains a protective barrier by preventing direct contact exposures to residual sub-surface soil contamination. . Based on this review, the engineering and institutional controls remain in place and continue to be effective. Therefore, I find the report acceptable and have no additional comments.

Maureen

Maureen E. Schuck
Interim Chief, Regions 3 and 7

Bureau of Environmental Exposure Investigation
New York State Department of Health
*Empire State Plaza, Corning Tower, Room **1739***
Albany, NY 12237

mer10@health.state.ny.us
(518) 402-7860
fax. (518) 402-7859

"David Crosby" ---03/26/2014 09:51:49 AM---Any chance you can take a look at this? Was hoping to finalize PR by the end of the fiscal year. T

From: "David Crosby" <dacrosby@gw.dec.state.ny.us>
To: Maureen E. Schuck/BEEI/DEHI/CEH/OPH/DOH@NYSDOH,
Date: 03/26/2014 09:51 AM
Subject: Fwd: 500 Mamaroneck Ave V00213

Any chance you can take a look at this? Was hoping to finalize PR by the end of the fiscal year. Thanks dac

David A. Crosby
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233-7014

Bennett, William B (DEC)

From: Bennett, William B (DEC)
Sent: Tuesday, November 27, 2018 11:17 AM
To: Mike Feldman
Cc: Clara Sanchez; Carpenter, Kevin J (DEC)
Subject: RE: 500 Mamaroneck Avenue Harrison, NY Site No.: V00213

Dear Mike,

Your request for an extension to submit the Periodic Review Report for this site is accepted. The Periodic Review Report shall now be due by January 31, 2019.

Once scheduled, please let me know the date of your site inspection. If I have work at another site on the day chosen, I may try and join you since I've never seen the site. Thanks.

William Bennett
Professional Engineer 1
Remedial Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7014
Phone: (518) 402-9659
William.Bennett@dec.ny.gov

From: Mike Feldman <MFeldman@coneco.com>
Sent: Monday, November 26, 2018 2:52 PM
To: Bennett, William B (DEC) <william.bennett@dec.ny.gov>
Cc: Clara Sanchez <csanchez@empirestaterealtytrust.com>
Subject: 500 Mamaroneck Avenue Harrison, NY Site No.: V00213

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Bill: I am sending you this email to inform you that CONECO has not been able to perform the scheduled Site Visit in order to prepare a Site Management Periodic Review Report and IC/CEC Certification Submittal for the subject Site. The PPR was to have been completed and submitted to your office before December 4, 2018. I have been the Environmental Engineer for W&M Properties and now Empire State Realty Trust (ESRT) involved with this Site since the initial subsurface investigations were performed and the subsequent preparation and submittal of the Site Management Plans and annual Certification Submittals.

I am requesting a schedule extension of a few weeks for the submittal of the Certification for the Site as I am undergoing a medical procedure which was scheduled for January 21 and as of this morning has been moved up to tomorrow morning.
I have not been able to get out to the Site in order to prepare the Certification. I should be back in the office end of next week and able to perform the Site visit before the end of December with submittal of the Certification by the middle of January 2018.

I would appreciate any additional time you can provide in order for ESRT to comply with NY DEC regulations. Than you Mike .

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

Bennett, William B (DEC)

From: Mike Feldman <MFeldman@coneco.com>
Sent: Friday, December 07, 2018 11:29 AM
To: Bennett, William B (DEC)
Cc: Clara Sanchez; Nostaszewski@empirestaterealtytrust.com
Subject: 500 Mamaroneck Avenue Site NO. V00213

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Bill: I am scheduled to meet the Empire State Realty Trust Site Manager, Norbert Ostaszewski, to perform the Inspection/Certification of Engineering Controls including Asphalt Paved Parking lots; Vegetative Cover Areas; and External Buffer Zone on Monday December 10, 2018 a 10:00 am. We will complete the Remedy Inspection Form (Table 8-2), the NYDEC Institutional and Engineering Controls Certification Form and take pictures of the individual engineering controls and submit them with a letter report to your attention. Any questions please call or email. Thanks you Mike

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

Bennett, William B (DEC)

From: Mike Feldman <MFeldman@coneco.com>
Sent: Monday, December 10, 2018 3:26 PM
To: Clara Sanchez
Cc: Nostaszewski@empirestaterealtytrust.com; Bennett, William B (DEC)
Subject: 500 Mamaroneck Avenue

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Clara: Norbert and I completed the site walk/ compliance inspection of the Site for the IC/EC Certification this morning. The inspection was performed to comply with the Site Management Plan which is part of the NYDEC approved Remedial Action Work Plan (RAWP) prepared for the Site by ERM and approved by NYDEC on May 11, 2005. The RAP was prepared as the remedy for impacted soil at the 500 Mamaroneck Avenue property (the "Site").

The Site remedy relies on the continued maintenance of the existing engineering controls to prevent direct human contact with soil in all areas of the Site. The specific engineering controls inspected included the asphalt pavement throughout the Site (driveways and parking lots), vegetative cover east and south berms located at the limits of the pave parking lots and grassed areas located on the eastern and northeastern portions of the Site, and the external Buffer Zone, the approximately 20-acre are of the Site located to the east of the developed areas of the Site. CONECO should have a report ready for your review and subsequent submittal to NYDEC in a few weeks. Thanks Mike

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

Bennett, William B (DEC)

From: Bennett, William B (DEC)
Sent: Thursday, May 23, 2019 8:25 AM
To: Mike Feldman
Cc: Carpenter, Kevin J (DEC)
Subject: RE: 500 Mamaroneck Ave, Site No. V00213, Harrison, NY

Dear Mr. Feldman,

For the planned project described in your e-mail, the site owner will need to complete the Department's 60-Day Advance Notification of Site Change of Use form. This form is located at:

https://www.dec.ny.gov/docs/remediation_hudson_pdf/changeofuse.pdf

Following review of the Change of Use form, the Department may request additional information on the planned Change of Use. However, the general approach you discuss below is appropriate for the construction planned.

William Bennett
Professional Engineer 1

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014
P: 518-402-9659 | F: 518-402-9679| william.bennett@dec.ny.gov

www.dec.ny.gov | | |

From: Mike Feldman <MFeldman@coneco.com>
Sent: Wednesday, May 22, 2019 2:29 PM
To: Bennett, William B (DEC) <william.bennett@dec.ny.gov>
Subject: 500 Mamaroneck Ave, Site No. V00213, Harrison, NY

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good afternoon Bill. Empire State Realty Trust , Inc. (ESRT) is the owner and Certifying Party for the property located at 500 Mamaroneck Ave in Harrison. The site is improved with an office building and associated asphalt paved parking lots. The remedy for the Site consists of institutional and engineering controls. The institutional controls include a deed restriction that specifies permitted uses of the property (office building) and engineering controls such as the maintenance of the asphalt pavement over the parking lot areas to prevent direct contact with the limited residual PAH and metals constituents in the subsurface soils from the historical use of the Site by the Harrison municipal incinerator.

Presently we are submitting a PPR and associated Certification on a 5-year basis (last submitted to NYDEC in December 2018 and accepted May 7, 2019). However, the engineering controls are monitored daily.
ESRT is considering installation of solar panels in portions of the asphalt paved parking lots and potentially installation of covered parking in portions of the asphalt paved parking lots which would have solar panels on top.

Would you be able to determine if this would be allowed by NYDEC. Any installation of solar panels or covered parking that would result in penetrations through engineering controls such as the asphalt paved surfaces would be monitored by an Environmental Professional and the Health and Safety Plan included in the remedial action work plan

(RAWP) would be implemented and adhered to. In addition, any soil/material excavated and accumulated would be handled appropriately in accordance with the RAWP and NYDEC regulations.

Any guidance you could provide would be greatly appreciated. Mike

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

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V00213, 500 Mamaroneck Avenue: This is an office building built over a landfill which didn't have much contamination in it to begin with. The only engineering control is a site cover. The site is on a 5-year PRR cycle with the next PRR due in December 2023. The site contact is Mike Feldman with Coneco (consultant). Mike has been good to work with. We had a discussion late in June 2021 about a change of use for the site because the owner was thinking of installing solar panels above the site parking lot (thus having to dig foundations for the panels beneath the site cover). Mike seemed to understand the Change of Use and excavation work plan process. An e-mail regarding this discussion is attached

From: Michael Feldman
To: Bennett, William B (DEC)
Subject: Site No. V00213 : 500 Mamaroneck Ave., Harrison
Date: Tuesday, June 8, 2021 10:39:51 AM

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good afternoon Bill. The following is from an email I sent you back in May 2019.
"Empire State Realty Trust , Inc. (ESRT) is the owner and Certifying Party for the property located at 500 Mamaroneck Ave in Harrison. The site is improved with an office building and associated asphalt paved parking lots. The remedy for the Site consists of institutional and engineering controls. The institutional controls include a deed restriction that specifies permitted uses of the property (office building) and engineering controls such as the maintenance of the asphalt pavement over the parking lot areas to prevent direct contact with the limited residual PAH and metals constituents in the subsurface soils from the historical use of the Site by the Harrison municipal incinerator. Presently we are submitting a PPR and associated Certification on a 5-year basis (last submitted to NYDEC in December 2018 and accepted May 7, 2019). However, the engineering controls are monitored daily. ESRT is considering **installation of covered parking in portions of the asphalt paved parking lots which would have solar panels on top".**
Installation of solar panels on covered parking that would result in penetrations through engineering controls such as the parking lot medians and some trenching of the asphalt parking surface for electrical conduits. We would have an Environmental Professional on-Site to monitor the work. In addition, any soil/material excavated and accumulated would be handled appropriately in accordance with the RAWP and NYDEC regulations. We are getting ready to prepare a ***60-day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership.***

I would like an opportunity to briefly discuss this project to get an idea of the necessary monitoring to be conducted. Would you please provide a time that I could call you or another staff member.
Thanks Mike

NEW YORK STATE DEPARTMENT OF

ENVIRONMENTAL CONSERVATION

This Fact Sheet is to inform you about the Amended Remedial Action Work Plan for the 500 Mamaroneck Avenue site located in the Town of Harrison. If you have any questions or would like more information, please contact:

Mr. James Malcolm, P.E.
NYSDEC
625 Broadway
Albany, N.Y. 12233-7014
(518) 402-9662

For site related health questions, please contact the New York State Department of Health's representative:

Mr. Carl Obermeyer
Public Health Specialist
NYSDOH
50 North Street - Suite 2
Monticello, N.Y. 12701-1957
(845) 794-2045

For Citizen Participation questions, contact:

Mr. Michael Knipfing
Citizen Participation Specialist
NYSDEC
21 South Putt Corners Road
New Paltz, N.Y. 12561
(845) 256-3154

FACT SHEET

500 Mamaroneck Avenue: Site No. V00213-3

Proposed Amended
Remedial Action Work Plan Available
March 2005

INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC), in cooperation with the New York State Department of Health (NYSDOH) would like to inform you of a proposed change in the remedial program planned at the 500 Mamaroneck Avenue site. The site is located on the east side of Mamaroneck Avenue in the Town of Harrison. In March of 2003, the NYSDEC approved a Remedial Action Work Plan (RAWP) which outlined a cleanup plan to address residual contamination at the site. As a result of further technical review and reevaluation, the volunteer, 500 Mamaroneck Avenue Associates, has prepared an Amended RAWP. The Amended RAWP specifies the use of institutional and engineering controls to address the residual contamination at the site rather than the current cleanup plan which involves earthmoving and capping. The Amended RAWP is available for review at the document repositories listed at the end of this fact sheet.

SITE BACKGROUND

The site was previously occupied by the Town of Harrison municipal incinerator. The site was undeveloped until 1954 when the incinerator was constructed. The incinerator operated from 1954 until 1970. From 1970 until the early 1980s, the site was used as a transfer station. The construction of the current commercial office space began in 1983 with tenant occupancy beginning around 1986. Site topography changed substantially as a result of the construction activities. Approximately 340,000 cubic yards of soil and rock were removed during the site as a result of the office building development. Waste related activities included atmospheric deposition of waste from the incinerator operation, transfer station related activities, and the relocation of the surface soil during grading activities for the office space.

SITE DESCRIPTION

This site is located on the east side of Mamaroneck Avenue, approximately 2,000 feet south of Union Avenue in the Town of Harrison, Westchester County, New York. The site encompasses approximately 34.5 acres with approximately 14 acres of the site comprising of a five-story office complex. The office space includes paved parking areas covering approximately nine acres and a building foot print of approximately one and a half acres. The remaining sections of the developed portion of the site include landscaped areas. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

REMEDIAL HISTORY

Various soil and groundwater investigations were completed from 1986 to 2000. The majority of the investigation work indicated the presence of heavy metals and semi-volatile organic compounds (SVOCs) across the site in surface and shallow soils. This is consistent with the historical use of the site for incinerator operations and a transfer station. Groundwater contamination at the site is minor and not a concern. It was determined that two areas of the site required additional attention due to the present use of the site as commercial office space. The Southern Berm extends approximately 750 feet along the southern property line. The berm was constructed using on-site fill and then properly vegetated. The berm serves as a visual barrier for the adjacent residential properties. The Northwestern Section refers to a landscaped area proximate to the main entrance of the complex where residual waste material was encountered at 4 to 6 feet below grade surface.

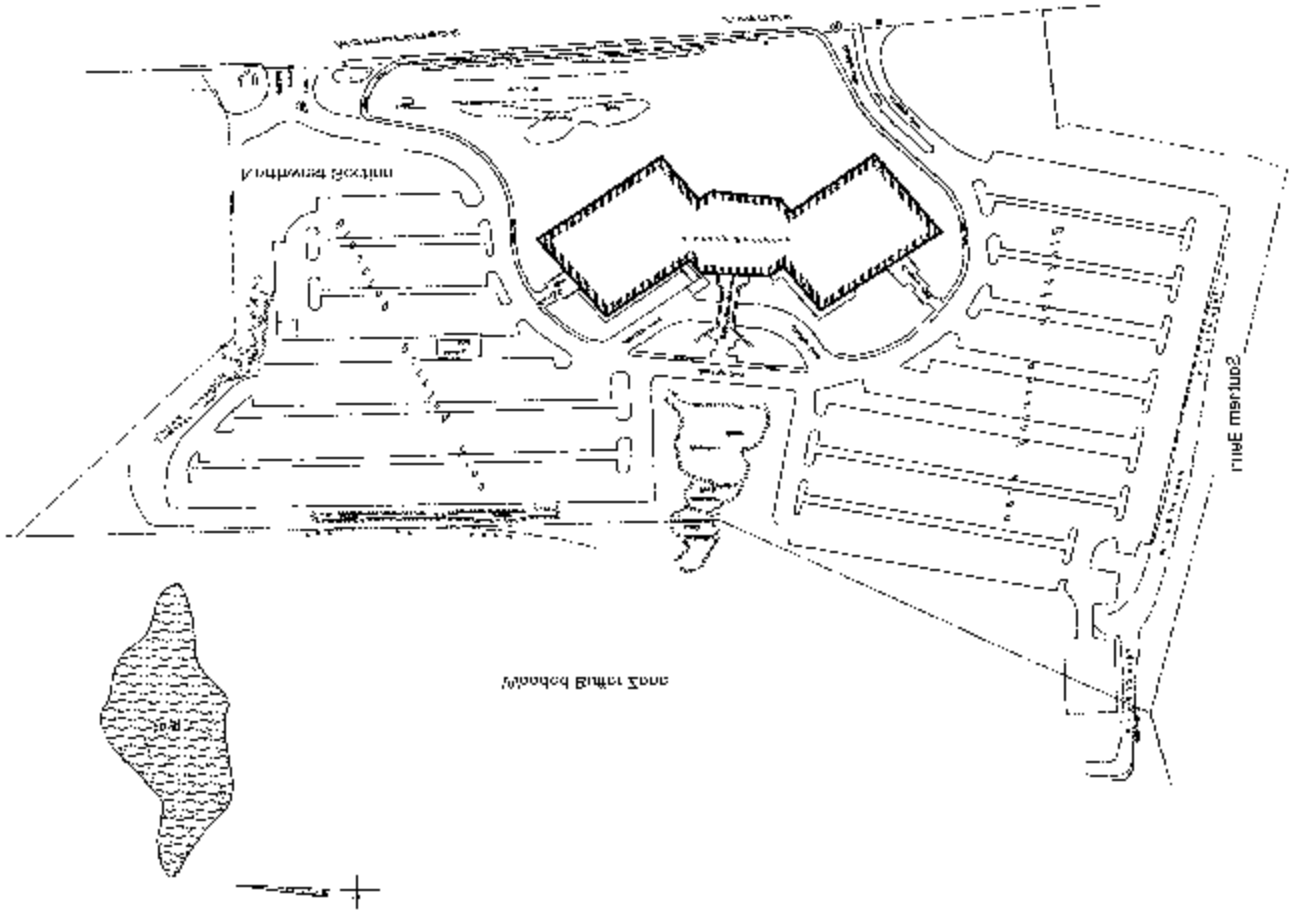
AMENDED REMEDIAL ACTION WORK PLAN

Contemplated use of the site is the continued use as commercial office space. The current deed for the site requires that the wooded area in the southern portion remain to act as a buffer zone. Use of the groundwater is prohibited except for the current use in a decorative waterfall and municipal water is provided to the site. Due to the nature of the residual contamination, the permanent stability of the vegetated cover, and the restricted physical setting of the site, the remedy will not involve earthmoving or capping but instead will provide for maintenance of the existing asphalt and landscaped areas. This will engineering controls by deed restricting the developed areas of the site and requiring the implementation of a soils management plan (SMP). The SMP will be developed to address residual soils that may be excavated from the site during future redevelopment. The plan would require soil characterization and, where applicable, disposal/reuse in accordance with NYSDEC regulations. An environmental easement will be imposed that will require compliance with the approved Site Management Plan, limit the use and development of the property to commercial or industrial uses only, prohibit the use of groundwater, and require the property owner to complete and submit an annual certification to the NYSDEC. The property owner will provide an annual certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department, that certifies that the institutional controls and engineering controls put in place are unchanged from the previous certification, and that nothing has occurred that would impair the ability of the controls to protect public health or the environment or constitute a violation or failure to comply with the Site Management Plan.

PUBLIC REVIEW AND COMMENT ON THE PROPOSED PLAN

The proposed Remedial Action Work Plan is available for public review at the NYSDEC's New Paltz office (by appointment only), the Town of Harrison Public Library located on Bruce Avenue, and at the Town/Village Municipal office at 1 Heineman Place. Written comments on the Amended Remedial Action Work Plan are welcome and will be accepted from March XX, 2005 until April XX, 2005. Comments should be directed to Mr. James Malcolm, P.E., Project Manager, NYSDEC, 625 Broadway, Albany, N.Y. 12233-7014 or at jemalcol@gw.dec.state.ny.us.

SITE MAP



REQUESTS TO TRANSITION FROM VOLUNTARY CLEANUP PROGRAM TO BROWNFIELD CLEANUP PROGRAM

Site Name		Site No.
Hunters Point (Queens West) Waterfront Development Project Parcel 9	C 241087	V-00194
Hunters Point (Queens West) Waterfront Development Project, Parcel 8		V-00194
Coral Graphics, Inc. # C 130115		V-00383-1
Tarrytown Former MGP Site # C 360 064		V-00167-03
New York Express Dry Cleaners ~~# C 314109~~ # C 241 050		V-00199-2
Former Poughkeepsie STP # C 314109		V-00639-3
Former Temco Uniforms Site # C 344054	Inactive Hazardous Waste site	V-00626-3 #3-44-054 ~~C 344059~~
~~Rockland Fuel~~ ?	Hewlett Harbors C 344060	V-00646-3
Former Hudson Wire Company (The Wire Mill) # C 360065		V-0021~~A~~0-3
Former Thypin Steel, Inc. (Manorhaven, LLC) # C 130119		V-00336-1
Former ACCO Brands Inc.	C 241061	V-00331
Belle Harbor Shopping Center (A&P)	C 241048	V-00490-2 OK C-241048
Beacon Terminal Site	C 314107	V-00443-3 OK C-314107
KeySpan/Hempstead AKA Hale Site (Incomplete)		
500 Mamaroneck Avenue	C 360063	V-00212-3 OK C360063

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9621 • **FAX:** (518) 402-9022
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

October 23, 2003

Mr. Gregory K. Shkuda, Ph.D.
Environmental Resources Management
50 Broad Hollow Road
Suite 210
Melville, New York 11747

RE: **500 Mamaroneck Avenue Site**
Site Number V-00213-3
Certification of Fill Material

Dear Mr. Shkuda,

As a follow up to our telephone conversation on October 21, 2003, the Department is hereby requesting that you provide us with a plan for confirming that the fill, which will be imported to the site as part of the remedy, is not contaminated. This should be demonstrated through analysis of an adequate number of representative samples, as well as documentation of the source of the material from the supplier.

Please provide this plan for our review at your earliest convenience, and prior to emplacing the fill. If you have any questions, please contact me at (518) 402-9620 or kjcarpen@gw.dec.state.ny.us .

Sincerely,

Kevin Carpenter, P.E.
Senior Environmental Engineer
Project Manager

c: Robert Osar, Esq.
G. Bobersky/K. Carpenter/Edocs/file

ec: R. Rusinko, NYSDEC, DEE

REQUESTS TO TRANSITION FROM VOLUNTARY CLEANUP PROGRAM TO BROWNFIELD CLEANUP PROGRAM

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Hunters Point (Queens West) Waterfront Development Project Parcel 9	C 241087	V-00194
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Former Poughkeepsie STP # C 314109		V-00639-3
Former Temco Uniforms Site # C 344054	Inactive Hazardous Waste site	V-00626-3 #3-44-054 ~~C 344059~~
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Former Hudson Wire Company (The Wire Mill) # C 360065		V-0021~~A~~0-3
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Belle Harbor Shopping Center (A&P)	C 241048	V-00490-2 OK C-241048
Beacon Terminal Site	C 314107	V-00443-3 OK C-314107
KeySpan/Hempstead AKA Hale Site (Incomplete)		
500 Mamaroneck Avenue	C 360063	V-00212-3 OK C360063

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7010
Phone: (518) 402-9662 • **FAX:** (518) 402-9679
Website: www.dec.state.ny.us

Denise M. Sheehan
Acting
Commissioner

May 10, 2005

Mr. Robert L. Osar, Esq.
Cuddy & Feder
90 Maple Avenue
White Plains, New York 10601-5196

RE: 500 Mamaroneck Avenue
Site No. V00213-3
Harrison (V), New York
Westchester County

Dear Mr. Osar:

The Department has completed its review of the Remedial Action Work Plan (RAWP) for the subject site. Based upon the information and representations given in the *Remedial Action Work Plan, 500 Mamaroneck Avenue, Harrison, New York*, dated January 2005 as prepared by ERM and the previously approved Site Investigation Report (revised and dated June 2002), the RAWP is hereby approved.

The RAWP requires the preparation of a site management plan (SMP) for the site. The Department is requiring the submittal of these documents within 60 days of receipt of this letter. Ms. Rosalie Rusinko, Esq. should be contacted at (914) 332-1835, extension 315, regarding the Environmental Easement Document. Mr. Jamie Malcolm, P.E. of my staff can be contacted at (518) 402-9669 regarding questions on the SMP.

Sincerely,

Robert W. Schick

Robert W. Schick, P.E.
Director
Remedial Bureau C
Division of Environmental Remediation

cc: R. Rusinko, Esq. - NYSDEC
C. Obermeyer/M. Rivara - NYSDOH
C. Weber/G. Shkuda - ERM

J. Malcolm/file (V00110-3)

bec: R. Pergadia - NYSDEC
D. Crosby - NYSDEC
B. Humphrey - NYSDEC

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, 12th Floor
625 Broadway, Albany, New York 12233-7012
Phone: (518) 402-9764 • **FAX:** (518) 402-9020
Website: www.dec.state.ny.us

Denise M. Sheehan
Acting Commissioner

AUG 1 - 2005

Certified Mail
Return Receipt Requested

Robert Osar, Esq.
Cuddy & Feder & Worby
90 Maple Avenue
White Plains, NY 10601

Re: 500 Mamaroneck Avenue
Site No.: V00213-3
Volunteer: 500 Mamaroneck Avenue Associates
Voluntary Cleanup Agreement No.: W3-0851-99-05
Effective Date: April 13, 2000
Bill No.: 2

Dear Mr. Osar:

Enclosed is a summary of costs incurred by New York State for activities performed as outlined in the above referenced Voluntary Cleanup Agreement (the "Agreement"). In accordance with Paragraph VI of the Agreement, the New York State Department of Environmental Conservation is requesting payment in the amount of $14,380.93 within 30 days from receipt of this letter.

To ensure proper credit, please remit a copy of the cost summary (Exhibit I) with your payment. The check should be made payable to the New York State Department of Environmental Conservation and sent to the address below:

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
625 Broadway, 12th Floor
Albany, NY 12233-7012
Attn: Donna Weigel, Bureau Director

The summary includes expenditures for this site from March 27, 2003 through March 23, 2005. The cost summary is documented by the enclosed exhibits. However, if you have any questions on the enclosed information, please contact Susan Bolesky at (518) 402-9732.

Thank you for your attention to this matter.

Sincerely,

Donna Weigel

Donna Weigel
Bureau Director
Bureau of Program Management
Division of Environmental Remediation

Enclosure

c: Thomas Julius
Shulman Realty
500 Mamaroneck Avenue
Harrison, NY 10528

Greg Shkuda
520 Broad Hollow Rd
Suite 210
Melville, NY 11747

500 Mamaroneck Avenue, L.P. and Viviane Paris, LLC
c/o Thomas Durels
W&M Properties
Metro Center - One Station Plaza
Stamford, CT 06902

Joel Sachs, Esq.
Keane & Beane, P.C.
One North Broadway
White Plains, NY 10601

bc: DEE, Eastern Field Unit, Tarrytown
S. Chalke
J. Malcolm
D. Evans
CR file

C:\Documents and Settings\daevans\My Documents\Deb E CR files\V00213-3 Mamaroneck bill 2.wpd

EXHIBIT I

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
BUREAU OF PROGRAM MANAGEMENT

COST SUMMARY

SITE NAME:	500 Mamaroneck Avenue
SITE NO.:	V00213-3
ORDER/AGREEMENT NO.:	W3-0851-99-05
BILL NO.:	2

COST CATEGORY	AMOUNTS	EXHIBIT NO.
DIRECT PERSONAL SERVICES	$6,765.35	
FRINGE	$2,585.20	
INDIRECT	$3,310.20	
PERSONAL SERVICES SUBTOTAL	*$12,660.75*	II
CONTRACTUAL	$0.00	
LABS	$0.00	
TRAVEL	$0.00	
OTHER NPS	$0.00	
DEC SUBTOTAL	*$12,660.75*	
DOH	$1,720.18	III
MINUS DOH CREDIT FROM PREVIOUS BILL (IF APPLICABLE)	$0.00	
MINUS PREVIOUSLY REIMBURSED AMOUNT (IF APPLICABLE)	$0.00	
DEC & DOH SUBTOTAL	*$14,380.93*	
COST CAP (IF APPLICABLE)	$0.00	
TOTAL	**$14,380.93**	

New York State Department of Environmental Conservation
Bureau of Federal and Municipal Accounts
Time & Activity Detail Report

EXHIBIT II

**

*Time & Activity Code : D172

T&A Period	T&A Code	Description	Item No.	Payroll Header (Cost Center)	Name	Title	Progm & Loc Code	Average Biweekly Salary	Time Hours	Amount (Including Leave)
04/23/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2350.14	31.25	1184.09
04/23/2003	D172	VC 3-60 500 MAMAR	47043	430221 L2 03	BOBERSKY, GUY T	ENVIRNL ENGINEER 3	QD/00	2866.38	1.00	44.43
04/23/2003	D172	VC 3-60 500 MAMAR	15185	208894 03	HEITZMAN, GEORGE W	ENVIRNL ENGINEER 2	QE/00	3878.95	0.50	31.27
04/23/2003	D172	VC 3-60 500 MAMAR	47660	430116 L2 03	RUSINKO, ROSALIE KOLB	SENR ATTORNEY	CC/00	2815.39	0.50	22.28
05/21/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2350.14	1.00	35.74
06/18/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2350.14	2.00	72.74
07/16/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2350.14	0.50	18.57
08/13/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2350.14	0.50	18.75
08/13/2003	D172	VC 3-60 500 MAMAR	47660	430116 L2 03	RUSINKO, ROSALIE	SENR ATTORNEY	CC/00	2815.39	1.00	45.31
09/10/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2350.14	3.00	112.91
09/10/2003	D172	VC 3-60 500 MAMAR	47660	430116 L2 03	RUSINKO, ROSALIE	SENR ATTORNEY	CC/00	2815.39	2.00	88.40
10/08/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2385.01	8.00	306.03
11/05/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2419.87	11.50	442.70
11/05/2003	D172	VC 3-60 500 MAMAR	47043	430221 L2 03	BOBERSKY, GUY	ENVIRNL ENGINEER 3	QD/00	2946.02	2.00	93.58
11/05/2003	D172	VC 3-60 500 MAMAR	47660	430116 L2 03	RUSINKO, ROSALIE	SENR ATTORNEY	CC/00	2815.39	7.50	338.68
12/03/2003	D172	VC 3-60 500 MAMAR	47043	430221 L2 03	BOBERSKY, GUY	ENVIRNL ENGINEER 3	QD/00	2946.02	1.00	47.18
12/03/2003	D172	VC 3-60 500 MAMAR	47159	430221 L2 03	CANDILORO, JAMES	ENVIRNL ENGINEER 1	QF/00	1971.69	2.00	42.99
12/03/2003	D172	VC 3-60 500 MAMAR	47660	430116 L2 03	RUSINKO, ROSALIE	SENR ATTORNEY	CC/00	2815.39	12.00	541.89
12/31/2003	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2419.87	1.50	57.27
12/31/2003	D172	VC 3-60 500 MAMAR	47660	430116 L2 03	RUSINKO, ROSALIE	SENR ATTORNEY	CC/00	2815.39	10.50	456.76
01/28/2004	D172	VC 3-60 500 MAMAR	47076	430221 L2 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2419.87	1.00	38.81
01/28/2004	D172	VC 3-60 500 MAMAR	47660	430116 L2 03	RUSINKO, ROSALIE	SENR ATTORNEY	CC/00	2815.39	1.50	67.74
03/24/2004	D172	VC 3-60 500 MAMAR	47076	430221 L6 03	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2419.87	1.25	45.22
03/24/2004	D172	VC 3-60 500 MAMAR	47660	430116 L6 03	RUSINKO, ROSALIE	SENR ATTORNEY	CC/00	2815.39	6.50	291.09
04/21/2004	D172	VC 3-60 500 MAMAR	47076	430221 L6 04	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2426.52	0.25	9.17

New York State Department of Environmental Conservation
Bureau of Federal and Municipal Accounts
Time & Activity Detail Report

T&A Period	T&A Code	Description	Item No.	Payroll Header (Cost Center)	Name	Title	Progm & Loc Code	Average Biweekly Salary	Time Hours	Amount (Including Leave)
**										
*Time & Activity Code :	D172									
05/19/2004	D172	VC 3-60 500 MAMAR	47076	430221 L6 04	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2426.52	1.50	55.89
06/16/2004	D172	VC 3-60 500 MAMAR	47076	430221 L6 04	CARPENTER, KEVIN	ENVIRNL ENGINEER 2	QD/00	2426.52	0.25	9.64
09/08/2004	D172	VC 3-60 500 MAMAR	47502	430221 L6 04	MALCOLM, JAMES	ENVIRNL ENGINEER 1	QF/00	1917.68	15.25	455.50
10/06/2004	D172	VC 3-60 500 MAMAR	47502	430221 L6 04	MALCOLM, JAMES	ENVIRNL ENGINEER 1	QF/00	1917.68	16.75	501.92
12/01/2004	D172	VC 3-60 500 MAMAR	47075	430221 L6 04	MALCOLM, JAMES	ENVIRNL ENGINEER 2	QF/00	2996.44	7.50	354.68
12/29/2004	D172	VC 3-60 500 MAMAR	47075	430221 L6 04	MALCOLM, JAMES	ENVIRNL ENGINEER 2	QF/00	2200.52	1.00	34.40
01/26/2005	D172	VC 3-60 500 MAMAR	47075	430221 L6 04	MALCOLM, JAMES	ENVIRNL ENGINEER 2	QF/00	2200.52	3.75	131.97
02/23/2005	D172	VC 3-60 500 MAMAR	47075	430221 L6 04	MALCOLM, JAMES	ENVIRNL ENGINEER 2	QF/00	2200.52	2.50	88.10
03/23/2005	D172	VC 3-60 500 MAMAR	47075	430221 L6 04	MALCOLM, JAMES	ENVIRNL ENGINEER 2	QF/00	2200.52	17.00	591.30
* Subsubtotal *									175.25	6677.00
*Time & Activity Code :	N399									
07/14/2004	N399	C 3-60 500 MAMARON	47517	430221 L6 04	CROSBY, DAVID	ENVIRNL ENGINEER 3	QF/00	2794.35	2.00	88.35
* Subsubtotal *									2.00	88.35
** Subtotal **									177.25	6765.35
*** Total ***						*** Total ***			177.25	6765.35

Calculated Fringe Benefits Costs	2,585.20
Calculated Indirect Overhead Costs	3,310.20
Total T&A Costs plus Fringe and Indirect	12,660.75

EXHIBIT III

New York State Department of Health
Cost Recovery
500 Mamaroneck Avenue
(V002133)

Fiscal Year 03/04	Personal Services	$350.98
	Fringe @ 36.24%	$127.20
	Indirect*	$86.36
Fiscal Year 04/05	Personal Services	$683.53
	Fringe @ 41.99%	$287.01
	Indirect*	$185.10
Travel Costs		$0.00
	Total:	**$1,720.18**

* Indirect amount is calculated per DOH policy as follows:
(Personal Services + (Personal Services x Federal Fringe Rate)) x Indirect Rate

Rates are as follows:

	Federal Fringe Rate	Indirect Rate
FY 90/91	21.94%	18.10%
FY 91/92	19.14%	18.10%
FY 92/93	27.19%	28.50%
FY 93/94	30.04%	25.70%
FY 94/95	27.41%	25.70%
FY 95/96	28.08%	24.60%
FY 96/97	29.21%	25.00%
FY 97/98	31.00%	24.20%
FY 98/99	25.67%	25.60%
FY 99/00	29.16%	27.40%
FY 00/01	30.60%	21.60%
FY 01/02	31.61%	20.90%
FY 02/03	34.37%	18.70%
FY 03/04	35.94%	18.10%
FY 04/05	40.31%	19.30%

July 11, 2005
2:42 PM

OK
ML

New York State Department of Health
CEH Leave and Accrual Tracking Report
Site Cost Recovery Report Ordered by Pay End Date
(V002133) 500 MAMARONECK AVENUE
For the period April 1, 2003 thru March 31, 2005

Fiscal Year	Pay End Date	Hours	Amount	Employee
2003	04/09/2003	1.00	$14.24	Radliff, Patricia J
2003	04/09/2003	5.50	$127.44	Selmer, Stephanie L
2003	04/23/2003	1.50	$54.57	Olm, John M
2003	04/23/2003	3.00	$69.51	Selmer, Stephanie L
2003	03/24/2004	2.00	$85.22	Olm, John M
Total Hours and Cost		13.00	$350.98	
2004	09/08/2004	4.00	$94.00	Callaghan, Bridget K
2004	09/08/2004	3.50	$64.72	Obermeyer, Carl
2004	09/08/2004	2.50	$113.98	Rivara, Michael F
2004	09/22/2004	1.00	$45.59	Rivara, Michael F
2004	10/06/2004	1.25	$34.88	Callaghan, Bridget K
2004	10/06/2004	2.00	$103.90	Rivara, Michael F
2004	10/20/2004	.75	$20.93	Callaghan, Bridget K
2004	10/20/2004	3.50	$181.83	Rivara, Michael F
2004	02/09/2005	.25	$6.10	Callaghan, Bridget K
2004	03/09/2005	1.00	$17.60	Radliff, Patricia J
Total Hours and Cost		19.75	$683.53	
Total For Entire Period		32.75	$1,034.51	

New York State Department of Health
Bi-weekly Salary Report
(V002133) 500 Mamaroneck Avenue
For the period April 1, 2003 thru March 31, 2005

2/9/2005	$1,662.16	Callaghan	Bridget	K	PUBLIC H SP 2 ENVIRM
10/20/2004	$1,621.61	Callaghan	Bridget	K	PUBLIC H SP 2 ENVIRM
10/6/2004	$1,566.84	Callaghan	Bridget	K	PUBLIC H SP 2 ENVIRM
9/8/2004	$1,566.84	Callaghan	Bridget	K	PUBLIC H SP 2 ENVIRM
9/8/2004	$1,325.16	Obermeyer	Carl		JR ENGNR
3/24/2004	$2,455.68	Olm	John	M	PUBLIC H SP 3 ENVIRM
4/23/2003	$2,455.68	Olm	John	M	PUBLIC H SP 3 ENVIRM
3/9/2005	$1,173.31	Radliff	Patricia	J	SECRETARY 1
4/9/2003	$984.92	Radliff	Patricia	J	KEYBOARD SPEC 2
10/20/2004	$3,025.79	Rivara	Michael	F	PUBLIC H SP 4 ENVIRM
10/6/2004	$3,025.79	Rivara	Michael	F	PUBLIC H SP 4 ENVIRM
9/22/2004	$3,025.79	Rivara	Michael	F	PUBLIC H SP 4 ENVIRM
9/8/2004	$3,025.79	Rivara	Michael	F	PUBLIC H SP 4 ENVIRM
4/23/2003	$1,617.18	Selmer	Stephanie	L	RESCH SCIENT 1
4/9/2003	$1,617.18	Selmer	Stephanie	L	RESCH SCIENT 1

Elissa

New York State Department of Environmental Conservation
Deputy Commissioner & General Counsel
Office of General Counsel, 14th Floor
625 Broadway, Albany, New York 12233-1500
Phone: (518) 402-2794 • **FAX:** (518) 402-8541
Website: www.dec.state.ny.us

Denise M. Sheehan
Commissioner

May 25, 2006

500 Mamaroneck Avenue Associates
% Schluman Realty
500 Mamaroneck Avenue
Harrison, New York 10525

Attention: Douglas A. Ramsay

Release and Covenant Not to Sue

Unless otherwise specified in this letter, all terms used in this letter shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates ("Volunteer"), Index No.W3-0851-99-05 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's Work Plan, covering the remediation of the Site, located at 500 Mamaroneck Avenue in the Town of Harrison, State of New York, Tax Map Tax Block, 482 and lot no. 8, has been successfully implemented.

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer, Volunteer's partners and Volunteer's insurer to the extent of Volunteer's liability at the Site, and Volunteer's lessees and sublessees and Volunteer's successors and assigns and their respective secured creditors, for the further investigation and remediation of the Site, and for natural resources damages, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate notices and deed restrictions have been recorded in accordance with Paragraphs IX and X of the Agreement, and (c) Volunteer and/or Volunteer's lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any. Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to any further investigation or remedial action the Department deems necessary:

- due to off-Site migration of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of the Work Plan disclosed the existence or potential existence of such off-Site migration;

- due to environmental conditions related to the Site that were unknown to the Department at the time of its approval of the Work Plan which indicate that Site conditions are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to information received, in whole or in part, after the Department's approval of the final engineering report, which indicates that the activities carried out in accordance with the Work Plan are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to Volunteer's failure to implement the Agreement to the Department's satisfaction; or

- due to fraud committed, or mistake made, by Volunteer in demonstrating that the Site-specific cleanup levels identified in, or to be identified in accordance with, the Work Plan were reached.

Additionally, the Department and the Trustee hereby reserve all of their respective rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to:

- Volunteer if Volunteer causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination; or if Volunteer causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to

- any of Volunteer's lessees, sublessees, successors, or assigns who causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination, after the effective date of the Agreement; who causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; or who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in Subparagraph I.G of the Agreement and in this letter, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

- nothing contained in this letter shall prejudice any rights of the Department or Trustee to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination or Covered Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

DENISE M. SHEEHAN, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION AND
TRUSTEE OF NEW YORK STATE'S
NATURAL RESOURCES

By: _____
James H. Ferreira
Deputy Commissioner and General Counsel

cc:	Donna Weigle	(via groupwise)
	P. David Smith	"
	Ram Pergadia	"
	Rosalie Rusinko	"
	Elissa Armater	"

New York State Department of Environmental Conservation
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway, Albany, New York 12233-1500
Phone: (518) 402-2794 • **FAX**: (518) 402-8541
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

RECEIVED
JUN 0 4 2007
Bureau C
Division of Environmental Enforcement

500 Mamaroneck Avenue Associates
% Schluman Realty
500 Mamaroneck Avenue
Harrison, New York 10525

Re: 500 Mamaroneck Ave. VCP Site No. V00213,
Mamaroneck Avenue Associates ("Volunteer"),
Agreement Index No.W3-0851-99-05

Attention: Douglas A. Ramsay

Release and Covenant Not to Sue

Unless otherwise specified in this letter, all terms used in this letter shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates ("Volunteer"), Index No.W3-0851-99-05 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's Work Plan, covering the remediation of the Site, located at 500 Mamaroneck Avenue in the Town of Harrison, State of New York, Tax Map Tax Block, 482 and lot no. 8, has been successfully implemented.

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer, Volunteer's partners and Volunteer's insurer to the extent of Volunteer's liability at the Site, and Volunteer's lessees and sublessees and Volunteer's successors and assigns and their respective secured creditors, for the further investigation and remediation of the Site, and for natural resources damages, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate notices and deed restrictions have been recorded in accordance with Paragraphs IX and X of the Agreement, and (c) Volunteer and/or Volunteer's lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any. Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to any further investigation or remedial action the Department deems necessary:

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- except as provided in Subparagraph I.G of the Agreement and in this letter, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

- nothing contained in this letter shall prejudice any rights of the Department or Trustee to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination or Covered Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

ALEXANDER B. GRANNIS, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION AND
TRUSTEE OF NEW YORK STATE'S
NATURAL RESOURCES

By: _____
Deborah Christian, Acting Chief
Bureau of Superfund and Brownfield Restoration

DC/mjl:264240

cc: D. Crosby
R. Schick
R. Pergadia
C. Obermeyer, NYSDOH
D. Weigel
E. Armater
R. Rusinko

Robert Osar, Esq.
Cuddy & Feder & Worby
90 Maple Avenue
White Plains, NY 10601

500 Mamaroneck Avenue, L.P. and Viviane Paris, LLC
% Thomas Durels
W & M Properties of New York, L.L.C.
60 East 42nd Street, 26th Floor
New York, NY 10165

Joel Sachs, Esq.
Keane & Beane, P.C.
445 Hamilton Avenue
White Plains, NY 10601

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, 12th Floor
625 Broadway, Albany, New York 12233-7012
Phone: (518) 402-9764 • **FAX:** (518) 402-9020
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

SEP 12 2007

Robert Osar, Esq.
Cuddy & Feder LLP
90 Maple Avenue
White Plains, NY 10601-5196

Re: 500 Mamaroneck Avenue
Site No.: V00213-3
Volunteer: 500 Mamaroneck Avenue Associates
Voluntary Cleanup Agreement No.: W3-0851-99-05
Effective Date: April 13, 2000
Bill No.: 3

Dear Mr. Osar:

Enclosed is a summary of costs incurred by New York State for activities performed as outlined in the above referenced Voluntary Cleanup Agreement (the "Agreement"). In accordance with Paragraph VI of the Agreement, the New York State Department of Environmental Conservation is requesting payment in the amount of $2,475.38 within 30 days from receipt of this letter.

To ensure proper credit, please remit a copy of the cost summary (Exhibit I) with your payment. The check should be made payable to the New York State Department of Environmental Conservation and sent to the address below:

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management
625 Broadway, 12th Floor
Albany, NY 12233-7012
Attn: Donna Weigel, Bureau Director

The summary includes expenditures for this site from March 24, 2005 through April 4, 2007. The cost summary is documented by the enclosed exhibits. However, if you have any questions on the enclosed information, please contact me at (518) 402-9736.

Thank you for your attention to this matter.

Sincerely,

Laura Zeppetelli
Chief
Cost Recovery Section
Bureau of Program Management
Division of Environmental Remediation

Enclosure

c: Mr. Thomas Julius
Shulman Realty
500 Mamaroneck Avenue
Harrison, NY 10528

Mr. Greg Shkuda
520 Broad Hollow Road
Suite 210
Melville, NY 11747

500 Mamaroneck Avenue, L.P. and Viviane Paris, LLC
c/o Thomas Durels
W&M Properties
Metro Center - One Station Plaza
Stamford, CT 06902

Joel Sachs, Esq.
Keane & Beane, P.C.
445 Hamilton Avenue
White Plains, NY 10601

EXHIBIT I
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management

Cost Summary

Site Name: 500 Mamaroneck Avenue
Site No.: V00213
Order/Agreement No.: W3-0851-99-05
Bill No.: 3

Cost Category		Amounts	Exhibit No.
DEC Direct Personal Services	03/24/2005 to: 04/04/2007	$955.25	
Fringe		$433.13	
Indirect		$441.67	
Personal Services Subtotal		*$1,830.05*	II
Contractual		$0.00	
Other Non-Personal Service		$0.00	
Non-Personal Service Subtotal		*$0.00*	
DEC Total		$1,830.05	
DOH Total		$645.33	III
DEC & DOH Grand Total		**$2,475.38**	

Cost Query of the Leave and Accrual Tracking System (LATS)

EXHIBIT II

Consent Order/Agreement Number: W3-0851-99-05

Task Code: D172 Description: V00213-3 500 Mamaroneck Ave.

Pay Period	Pay Period Dates	Check Date	Cost Center	Variable	Budget Year	Employee	Title Description	Work Location Code	Work Location Description	Billable Hourly Rate	State Fringe	State Indirect	Hours	Cost
2004 /27	03/24/2005 - 04/06/2005	04/20/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	34.39	7.22	8.38	0.50	17.20
2005 /1	04/07/2005 - 04/20/2005	05/04/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	36.70	16.60	17.17	1.00	36.70
2005 /2	04/21/2005 - 05/04/2005	05/18/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	37.92	51.47	53.24	3.00	113.76
2005 /3	05/05/2005 - 05/18/2005	06/01/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	37.92	51.47	53.24	3.00	113.76
2005 /4	05/19/2005 - 06/01/2005	06/15/2005	430116	L6	2005	Rusinko, Rosalie K.	Senr Attorney	318351	R3 - Tarrytown Sub-Office	45.28	40.97	42.38	2.00	90.56
2005 /5	06/02/2005 - 06/15/2005	06/29/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	36.58	16.55	17.12	1.00	36.58
2005 /6	06/16/2005 - 06/29/2005	07/13/2005	430116	L6	2005	Rusinko, Rosalie K.	Senr Attorney	318351	R3 - Tarrytown Sub-Office	47.47	16.11	16.66	0.75	35.60
2005 /7	06/30/2005 - 07/13/2005	07/27/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	36.12	16.34	16.90	1.00	36.12
2005 /8	07/14/2005 - 07/27/2005	08/10/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	37.92	51.47	53.24	3.00	113.76
2005 /8	07/14/2005 - 07/27/2005	08/10/2005	430116	L6	2005	Rusinko, Rosalie K.	Senr Attorney	318351	R3 - Tarrytown Sub-Office	47.47	21.48	22.22	1.00	47.47
2005 /9	07/28/2005 - 08/10/2005	08/24/2005	430221	L6	2005	Malcolm, James	Envirnl Engineer 2	615127	Central Office - 625 Broadway	37.92	17.16	17.75	1.00	37.92
2005 /20	12/29/2005 - 01/11/2006	01/25/2006	430116	L6	2005	Rusinko, Rosalie K.	Senr Attorney	318351	R3 - Tarrytown Sub-Office	49.05	5.55	5.74	0.25	12.26
2006 /15	10/19/2006 - 11/01/2006	11/15/2006	430221	L6	2006	Crosby, David	Envirnl Engineer 3	615127	Central Office - 625 Broadway	52.26	95.76	93.30	4.00	209.04
2006 /22	01/25/2007 - 02/07/2007	02/21/2007	430221	L6	2006	Crosby, David	Envirnl Engineer 3	615127	Central Office - 625 Broadway	54.52	24.98	24.33	1.00	54.52
									Subtotal of Task Charges from: 3/24/2005 to: 04/04/2007		*433.13*	*441.67*	*22.50*	*955.25*
									Subtotal of Agreement Charges 3/24/2005 to: 04/04/2007		**433.13**	**441.67**	22.50	**955.25**

Grand Total of Agreement Personal Service Charges: 1,830.05

New York State Department of Health
Cost Recovery
500 Mamaroneck Avenue
(V002133)

Fiscal Year 05/06	Personal Services	$22.58
Mar 24, 2005-Mar 31, 200	Fringe @ 45.24%	$10.22
	Indirect*	$6.58
Fiscal Year 06/07	Personal Services	$346.44
Apr 1, 2006-Apr 4, 2007	Fringe @ 45.81%	$158.70
	Indirect*	$100.81
Travel Costs		$0.00
Laboratory Costs		$0.00
	Total:	**$645.33**

* Indirect amount is calculated per DOH policy as follows:
(Personal Services + (Personal Services x Federal Fringe Rate)) x Indirect Rate

Rates are as follows:

	Federal Fringe Rate	Indirect Rate
FY 90/91	21.94%	18.10%
FY 91/92	19.14%	18.10%
FY 92/93	27.19%	28.50%
FY 93/94	30.04%	25.70%
FY 94/95	27.41%	25.70%
FY 95/96	28.08%	24.60%
FY 96/97	29.21%	25.00%
FY 97/98	31.00%	24.20%
FY 98/99	25.67%	25.60%
FY 99/00	29.16%	27.40%
FY 00/01	30.60%	21.60%
FY 01/02	31.61%	20.90%
FY 02/03	34.37%	18.70%
FY 03/04	35.94%	18.10%
FY 04/05	40.31%	19.30%
FY 05/06	45.03%	20.10%
FY 06/07	43.34%	20.30%

August 9, 2007
10:42 AM

New York State Department of Health
CEH Leave and Accrual Tracking Report
Site Cost Recovery Report Ordered by Pay End Date
(V002133) 500 MAMARONECK AVENUE
For the period March 24, 2005 thru April 4, 2007

Fiscal Year	Pay End Date	Hours	Rate	Amount	Employee
2005	07/27/2005	.50	$45.16	$22.58	Rafferty, Lani D
Total Hours and Cost		0.50		$22.58	
2006	03/21/2007	6.50	$30.94	$201.11	Obermeyer, Carl
2006	04/04/2007	3.00	$30.94	$92.82	Obermeyer, Carl
2006	04/04/2007	1.00	$52.51	$52.51	Rivara, Michael F
Total Hours and Cost		10.50		$346.44	
Total For Entire Period		11.00		$369.02	

New York State Department of Health
Bi-weekly Salary Report
(V002133) 500 Mamaroneck Avenue
For the period March 24, 2005 thru April 4, 2007

4/4/2007	$1,951.28	Obermeyer	Carl		ASSNT SANI ENGR
3/21/2007	$1,951.28	Obermeyer	Carl		ASSNT SANI ENGR
7/27/2005	$2,641.42	Rafferty	Lani	D	HEALTH PROG ADMR 1
4/4/2007	$3,338.43	Rivara	Michael	F	PUBLIC H SP 4 ENVIRM

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Technical Support, 11th Floor
625 Broadway, Albany, New York 12233-7020
Phone: (518) 402-9553 **Fax:** (518) 402-9595
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

11/4/2008

Site Management Periodic Review 45-Day Reminder Notice

Mr. Gerrit T. Blauvelt, W&M Properties
200 First Stamford Place
Stamford, CT 06902

Site Name: 500 Mamaroneck Avenue
Site No.: V00213
Site Address: 500 Mamaroneck Avenue
Harrison, NY 10528

This is a reminder that a Periodic Review Report (PRR) must be submitted by you, the owner or Remedial Party, to the New York State Department of Environmental Conservation (Department), by Wednesday, October 15, 2008. The PRR documents compliance with the Site Management Plan, and also includes a signed and completed Institutional and Engineering Controls (IC/EC) Certification Form (See Enclosure 1). Periodic certification, indicating that all ICs / ECs at a site are in-place and effective, is mandated by various statutory and/or regulatory authorities under the New York Environmental Conservation Law and its implementing regulations (See Enclosure 2).

Only one PRR, including one IC/EC Certification, is to be submitted for a site. Hence, if a site is comprised of multiple properties or parcels, then you, as the owner or Remedial Party, shall arrange to submit one consolidated PRR.

Please refer to Enclosure 2 for instructions to complete the IC/EC Certification Form, and to determine if the IC/EC Certifications page needs to be signed by a registered Professional Engineer or another Qualified Environmental Professional. In order to verify current IC/ECs, you may access the Environmental Site Remediation Database, which includes IC/EC details, and site information such as site summaries, the name(s) of the site / property owner(s), the location, and status of the site, at **http://www.dec.ny.gov/cfmx/extapps/derfoil/index.cfm.**

Note that this form must be submitted even if an IC/EC cannot be certified; however, the Periodic Review process will not be considered complete until all necessary corrective measures are conducted, and all controls are certified.

If you have any questions, or need additional forms, please contact David Crosby, Project Manager at 518-402-9662 .

Enclosures

ec: David Crosby, Project Manager
Bob Schick, Bureau Director
Edward Moore, Hazardous Waste Remediation Engineer, Region 3
Gary Litwin, DOH

cc: W&M Properties Of Connecticut, Inc

Enclosure 1
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00213**

Site Name **500 Mamaroneck Avenue**

Site Address: 500 Mamaroneck Avenue Zip Code: 10528

City/Town: Harrison

County: Westchester

Current Use:

Intended Use: Industrial

Verification of Site Details

		Box 2 YES	Box 2 NO
1.	Are the Site Details above, correct?	☐	☐
	If NO, are changes handwritten above or included on a separate sheet? ☐		
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment since the initial/last certification? ☐	☐	
	If YES, is documentation or evidence that documentation has been previously submitted included with this certification? ☐		
3.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property since the initial/last certification? ☐	☐	
	If YES, is documentation or evidence that documentation has been previously submitted included with this certification? ☐		
4.	Has a change-of-use occurred since the initial/last certification? ☐	☐	
	If YES, is documentation or evidence that documentation has been previously submitted included with this certification? ☐		
5.	For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in the Qualitative Exposure Assessment for offsite contamination are no longer valid ? ☐	☐	
	If YES, is the new information or evidence that new information has been previously submitted included with this Certification? ☐		
6.	For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years) ?	☐	☐

SITE NO. V00213

Description of Institutional Control

	YES	NO
W&M Properties of Connecticut, Inc		
500 Mamaroneck Avenue		
Deed Restriction		
S_B_L Image:		
Ground Water Use Restriction	☐	☐
Soil Management Plan	☐	☐

Description of Engineering Control

	YES	NO
W&M Properties of Connecticut, Inc		
500 Mamaroneck Avenue		
Deed Restriction		
S_B_L Image:		
Cover System	☐	☐

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable.
(Also see instructions)

Control Description for Site No. V00213

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Control Certification Statement

For each Institutional or Engineering control listed above, I certify by checking "Yes" that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(d) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control.

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

IC/EC CERTIFICATIONS
SITE NO. V00213

Box 5

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner or Remedial Party Rendering Certification Date

Box 6

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I certify that all information and statements in Box 4 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

_____ _____ _____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification Stamp (if Required) Date

Enclosure 2

Certification of Institutional Controls/ Engineering Controls (ICs/ECs)
Step-by-Step Instructions, Certification Requirements and Definitions

The Owner, or Remedial Party, and when necessary, a Professional Engineer (P.E.), or the Qualified Environmental Professional (QEP), must review and complete the IC/EC Certification Form, sign the IC/EC Certifications Signature Page, and return it, along with the Periodic Review Report (PRR), within 45 days of the date of this notice.

Please use the following instructions to complete the IC/EC Certification.

I. **Verification of Site Details** (Box 1 and Box 2):

Answer the six questions in the Verification of Site Details Section. Questions 5 and 6 only refer to sites in the Brownfield Cleanup Program. Environmental Conservation Law (ECL) Section 27-1415-7(c) is included in section **IV. IC/EC Certification Requirements**, below. The Owner and/or your P.E. or QEP may include handwritten changes and/or other supporting documentation, as necessary.

II. **Verification of Institutional / Engineering Controls** (Box 3 and Box 4)

Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party is to petition the Department requesting approval to remove the control.

2. Select "YES" or "NO" for **Control Certification** for each IC/EC, based on Sections (a)-(e) of the **Control Certification Statement**.

3. If you cannot certify "YES" for each Control, please continue to complete the remainder of this **Control Certification** form. Attach supporting documentation that explains why the **Control Certification** cannot be rendered, as well as a statement of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Control Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is conducted.

   If the Department concurs with the explanation, the corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) is to be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. **IC/EC Certification by Signature (**Box 5 and Box 6**):**

1. If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page. To determine WHO signs the **IC/EC Certification,** please use Table 1, Signature Requirements for the IC/EC Certification, below.

Table 1. Signature Requirements for Control Certification Page		
Type of Control	**Example of IC/EC**	**Required Signatures**
IC	Environmental Easement Deed Restriction.	A site or property owner or remedial party.
EC which does not include a treatment system or engineered caps.	Fence, Clean Soil Cover, Individual House Water Treatment System, Vapor Mitigation System	A site or property owner or remedial party, and a QEP. (P.E. license not required)
EC that includes treatment system or an engineered cap.	Pump & Treat System providing hydraulic control of a plume, Part 360 Cap.	A site or property owner or remedial party, and a QEP with a P.E. license.

IV. IC/EC Certification Requirements:

ECL requires periodic certification of IC(s) and EC(s) as follows:

Environmental Restoration Program (ERP): ECL Section 56-0503. (Environmental restoration projects; state assistance)

State Superfund Program (SSF): ECL 27-1318. (Institutional and engineering controls)

Brownfields Cleanup Program (BCP): ECL Section 27-1415. (Remedial program requirements)

> ECL Section 27-1415-7(c) states:
> "At non-significant threat sites where contaminants in groundwater at the site boundary contravene drinking water standards, such certification shall also certify that no new information has come to the owner's attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of offsite contamination are no longer valid. Every five years the owner at such sites shall certify that the assumptions made in the qualitative exposure assessment remain valid. The requirement to provide such certifications may be terminated by a written determination by the Commissioner in consultation with the Commissioner of Health, after notice to the parties on the brownfield site contact list and a public comment period of thirty days."

Voluntary Cleanup Program (VCP): Applicable program guidance.

Response Program - Petroleum Remediation: Applicable program guidance.

Federal Brownfields Program: Applicable program guidance.

Manufactured Gas Plant (MGP) Projects: Applicable division guidance (including non-registry listed MGPs).

WHERE to mail the signed Certification Form by Wednesday, October 15, 2008:

New York State Department of Environmental Conservation
Division of Environmental Remediation

625 Broadway, BURC
Albany, NY 12233

Attn: David Crosby, Project Manager

Please note that extra postage may be required.

V. Definitions

"Engineering Control" (EC) means any physical barrier or method employed to actively or passively contain, stabilize, or monitor contamination, restrict the movement of contamination to ensure the long-term effectiveness of a remedial program, or eliminate potential exposure pathways to contamination. Engineering controls include, but are not limited to, pavement, caps, covers, subsurface barriers, vapor barriers, slurry walls, building ventilation systems, fences, access controls, provision of alternative water supplies via connection to an existing public water supply, adding treatment technologies to such water supplies, and installing filtration devices on private water supplies.

"Institutional Control" (IC) means any non-physical means of enforcing a restriction on the use of real property that limits human and environmental exposure, restricts the use of groundwater, provides notice to potential owners, operators, or members of the public, or prevents actions that would interfere with the effectiveness of a remedial program or with the effectiveness and/or integrity of operation, maintenance, or monitoring activities at or pertaining to a remedial site.

"Professional Engineer" (P.E.) means an individual or firm licensed, or otherwise authorized under article 145 of the Education Law of the State of New York, to practice engineering.

"Property Owner" means, for purposes of an IC/EC certification, the actual owner of a property. If the site has multiple properties with different owners, the Department requires that the owners be represented by a single representative to sign the IC/EC Certification.

"Oversight Document" means any document the Department issues pursuant to each Remedial Program to define the role of a person participating in the investigation and/or remediation of a site or area(s) of concern. Examples for the various programs are:

BCP (after approval of the BCP application by Department) - Brownfield Site Cleanup Agreement.
ERP (after approval of the ERP application by Department) - State Assistance Contract.
Federal Superfund Sites - Federal Consent Decrees, Administrative Orders on Consent or Unilateral Orders issued pursuant to CERCLA.
Response Program - Order on Consent, or Stipulation pursuant to Article 12 of the Navigation Law (and the ECL).
SSF Program - Administrative Consent Order, Record of Decision.
VCP (after approval of the VCP application by Department) - Voluntary Cleanup Agreement.
RCRA Corrective Action Sites- Federal Consent Decrees, Administrative Orders on Consent or

permit conditions issued pursuant to RCRA.

"Qualified Environmental Professional" (QEP) means a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of a property or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified by this Part. Such a person must:

(1) hold a current professional engineer's or a professional geologist's license or registration issued by the State or another state, and have the equivalent of three years of full-time relevant experience in site investigation and remediation of the type detailed in this Part; or

(2) be a site remediation professional licensed or certified by the federal government, a state or a recognized accrediting agency, to perform investigation or remediation tasks consistent with Department guidance, and have the equivalent of three years of full-time relevant experience.

"Qualitative Exposure Assessment" means a qualitative assessment to determine the route, intensity, frequency, and duration of actual or potential exposures of humans and/or fish and wildlife to contaminants.

"Remedial Party" means a person implementing a remedial program at a remedial site pursuant to an order, agreement or State assistance contract with the Department.

"Site Management" (SM) means the activities undertaken as the last phase of the remedial program at a site, which continue after a Certificate of Completion is issued. Site management is conducted in accordance with a site management plan, which identifies and implements the IC/ECs required for a site, as well as any necessary monitoring and/or operation and maintenance of the remedy.

"Site Management Plan" (SMP) means a document which details the steps necessary to assure that the institutional and engineering controls required for a site are in-place, and any physical components of the remedy are operated, maintained and monitored to assure their continued effectiveness, developed pursuant to Section 6 of DER-10, *Technical Guidance for Site Investigation and Remediation.*

"Site Owner" means the actual owner of a site. If the site has multiple owners of multiple properties with ICs and/or ECs, the Department requires that the owners designate a single representative for IC/EC Certification activities.

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9662 • **Fax:** (518) 402-9679
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

DEC 26 2008

Mr. Gerrit T. Blauvelt
W&M Properties
200 Stamford Place
Stamford, CT 06902

RE: Voluntary Cleanup Project,
2008 Period Review Report
500 Mamaroneck Avenue, Site No. V00213
Town of Harrison, Westchester County, NY

Dear Mr. Blauvelt:

The New York State Department of Environmental Conservation (Department) has completed a review of your November 19, 2008 Period Review Report and the IC/EC Certification. Based on the representation made in the report, the remedy is performing properly and is effective. The Department accepts the report and associated certification.

The frequency of the Period Review Report for this site has been determined by the Department to be five (5) years. As such, the next Period Review Report and certification is due on November 4, 2013.

If you have any questions, please feel free to contact me at 1-518-402-9662.

Sincerely,

David Crosby
Remedial Bureau C
Division of Environmental Remediation

cc: Michael Feldman, Coneco
David Crosby/file

ecc: Mark VanValkenburgh, NYSDOH

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233
Phone: (518) 402-9553 **Fax:** (518) 402-9577
Website: www.dec.ny.gov

Joe Martens
Commissioner

11/15/2013

c/o Empire State Reality Trust
500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, NY 10528

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: 500 Mamaroneck Avenue
Site No.: V00213
Site Address: 500 Mamaroneck Avenue
Harrison, NY 10528

Dear Empire State Reality Trust:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **January 17, 2014**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to David Crosby, Project Manager, at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Phone number: 518-402-9662. E-mail: dacrosby@gw.dec.state.ny.us

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

cc: w/enclosures
Michael C. Feldman, CONECO Engineers & Scientists
Empire State Realty Trust, c/o Patrick Philbin

ec: w/ enclosures
David Crosby, Project Manager
Edward Moore, Hazardous Waste Remediation Engineer, Region 3

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00213

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: September 15, 2007 to November 04, 2013

	YES	NO
1. Is the information above correct?	☐	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00213 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	
		Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	
		Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	
	Cover System
482-8-26.1	
	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☐	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☐	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233
Phone: (518) 402-9662
Fax: 518-402-9679
Website: www.dec.ny.gov

Joe Martens
Commissioner

Mamaroneck Avenue Associates
Patrick Philbin
200 First Stamford Place
Stamford, CT 06902

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter

500 Mamaroneck Avenue, Harrison
Westchester County, Site No.: V00213

Dear Patrick Philbin (as the Certifying Party):

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: 09/15/2007 to 11/04/2013.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 5 year(s), your next PRR is due on December 4, 2018. You will receive a reminder letter and updated certification form 75-days prior to the due date.

If you have any questions, or need additional forms, please contact me at 518-402-9642 or e-mail: dacrosby@gw.dec.state.ny.us

Sincerely,

David Crosby
Project Manager

cc/ec: Michael Feldman, Coneco

ec: David Crosby, Project Manager
Maureen Schuck, DOH Regional Chief

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

9/21/2018

Patrick Philbin
Empire State Realty Trust
500 Mamaroneck Avenue Associates
200 First Stamford Place
Stamford, CT 06902

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: 500 Mamaroneck Avenue
Site No.: V00213
Site Address: 500 Mamaroneck Avenue
Harrison, NY 10528

Dear Patrick Philbin:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **December 04, 2018**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Bill Bennett, the Project Manager, at 518-402-9659 or william.bennett@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures
Bill Bennett, Project Manager
Kevin Carpenter, Section Chief

Coneco Engineers and Scientists - Michael C. Feldman - mfeldman@coneco.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00213**

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: November 04, 2013 to November 04, 2018

	YES	NO
1. Is the information above correct?	☐	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00213 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	
		Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	
		Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	
	Cover System
482-8-26.1	
	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☐	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☐	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9679
www.dec.ny.gov

May 7, 2019

Empire State Realty Trust, Inc.
Carla L. Sanchez, RPA
Metro Center
One Station Place
Stamford, CT 06902

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter
500 Mamaroneck Avenue Site, Site No. V00213
Town of Harrison, Westchester County

Dear Carla L. Sanchez, RPA (as the Certifying Party):

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: November 4, 2013 to November 4, 2018.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 5 year(s), your next PRR is due on December 4, 2023. You will receive a reminder letter and updated certification form 75-days prior to the due date. Regardless of receipt or not, of the reminder notice, the next PRR including the signed certification form, is still due on the date specified above.

If you have any questions, or need additional forms, please contact me at 518-402-9659 or e-mail: william.bennett@dec.ny.gov.

Sincerely,

William Bennett
Professional Engineer 1
Remedial Bureau C
Division of Environmental Remediation

cc/ec: Carla L. Sanchez, RPA (csanchez@empirestaterealtytrust.com)

ec: Michael Feldman (mfeldman@coneco.com)
Maureen Schuck, NYSDOH (maureen.schuck@health.ny.gov)
William Bennett (william.bennett@dec.ny.gov)
DECDOCS

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Report. V00213. 1998-06-01.
Site AR.

FILE COPY

A MEMBER OF THE ENVIRONMENTAL RESOURCES MANAGEMENT GROUP

SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York

June 1998

Prepared for:

500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, NY

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, NY 11797

ERM

EnviroClean's Commitment to Quality

Our Quality Policy

We will fully understand and document our client's requirements for each assignment.

We will confirm to those requirements at all times and satisfy the requirements in the most efficient and cost effective manner.

Our quality policy and procedures include an absolute commitment to provide superior service and responsiveness to our clients.

Our Quality Goals

To serve you.

To serve you well.

To continually improve that service.

Our Quality Improvement Process

Train each employee.

Establish and implement requirements based on a preventative approach.

Maintain a standing Quality Improvement Team to ensure continuous improvement.

Empower Corrective Action Teams to analyze, correct and eliminate problems.

Continually strive to improve our client relationships.

John A. DeFilippi, P.E.
Chairman

Andris H. Ledins, P.E.
President

SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York

June 1998

Prepared for:

500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, NY

Prepared by:

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175 Froehlich Farm Boulevard
Woodbury, NY 11797

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Section 1

1.0 *INTRODUCTION*

Environmental Resources Management (ERM) has prepared this Voluntary Cleanup Site Assessment Report on behalf of 500 Mamaroneck Avenue Associates (owner) to document conditions at their property located at 500 Mamaroneck Avenue, Harrison, New York (site). The site, a five-story office building, is being marketed by the Bank of Nova Scotia and title will pass to the new owner. AKRF, INC. (AKRF), completed a Phase I Environmental Investigation in April of 1997.

A potential purchaser engaged Dames and Moore, Inc. to collect soil and groundwater samples to assess potential impacts from past property usage. Dames and Moore produced preliminary sampling results which indicated residual soil concentrations of Resource Conservation Recovery Act (RCRA) metals, polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in excess of regulatory standards or guidelines. Groundwater samples collected by Dames & Moore, however did not indicate any significant levels of contaminants.

1.1 *PURPOSE OF REPORT*

In May 1998, the site owner retained ERM, to further evaluate conditions at the site retained ERM. ERM recommended the installation of additional soil borings to:

- Verify the presence and establish concentrations of PAHs and PCBs.
- More completely delineate the areal and vertical extent of any residual inorganic, PCB or PAH soil contamination.

This report details the results of sampling program carried out at 500 Mamaroneck Avenue, by ERM, evaluates the fate and transport of the residual contaminants detected and recommends a remedial alternative

consistent with the property usage. Additional groundwater sampling was not recommended because the Dames & Moore results did not indicate significant impacts.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2.1 *Study Area Description & History*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas parking covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent residences.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site. Water is provided by the local municipal system and the site therefore has no drinking water

well(s). One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.2.2 *Site Geology*

Based on the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck. New York Quadrangle, site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the property. Based on the topography and general site features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the site boundary.

According to the September 1994 General Geology Map of Putnam and Westchester Counties. New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property.

1.2.3 *Previous Investigations*

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997 and Dames & Moore, Inc., 1998 (late February or early March). Except for the Dames & Moore sampling, these investigations are Phase I Environmental Assessments, however, GZA, ERL and USHI collected limited soil and/or groundwater samples as part of their work.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain debris from past MSW operations (see Figure 2). The samples were composited and analyzed for priority pollutant metals after extraction following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 2). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 2). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be slightly elevated, they are consistent with typical soil metals concentrations from urban settings and do not indicate contamination from operation of the incinerator.

As discussed above, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. Initially they proposed the installation of 8 soil borings , however, 2 of their borings were not installed due to the presence of underground utilities. Figure 2 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs , PAH and PCB semi-volatile organic compounds (SVOCs) and RCRA metals. Only the results of the Dames & Moore sampling were supplied to the property owner, therefore, the analytical methodology is unknown. However, it is likely that standard USEPA analytical methods were used because the samples were collected as part of a due diligence investigation for a property transfer.

No VOCs exceeded regulatory guidelines in any of the six soil samples collected. Dames & Moore's report stated that the PAHs and PCBs exceed regulatory guidelines in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (µg/kg), chrysene at 670 µg/kg and benzo(a)anthracene at 600 µg/kg. The PCB concentration in this sample was 13,000 µg/kg of Aroclor 1242. The report also states that RCRA metals exceed regulatory guidelines in all of the samples. However, that

conclusion is based on a total metals analysis of the soils. Considering the proximity of bedrock at the site, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to regulatory guidelines is premature.

Groundwater samples were collected from the existing on-site well and from borehole No 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameters were detected above its respective regulatory guidance criterion.

A copy of the previous investigation reports is presented in Appendix A.

Section 2

2.0 *SITE INVESTIGATION*

To better understand and more completely define the extent of potential impacts from past activities at the site, ERM installed 21 soil borings at the 500 Mamaroneck Avenue site. Because more than 340,000 cubic yards of soil and bedrock were excavated from the site during construction, borings were located in areas suspected to contain the greatest thickness of overburden soil. Several borings were also collocated with borings installed by Dames & Moore and in the former location of the municipal incinerator.

As discussed in Section 1.2.3, contaminants have not been detected in any samples collected from the on-site well. Additionally, Dames & Moore collected a groundwater sample from boring No. 3. This sample also did not contain contaminants in excess of regulatory guidelines. Dames & Moore also analyzed soil samples for VOCs. Except for common laboratory contaminants, such as acetone and methylethyl ketone, VOCs were not detected in the Dames & Moore soil samples. ERM therefore concluded that collection of groundwater samples was not warranted.

ADT, INC of New Hyde Park, New York Park installed the borings using a GeoProbe™ under the supervision of an ERM geologist. Each boring was advanced to a total depth of ten feet or until refusal. Continuous 3-foot samples were collected using a MacroCore™ sampler and each sampled screened for VOCs using a field instrument equipped with a photoionization detector (PID). The MacroCore™ sampler was decontaminated between borings using a detergent wash followed by distilled water rinse.

The initial round or boring installations was carried out on May 12, 1998. Borings GP-1 through GP-15 at the locations indicated on Figure 2. At several locations only a thin mantle of soil was observed. At other

borings, cinder-like material was observed. VOCs were not observed in any of the samples collected. The field notes from the boring installation are provided in Appendix B.

Because of the presence of numerous utilities including electric, water and sewer lines in the front of the building, it was necessary to conduct a Geophysical survey to clear boring locations. NAEVA Geophysics Inc. (NAEVA) of Tappan, New York conducted the survey. While on-site, NAEVA also surveyed the area near Dames & Moore boring No. 8 where PCBs were detected at a depth of 4 to 6- feet. Although the ground penetrating radar (GPR) survey identified a depression in the bedrock surface in this location, ERM was unsuccessful in collecting a sample at the same depth as indicated by the Dames & Moore data from this location.

On May 26, 1998, ADT returned to the site and installed borings at locations GP-16, GP-20 and GP-21 (Figure 2). The installation of these borings followed the protocol described above. Note that ERM boring location GP-16 was near Dames & Moore Boring No. 8.

Because of concerns regarding crossing sewer and water lines located in front of the building with the GeoProbe™ rig, borings GP-17, GP-18 and GP-19 were installed using a Tripod drilling apparatus. Soil samples were collected using a standard 2-foot split-barrel core sampler (split spoon), which was decontaminated as described above.

After collection, samples were stored on ice and shipped for immuno-assay screening for PCBs and PAHs. Ohmicron field immuno-assay screen kits were used because they provide the lowest detection limits of available immuno-assay screening kits. The Ohmicron kits also meet the requirements of USEPA SW-846 immuno-assay methodologies. Based on the results of the screening and sample location with respect to previously

selected samples were sent to the American Environmental Network (AEN) laboratory in Monroe Connecticut.

The soil samples were analyzed for PAHs using USEPA method 8270B, PCBs using USEPA method 8081, and RCRA metals after extraction using the Toxicity Characteristic Leaching Procedure (TCLP). After the preliminary results from the set of samples collected on May 12, 1998 were obtained, AEN was requested to reanalyze several samples for PAHs and PCBs after extraction of the samples using the TCLP leaching procedure. This additional analysis was undertaken to assess the mobility of the PAHs and PCBs, which were detected.

Section 3

Section 3

3.0 *SAMPLING RESULTS*

Immuno-assay screening results for the PAHs ranged from 8 to 888 µg/kg with a method detection limit (mdl) of 4 µg/kg. PCB concentrations, as determined by immuno assay testing ranged from non-detect (ND) to 323 µg/kg with an mdl of 500 µg/kg. After review of the field screening results, 14 samples were selected for laboratory analysis. The selected samples contained both low and high concentration samples and samples collected near previously sampled areas.

The data from the soil samples collected on May 12, 1998 was received by ERM and reviewed to determine the necessity for additional sampling collection or analysis The results from the May 12th sampling indicated the presence of PAHs, and PCBs in several of the soil samples above applicable regulatory limits. Concentrations of PCBs ranged from 56 µg/kg to 4,200 µg/kg. Concentrations of PAHs ranged from 110 to 7,800 µg/kg, with individual PAH concentrations of benzo(a)anthracene (Borings GP-12A, GP-12B, GP-13A), benzo(b)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Boring GP-12B), benzo(a)pyrene (Borings GP-12A, GP-12B, GP-13A), chrysene (Borings GP-12A, GP-12B, GP-13A) and dibenzo(a,h)anthracene (Boring GP-12B) exceeding the Clean-up Objectives of NYSDEC TAGM 4046. The total estimated PCB concentration of 4,200 µg/kg obtained in ERM boring GP-11A exceeds the surficial total PCB clean-up criterion of 1,000 µg/kg.

Several RCRA metals were detected in the May 12th samples above the laboratory mdl. However, RCRA metal concentrations did not exceed regulatory criteria. As discussed in Section 3.0, the RCRA metals testing was carried out using the TCLP extraction procedure and the results indicate that although RCRA metals are present in the soil at 500 Mamaroneck Avenue, they are not mobile. Therefore, it was decided to

reanalyze several of the May 12th samples for PAHs ad PCBs using the TCLP extraction procedure. Soil samples from GP-11A, GP-12A, GP-12B and GP-13A were therefore reanalyzed to assess the mobility of these compounds.

The results of the TCLP leaching and reanalysis indicated that PCBs were not detected above the mdl. PAH concentrations in the TCLP extracted samples ranged from an estimated value of 0.2 μg/L to 4 μg/L. These concentrations are at least two orders of magnitude less than the applicable TAGM Clean-up Objective. Based on these TCLP data, it can be concluded that the PAHs in PCBs in the soil at the 500 Mamaroneck Avenue are not mobile.

Four samples from the May 26th and 27th sampling were sent for laboratory analysis. PCBs, above the mdl, were present in three of the samples (GP-19B/C, GP-19D/E/F and GP-21A), however, total PCB concentrations did not exceed regulatory recommended clean-up objectives. PAH concentrations ranged from 450 μg/kg to 22,000 μg/kg in the May 26th and 27th samples. The concentration of benzo(a)anthracene (Borings GP-19B/C, GP-19D/E/F, GP-20A), benzo(b)fluoranthene and benzo (k)fluoranthene (Boring GP-19D/E/F), benzo(a)pyrene (Borings GP-19B/C, GP-19D/E/F and GP-20A) and dibenz(a,h)anthracene (Boring GP-19D/E/F) exceed TAGM 4046 Soil Clean-up Objectives. As indicated above, if the TCLP extraction were used, PAH the concentrations in these samples would be expected to be at least 3 orders of magnitude lower, which would likely reduce the measured PAH concentrations below the applicable standard. Additionally, the PAH concentrations in the May 26th and 27th which exceeded standards were from samples collected at depths ranging from 3 to 12-feet below land surface. The TAGM 4046 clean-up criteria are based on direct contact with the PAH contaminated soil and it is unlikely for direct contact with these soils to occur.

Section 4

4.0 *FATE AND TRANSPORT*

Chemicals released into the environment are susceptible to several degradation pathways. These include chemical (i.e., hydrolysis, oxidation, reduction, etc.), photolysis or photooxidation and biodegradation. One or more of these processes may transform compounds. The transformation processes are controlled by the physical properties of the compound, i.e., a compound's ability to absorb light or the presence of functional groups that can be oxidized by naturally occurring environmental oxidants such as oxygen.

Chemicals entering the environment are dispersed through various physical process including volatilization, dissolution in ground or surface water, bioadsorbtion and transport by fish and birds. The physical properties of the specific compound released into the environment will control the transport.

4.1 *POLYCYCLIC AROMATIC HYDROCARBONS*

Polycyclic aromatic hydrocarbons (PAHs) are formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances. PAHs can either be man-made or occur naturally. Although a few of the PAHs are used to make dyes, pesticides and plastics, and others are contained in asphalt most of these chemicals are not widely used except in research. PAHs are found throughout the environment in the air, water and soil. There are more than 100 different PAH compounds.

As pure chemicals, PAHs generally exist as colorless, white or pale yellow-green solids. They have a faint, pleasant odor. Most PAHs do not occur alone in the environment, i.e., they generally part of a complex mixture, for example, in crude oil, coal tar, creosote, and road and roofing tars.

The movement of PAHs in the environment depends on properties like their water solubility, vapor pressure and molecular weight. PAHs, in general, do not easily dissolve in water. In soil they are tightly bound to soil particles. PAHs can breakdown in the air by photolysis or through reactions with other chemicals. This process generally takes a period of days to weeks. Decomposition in soil and water takes longer, from weeks to months and is due mostly to the actions of microorganisms.

Transport and partitioning of PAHs in soil can be evaluated by consideration of individual PAH octanol-water partitioning coefficient (K_{ow}) and organic carbon partitioning coefficient (K_{oc}). K_{oc} indicates the chemicals potential to bind to organic carbon in soil and sediment, K_{ow} is used to estimate the potential for an organic chemical to move from water, a polar environment into a more nonpolar environment such as bound to soil. Some of the transport and partitioning characteristics, such as K_{oc} and K_{ow} are roughly correlated to the PAH molecular weight. These properties can be grouped as follows:

- Low molecular weight compounds (152-178 grams/mole [g/mol]) - acenaphthene, acenaphthylene, anthracene, fluorene and phenanthrene.
- Medium molecular weight compounds (202 g/mol) - fluoranthene and pyrene.
- High molecular weight compounds (228-278 g/mol) - benzo(a)anthracene, benzo(b)fluoranthene, benzo(k) fluoranthene, benzo(g,h,I)perylene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene and indeno(1,2,3,c,d)pyrene.

As described above, the K_{oc} indicates a chemical's potential to bind to organic carbon in sediment and soil. The low molecular weight PAHs have K_{oc} values in the range of 10^3 to 10^4, which indicates a moderate potential to be adsorbed. The medium molecular weight compounds K_{oc} values in the 10^4 range and high molecular weight compounds have K_{oc}

values in the range of 10^5 to 10^6, which indicate a strong tendency to adsorb to soil and sediment.

At the 500 Mamaroneck Avenue site, the high molecular weight compounds predominate suggesting that the PAHs present at the site will be strongly bound to the soil and will not be mobile. This is confirmed by the TCLP leaching data.

4.2 *POLYCHLORINATED BIPHENYLS*

Polychlorinated biphenyls (PCBs) are a class of nonpolar, chlorinated hydrocarbons with a biphenyl nucleus ($C_{12}H_{10}$) on which one to ten of the hydrogens have been replaced by chlorine. Commercial PCBs were manufactured and sold as mixtures containing multiple isomers with different degrees of chlorination. Most PCB congeners are colorless, odorless crystals; the commercial mixtures are clear viscous liquids (the more highly chlorinated mixtures are more viscous: for example Aroclor 1260 is a sticky resin). Although the physical and chemical properties vary widely across the class, PCBs have low water solubilities and low vapor pressures. PCBs are stable compounds and do not degrade easily.

Commercial PCB mixtures were used in a wide variety of applications, including dielectric fluids in capacitors and transformers, heat transfer fluids, hydraulic fluids, lubricating and cutting oils, and as additives in pesticides, paints, copying paper and carbonless copy (NRC) paper. By far, the preponderance of the PCBs were used in capacitors and transformers. The commercial utility was based largely on their chemical stability, including low flammability and desirable physical properties including electrical insulating properties. They are considered ubiquitous in the environment.

PCBs have low volatility and are highly lipophilic, i.e., PCBs prefer nonpolar environments, with the consequence that more than 99 percent of the environmental PCB mass found in soil. PCBs bind strongly to soil (Koc values likely in the 10^5 to 10^6) and may remain there for years or decades. PCBs will typically not travel deeply into the soil with rainwater. Specifically, the solubility of commercial mixtures of PCBs decreases in increasing chlorination, from a solubility of 420 μg/L for Aroclor 1016 to 12 μg/L for Arochlor 1260. The higher chlorinated species predominate at the 500 Mamaroneck Avenue site, indicating low potential for migration. This is confirmed by the TCLP leaching testing, which did not reveal PCBs in the extract.

Section 5

5.0 *FINDINGS AND RECOMMENDATIONS*

The soil sampling carried out by ERM detected PAHs and PCBs above regulatory guidance criteria in only 6 soil samples out of the 46 collected at the 500 Mamaroneck Avenue site. Upon reanalysis of 4 of these samples, using the TCLP leaching procedure, the concentrations of PAHs and PCBs were below regulatory guidance, indicating that these compounds are not mobile. This observation is consistent with the transport phenomena associated with PAHs and PCBs. Impacts to groundwater from these compounds are therefore not likely.

The PAH and PCBs are associated with samples where there is a greater thicknesses of soil, specifically along the southern parking lot boundary and in front of the building. The PAHs and PCBs were generally detected in samples collected at depths greater than 3-feet below land surface. However, it must be pointed out that in general there is only a thin mantel of soil above the bedrock at the site. This is consistent with the observation that more than 340,000 cubic yards of soil and bedrock removed from the site during construction of the building complex.

WRONG - IMPACTED BY DEPOSITION FROM STACK

Sixty percent of the 500 Mamaroneck property is undeveloped and has not been impacted by past or present activities. The building complex and parking lots cover approximately sixty four percent of the developed portion of the property, the remaining land is landscaped. Therefore the PAHs and PBCs potentially contained in soil are isolated both from a direct contact and leaching perspective. Additionally, as discussed above, because more than 340,000 cubic yards of soil and bedrock were removed during construction and disposed of off-site, the potential amount of PAHs and PCBs remaining on-site is extremely limited.

5.1 *RECOMMENDATIONS*

ERM recommends that no further investigative or remedial activities be conducted at the site. This recommendation is based on:

- Isolation of the PAHs and PCBs potentially present in site soil by the building complex, bituminous paving and landscaping. Direct contact with these contaminants is not likely and an exposure pathway is therefore not present.
- TCLP leach testing indicates that the PAHs and PCBs present on site are not mobile. This finding is consistent with the physical properties of these classes of compounds. More importantly, contamination of other media is not likely, groundwater is not used on the site and therefore, no exposure pathway through groundwater is possible. X WRONG

Limited exceedances of recommended clean-up criteria. Only 4 borings contained soil exceeding criteria, therefore there is only a very limited area, which is potentially impacted.

Section 6

Section 6

6.0 *REFERENCES*

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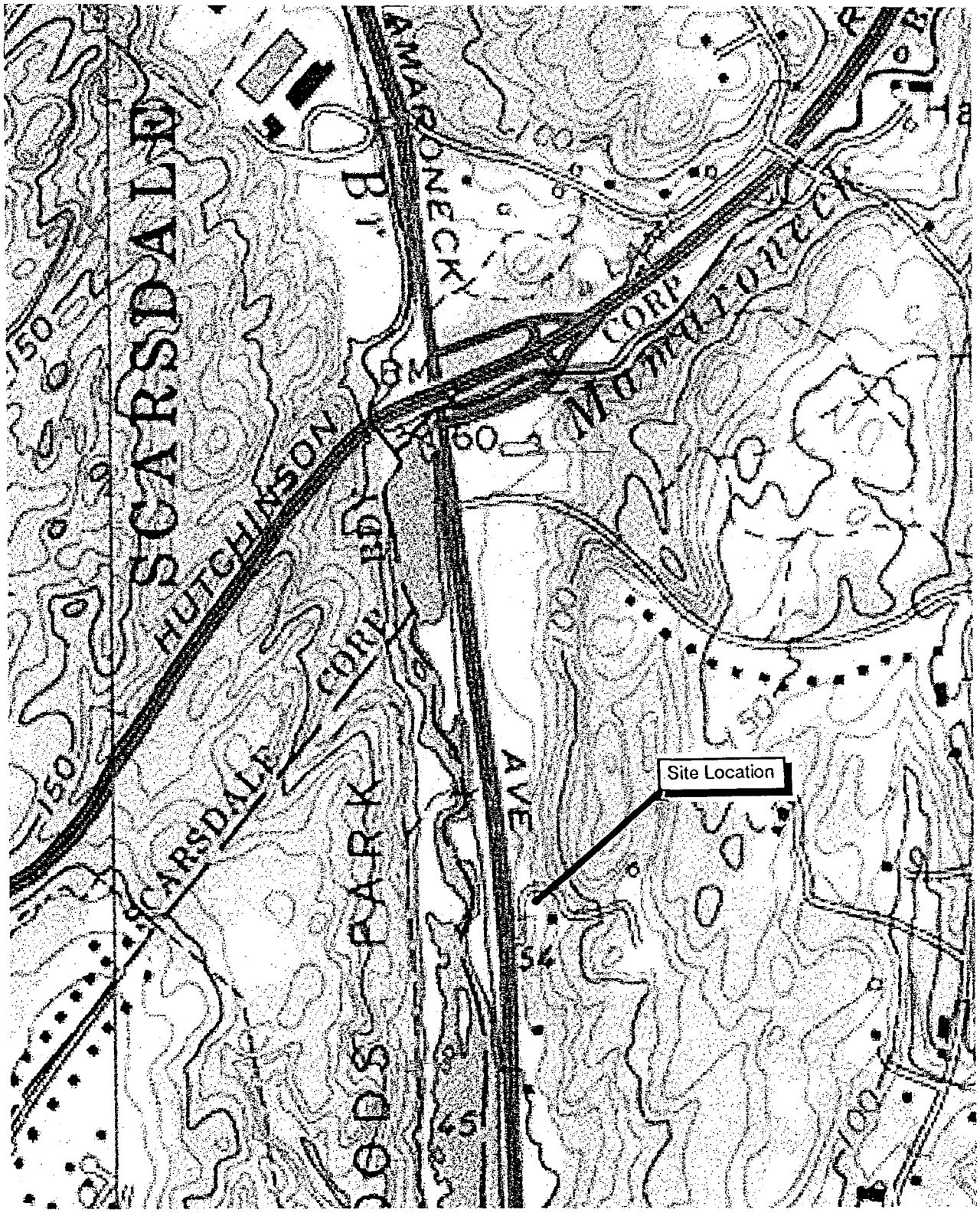
FIGURES



TITLE

SITE LOCATION MAP

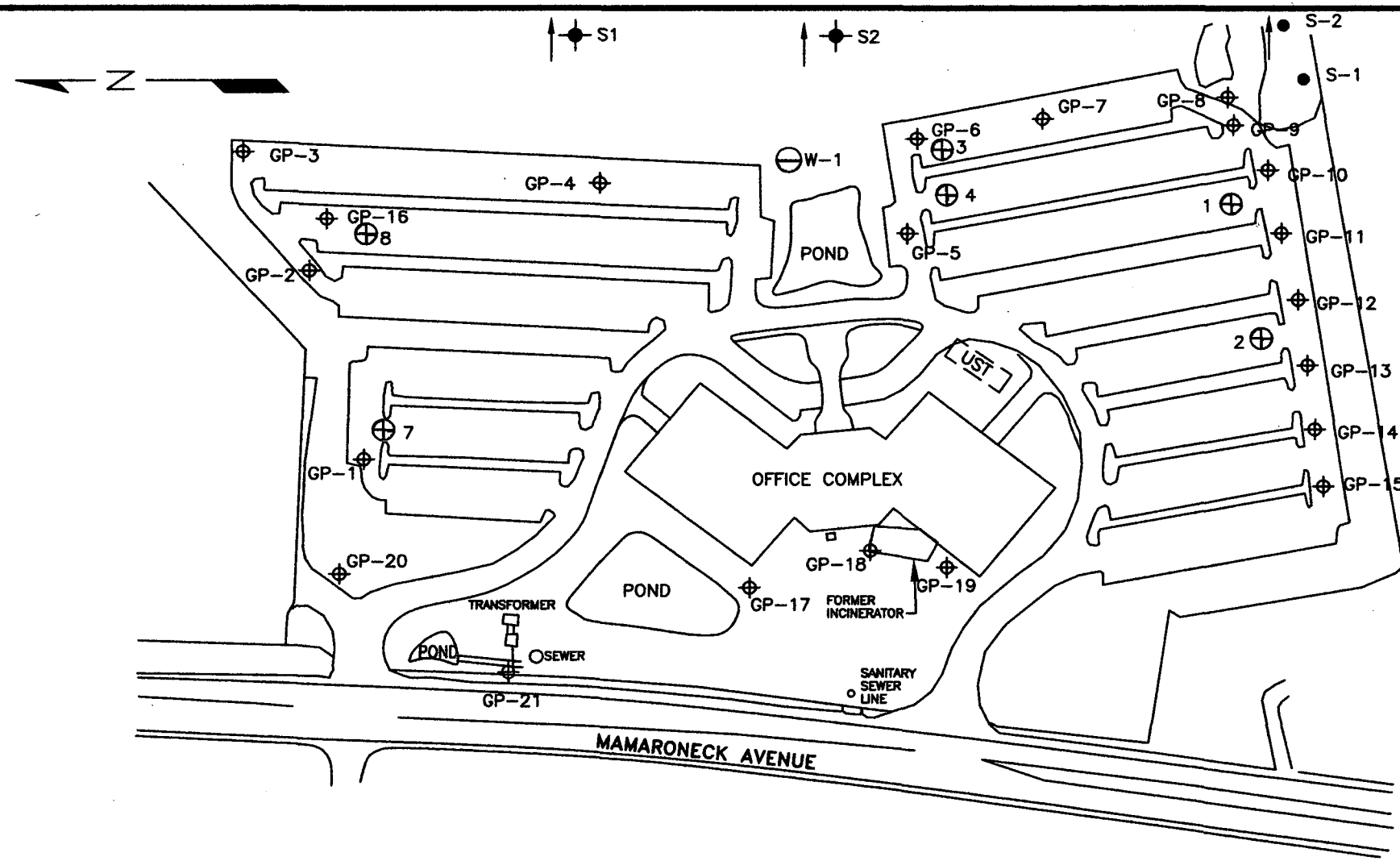
PREPARED FOR

500 MAMARONECK ASSOCIATES

ERM-Northeast
Environmental Resources Management

SCALE	FIGURE
NONE	1

DRAWN:	JOB NO.:	FILE NAME:	DATE
E.M.F.	1454.001		6/18/98



ERM BORING LOCATIONS – 1998

DAMES & MORE SAMPLING LOCATIONS – 1998

U.S. HYDROGEOLOGIC, INC. SAMPLING LOCATIONS – 1989

GROUNDWATER SUPPLY WELL

GZA SAMPLING LOCATIONS – 1986

TITLE: SITE PLAN				
PREPARED FOR: 500 MAMARONECK AVENUE ASSOCIATES				
ERM-Northeast Environmental Resources Management			SCALE: NONE	FIGURE: 2
DRAWN: E.M.F.	JOB NO.: 14540001	FILE NAME: 14540001	DATE: 6/18/98	

TABLES

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-1A	GP-1B	GP-2A	GP-3A	GP-4A	GP-5A	GP-5B	GP-6A	GP-7A	GP-8A	GP-8B	GP-8C	GP-9A	GP-9B	GP-10A	GP-10B
Depth (feet below land surface)		0 - 4	4 - 7.5	0.5 - 2.25	0 - 1.75	0 - 2.25	0 - 3.5	3.5 - 6.5	0 - 1	0.25 - 2.25	0 -3	3 - 6	6 - 8	0 - 3	3 - 5.5	0 - 3	3 - 6
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter																	
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	3.8 U		38 U	38 U				38 U						38 U		
Barium	100,000	318		961	681				1760						1190		
Cadmium	1,000	2 U		2 U	2 U				2 U						2.5 B		
Chromium	5,000	5 U		5 U	5 U				5 U						5 U		
Lead	5,000	49.6 B		58 B	43 B				27.9 B						266		
Mercury	200	2 U		2 U	2 U				2 U						2 U		
Selenium	1,000	39 U		39 U	39 U				39 U						56.1 B		
Silver	5,000	2 U		2 U	2 U				2 U						2 U		
PBCs (ug/Kg)	Recommended Soil																
	Cleanup Objective (ug/kg)																
Aroclor-1016		47 U		37 U	35 U				35 U						38 U		
Aroclor-1221		96 U		74 U	71 U				71 U						76 U		
Aroclor-1232		47 U		37 U	35 U				35 U						38 U		
Aroclor-1242		47 U		37 U	35 U				35 U						38 U		
Aroclor-1248		47 U		37 U	35 U				35 U						22 J		
Arclor-1254		47 U		37 U	35 U				35 U						32 J		
Aroclor-1260		47 U		37 U	35 U				35 U						16 J		
Total PCBs	1, 000 (surface)														70		
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Acenaphthylene	41,000	140 U		110 U	420 U				110 U						450 U		
Anthracene	50,000***	140 U		110 U	420 U				45 J						450 U		
Benzo(a)anthracene	224 or MDL	140 U		110	420 U				110 J						450 U		
Benzo(b)fluoranthene	1,100	140 U		140	420 U				120						450 U		
Benzo(k)fluoranthene	1,100	140 U		110 U	420 U				47 J						450 U		
Benzo(g,h,i)perylene	50,000***	140 U		110 U	420 U				47 J						450 U		
Benzo(a)pyrene	61 or MDL	140 U		61 J	420 U				88 J						450 U		
Chrysene	400	140 U		150	420 U				120						450 U		
Dibenz(a,h)anthracene	14 or MDL	140 U		110 U	420 U				110 U						450 U		
Fluoranthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Fluorene	50,000***	140 U		110 U	420 U				110 U						450 U		
Indeno(1,2,3-cd)pyrene	3,200	140 U		110 U	420 U				49 J						450 U		
Naphthalene	13,000	140 U		110 U	420 U				110 U						450 U		
Phenanthrene	50,000***	140 U		110 U	420 U				150						450 U		
Pyrene	50,000***	140 U		180	420 U				180						450 U		
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	16	142	408	287	142	32	28	407	106	85	41	113	24	23	79	69
PCBs	500 ug/Kg	ND	ND	5 J	1 J	62 J	ND	ND	105 J	ND	ND	1 J	ND	ND	ND	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-11A	GP-11A	GP-11B	GP-11C	GP-12A	GP-12A	GP-12B	GP-12B	GP-12B	GP-12C	GP-13A	GP-13A	GP-13C	GP-14A	GP-15A	GP-16A
Depth (feet below land surface)		0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	0 - 3	3 - 6	3 - 6	3 - 6	6 - 7	0 - 3	0 - 3	6 - 7	0 - 3	0 - 2	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	28-May-98
Parameter			TCLP				TCLP		Dilution	TCLP			TCLP				
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	38 U		38 U		38 U		38 U				38 U					
Barium	100,000	2570		1610		856		900				1430					
Cadmium	1,000	18.5		8.6		4.6 B		4.2 B				20					
Chromium	5,000	5 U		5 U		5 U		5 U				5 U					
Lead	5,000	1220		704		178		224				541					
Mercury	200	2 U		2 U		2 U		2 U				2.2					
Selenium	1,000	39 U		58.5 B		39 U		39 U				39 U					
Silver	5,000	2 U		2 U		2 U		2 U				2 U					
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)																
Aroclor-1016		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1221		1600 U	2 U	78 U		84 U	2 U	74 U		2 U		67 U	2 U				
Aroclor-1232		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1242		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1248		800 U	1 U	57		19 J	1 U	48		1 U		48	1 U				
Arclor-1254		800 U	1 U	38 U		26 J	1 U	69		1 U		69	1 U				
Aroclor-1260		800 U	1 U	260		11 J	1 U	34 J		1 U		34 J	1 U				
Total PCBs	1, 000 (surface)	4200		317		56		151				151					
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	120 U	10 U	120 U		120	10 U	700	710 D	4 J		1300	2 J				
Acenaphthylene	41,000	120 U	10 U	120 U		110 J	10 U	790	740 D	10 U		440 J	10 U				
Anthracene	50,000***	120 U	10 U	120 U		600	0.2 J	2200	2300 D	0.7 J		1200	0.2 J				
Benzo(a)anthracene	224 or MDL	54 J	10 U	46 J		920	10 U	4500	5000 D	10 U		1600	10 U				
Benzo(b)fluoranthene	1,100	72 J	10 U	83 J		1100	10 U	3800	5000 D	10 U		2600	10 U				
Benzo(k)fluoranthene	1,100	46 J	10 U	110 J		440	10 U	1800	1500 D	10 U		910	10 U				
Benzo(g,h,i)perylene	50,000***	120 U	10 U	120 U		260	10 U	650	930 D	10 U		340 J	10 U				
Benzo(a)pyrene	61 or MDL	60 J	10 U	43 J		830	10 U	2900	3800 D	10 U		1200	10 U				
Chrysene	400	160	10 U	82 J		1100	10 U	4500	6000 D	10 U		2300	10 U				
Dibenz(a,h)anthracene	14 or MDL	120 U	10 U	120 U		120 U	10 U	250	150 J	10 U		440 U	10 U				
Fluoranthene	50,000***	120 U	10 U	98 J		1800	10 U	6500 E	7800 D	0.8 J		440 U	0.6 J				
Fluorene	50,000***	120 U	10 U	120 U		210	10 U	1400	1500 D	2 J		730	0.7 J				
Indeno(1,2,3-cd)pyrene	3,200	120 U	10 U	120 U		290	10 U	860	1200 D	10 U		400 J	10 U				
Naphthalene	13,000	120 U	10 U	120 U		60 J	10 U	1000	1200 D	10 U		440 U	10 U				
Phenanthrene	50,000***	93 J	10 U	120 U		1300	0.9 J	4700	5500 D	4 J		2000	0.8 J				
Pyrene	50,000***	92 J	10 U	81 J		1500	10 U	6200 E	6700 D	0.7 J		440 U	0.4 J				
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	55		122	132	370		332			170	332		156	57	89	140
PCBs	500 ug/Kg	323 J		162 J	82 J	105 J		45 J			82 J	62 J		1 J	11 J	ND	ND

150

7,800

13K

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

U —
60
~~170~~ — 13K

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-17A/B	GP-17B/C	GP-17D/E	GP-18A/B	GP-18C/D	GP-18D/E	GP-19A/B	GP-19B/C	GP-19D/E/F	GP-20A	GP-20B	GP-21A	GP-21B	GP-21C
Depth (feet below land surface)		0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 12	0 - 3	3 - 6	0 - 3	3 - 6	6 - 10
Date Sampled		27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	26-May-98	26-May-98	26-May-98	26-May-98	26-May-98
Parameter															
	Toxicity Characteristic														
RCRA Metals (ug/L)	Standards (ug/l)														
Arsenic	5,000								300 U	300 U	300 U		300 U		
Barium	100,000								1050	1070	1320		1820		
Cadmium	1,000								5.8	5 U	6.1		55.6		
Chromium	5,000								11	15.7	10 U		10 U		
Lead	5,000								311	104	653		588		
Mercury	200								2 U	2 U	2 U		2 U		
Selenium	1,000								500 U	500 U	500 U		500 U		
Silver	5,000								10 U	10 U	10 U		10 U		
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)														
Aroclor-1016									33 U	33 U	33 U		33 U		
Aroclor-1221									67 U	67 U	67 U		67 U		
Aroclor-1232									33 U	33 U	33 U		33 U		
Aroclor-1242									33 U	33 U	33 U		33 U		
Aroclor-1248									22 J	24 J	33 U		21 J		
Arclor-1254									42	74	33 U		62		
Aroclor-1260									20 J	50	11 J		36 J		
Total PCBs	1, 000 (surface)								84	148	11		119		
Total PCBs	10,000 (subsurface)														
PAHs (ug/Kg)															
Acenaphthene	50,000***								100 J	5500 J	49 J		38 J		
Acenaphthylene	41,000								81 J	330 U	24 J		330 U		
Anthracene	50,000***								150 J	12000	220 J		89 J		
Benzo(a)anthracene	224 or MDL								560	13000	920		290 J		
Benzo(b)fluoranthene	1,100								8400	5700 J	740		210 J		
Benzo(k)fluoranthene	1,100								600	5500 J	700		230 J		
Benzo(g,h,I)perylene	50,000***								280 J	7000 J	280 J		230 J		
Benzo(a)pyrene	61 or MDL								1000	9700	850		260 J		
Chrysene	400								680	13000	1100		300 J		
Dibenz(a,h)anthracene	14 or MDL								300 J	5400 J	300 J		260 J		
Fluoranthene	50,000***								1000	22000	1500		450		
Fluorene	50,000***								78 J	7000 J	66 J		37 J		
Indeno(1,2,3-cd)pyrene	3,200								400 J	7400 J	380 J		310 J		
Naphthalene	13,000								32 J	4400 J	330 U		330 U		
Phenanthrene	50,000***								350 J	42000	860		320 J		
Pyrene	50,000***								1300	30000	1300		370 J		
2-Methylnaphthalene	36,400								330 U	3900 J	330 U		330 U		
Immuno Assay (UG/Kg)	MDL														
PAHs	4 ug/Kg	222	42	26	36	16	8	19	888	494	618	444	244	7	99
PCBs	500 ug/Kg	ND	3 J	12 J	ND	90 J	42 J	121 J	ND	121 J	ND	247 J	63 J	42 J	90 J

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

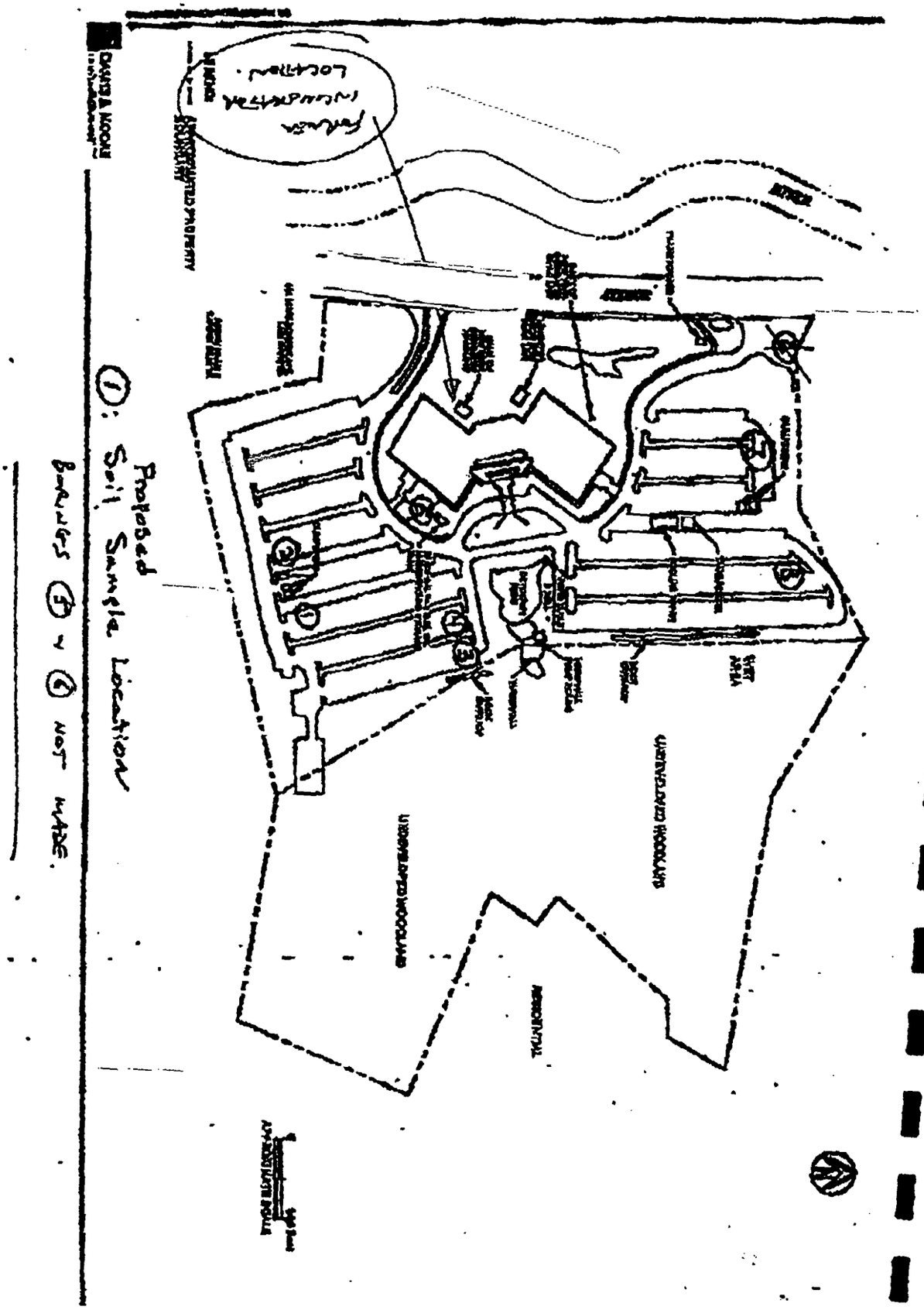
U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Appendices

A

APPENDIX A

Previous Reports


Proposed
Soil Sample Location
Borings 5 & 6 NOT MADE.
1:
Former Incinerator Location.

DRAFT

Soil Sample ID / Depth	SB-1A 6'-8'	SB-2 0'-2'	SB-3 2'-4'	SB-4 0-2'	SB-7 2'-4'	SB-8 4'-6'	BS-1 1'	Regulatory Guideline
PARAMETER DETECTED								
VOCs (ug/Kg)								
Acetone	190	NA	43	NA	NA	60	NA	200
2-Butanone	40	NA	19	NA	NA	18	NA	300
Ethylbenzene	6	NA	ND	NA	NA	ND	NA	5,500
Styrene	2J	NA	ND	NA	NA	ND	NA	16,000,000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Naphthalene	28J	NA	ND	NA	ND	160J	NA	13,000
2-Methylnaphthalene	[illegible]	NA	[illegible]	NA	[illegible]	[illegible]	[illegible]	[illegible]
Acenaphthylene	ND	NA	ND	NA	ND	48J	NA	41,000
Acenaphthene	ND	NA	ND	NA	ND	68J	NA	50,000
Phenanthrene	44J	NA	26J	NA	ND	ND	NA	50,000
Anthracene	ND	NA	6J	NA	ND	ND	NA	50,000
Di-n-butylphthalate	ND	NA	22JB	NA	ND	ND	NA	NE
Fluoranthene	49J	NA	40J	NA	29J	650	NA	50,000
Pyrene	99J	NA	37J	NA	25J	1,200	NA	50,000
Benzo (a) anthracene	41J	NA	ND	NA	ND	600	NA	224
Chrysene	86J	NA	ND	NA	ND	670	NA	400
bis(2-Ethylhexyl) phthalate	1,500	NA	120J	NA	ND	15,000	NA	880*
Benzo (b) fluoranthene	39J	NA	ND	NA	ND	300J	NA	880*
Benzo (k) fluoranthene	34J	NA	ND	NA	ND	230J	NA	1,100
Benzo (a) pyrene	ND	NA	ND	NA	ND	320J	NA	61
Indeno (1,2,3-cd) pyrene	ND	NA	ND	NA	ND	84J	NA	880*
Benzo (g,h,i) perylene	ND	NA	ND	NA	ND	55J	NA	50,000
PCBs (ug/Kg)								
Aroclor -1242	ND	NA	ND	ND	ND	13,000	NA	NE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND	[illegible]	[illegible]
Aroclor -1260	ND	NA	91	ND	ND	ND	NA	NE
Total PCBs	49J	NA	180	ND	ND	13,000	NA	1,000/ 10,000**
8 RCRA Metals (mg/Kg)								
Arsenic	23.1	4.3	14.1	5.6	7	8.4	8.3	7.5 or background
Barium	1000	349	312	410	245	198	133	300 or background
Cadmium	2.6	0.22U	0.24U	0.22U	0.23U	0.22U	0.35U	1.0 or background
Chromium	163	83.4	60.9	97.5	97.7	40.7	46.9	10 or background
Lead	1770	208	593	34	24.5	372	97.8	background
Mercury	1.1*N	0.10U*N	0.12U*N	0.078U*N	0.092U*N	0.19*N	0.35*N	23*
Selenium	5.6	2	5.6	1.6	2.3	3.9	3.9	2.0 or background
Silver	6.2	0.22U	6.2	0.22U	0.23U	1.2B	0.35U	390*

Notes:

Soil samples collected on March 5, 1998

ug/Kg: microgram per kilogram or part per billion.

mg/Kg: milligram per kilogram or parts per million.

B: Indicates compound was found in the associated blank.

J: Value is less than the laboratory reporting limit but greater than zero.

NA: Not Analyzed

ND: Not Detected above lab quantitation limits.

NE: None Exists

[ ] Exceeds Regulatory Guidance Limit

Regulatory Guideline: "New York State Department of Environmental Conservation (NYSDEC) Hazardous Waste Remediation Division Technical and Adminstative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-92-4046", November 16, 1992.

* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III.
Risk-Based Concentration (RBC) Table. April 19, 1996. [Category: "soil ingestion:residential" (most stringent)]

** PCB Cleanup Guideline 1,000 ug/kg in surface soils, 10,000 ug/kg in subsurface soils

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Groundwater Sample ID	PW-1	SB-3-GW	Regulatory Guideline
PARAMETER DETECTED			
VOCs (ug/L)	ND	ND	Various
SVOCs (ug/L)			
Diethylphthalate	ND	0.7J	50
Di-n-butylphthalate	0.6JB	ND	NE
bis(2-Ethylhexyl) phthalate	0.8J	ND	4.8*
8 RCRA Metals (mg/L)			
Arsenic	2.0U	2.0U	25
Barium	27B	68J	1,000
Cadmium	1.3B	1.5B	10
Chromium	1.0U	1.3B	50
Lead	1.1B	1.8B	25
Mercury	0.2U	0.3	2
Selenium	2.0U	2.0U	10
Silver	1.0U	1.0U	50

Notes:
Groundwater samples collected on March 5, 1998
ug/L: microgram per liter or part per billion.
mg/L: milligram per liter or parts per million.
NA: Not Analyzed
ND: Not Detected above laboratory quantitation limits.
NE: None Exists
J: Value is less than the laboratory reporting limit but greater than zero.
B: Indicates compound was found in the associated blank.
Samples collected from PW-1 collected in pre-preserved containers for total 8 RCRA Metals Analysis
Samples collected from SB-3-GW filtered prior to preservation for dissolved metals analysis
Regulatory Guideline: "Water Quality Regulations, Surface Water and Groundwater Classifications and Standards 6NYCRR, Title 6, Chapter X, Parts 700-705", September 1991, amended October 7, 1993.
* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III. *Risk-Based Concentration (RBC) Table*. April 19, 1996. [Category: "tap water" (most stringent)]

AKRF, Inc.

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVENUE
HARRISON, NEW YORK
PROJECT NUMBER: 5235

Prepared for:
500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York
10528-1600

Prepared by:
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April 1997

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FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Plan

APPENDICES

Appendix A - Photographic Documentation

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York. The approximately 34.5 acre site consisted of a five-story office building with an approximately 52,000 square foot footprint. The remaining portions of the study site included bituminous paved tenant parking areas and landscaped shrubbery, lawns, and two ponds. The eastern portion of the study site contained undeveloped wooded land. Construction of the structure began in 1984, and tenants began occupancy around 1987. Prior to its current usage, the northern portion of the study site was used as a domestic refuse transfer station (from 1970 to the early 1980's) and a domestic refuse incinerator (from 1954 to 1969).

No on-site leaks, discharges, or evidence of spillage of hazardous materials were observed at the study site. No current uses indicated potential environmental concerns. No off-site sources of contamination were identified. The following conditions were noted:

- Historical research indicates that prior study site uses include a solid waste transfer station, and a domestic refuse incinerator.

- One water supply well was identified on-site. The well was reported to be used to fill the eastern pond twice a year subsequent to draining and cleaning the pond, and is not used as a potable water source. Water pumped out of the pond is discharged to the Westchester County storm sewers.

- The study site utilizes a 20,000-gallon fuel oil underground storage tank. The fiberglass reinforced tank, installed in 1982, is permitted until January 18, 1999, and appears to meet current New York State Department of Environmental Conservation (NYSDEC) and Environmental Protection Agency (EPA) tank regulations.

Past usage of the study site as a transfer station and incinerator may have affected soil and groundwater beneath the study site.

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1 - Site Location Map. The study site is defined by the Town of Harrison as Block 482, Lot 8 and is shown on Figure 2 - Site Plan. The approximately 34.5 acre study site is currently occupied by one five-story commercial office building with a sub-basement. The building was originally constructed in 1983, with tenant occupancy beginning around 1986. The remaining portions of the study site include bituminous paved parking areas and landscaped shrubbery and lawns. Properties abutting the site include: 550 Mamaroneck Avenue, an office building, to the north; residential buildings to the east; 450 Mamaroneck Avenue, an office building, to the south; law offices and the Acorn Farm & Garden Center to the east along the southern parking area; and the Mamaroneck River to the east across Mamaroneck Avenue.

The scope of services for this assessment included the following:

- A review of published geological and groundwater information to determine the possibility of contamination from off-site sources.

- A review of historical Sanborn Fire Insurance Maps for the study site and adjacent properties.

- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the US EPA Civil Enforcement Docket.

- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); and Major Oil Storage Facilities (MOSF).

- A review of available local Building Department, Engineering Department, Health Department, Fire Department, and Tax Assessor's records was conducted to obtain any information pertinent to the assessment of the environmental condition of the study site. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on February 12, 1997 by Mr. Timothy J. Groninger of AKRF, accompanied by Mr. John Stilgebauer, building superintendent. The inspection was conducted at 8:00 a.m. At the time of the inspection, the weather was fair (35° F) and overcast. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The study site contained of a four-story office building and associated parking. The site consisted of approximately 34.5 acres, including approximately 17 acres of undeveloped woodland located along the eastern side parcel. The building was originally constructed in 1983, with tenant occupancy beginning in 1986. Bituminous paved parking areas were located north, east, and south of the building. One artificial pond with an artificial waterfall was located east of the building, and one smaller pond was located west of the building. The waterfall was supplied water via an on-site well located along the northern edge of the pond. The pump for the waterfall was located within a pump house. A 5-gallon bucket of antifreeze was observed in the pump house, which Mr. Stilgebauer used as coolant for the pump. According to Mr. Stilgebauer, water in the pond is replaced twice a year when the pond is cleaned. Study site stormwater, including storm drains located throughout the parking lot, and the outflow from the pond, discharge to county storm sewers located along Mamaroneck Avenue. A fill cap and access vault cover for an underground fuel oil storage tank were noted between the southeastern wall and the sidewalk. Mr. Stilgebauer stated that the tank had a 20,000 gallon capacity.

The western side of the study site was landscaped with lawn areas and a small pond surrounded by taller grasses and other vegetation. Several air conditioning units were noted along the western edge of the building. No unusual staining, odors, or storage of hazardous materials were observed over the study site exterior.

The building consisted of five stories and a sub-basement. The building was constructed of a lift-slab on steel frame with a glass facade and contained offices for the following tenants: Advantis, American Express Financial Services, Bank of New York, Canada Life Insurance Company of New York, Castle Oil Corporation, Food City Markets, Frenchrail, Tom Julius, Metric Tours, Rail Europe Group, Rich Worldwide, and Schulman Realty. Tenants occupied each floor, and maintenance/facilities and a cafeteria occupied the second floor.

The sub-basement utilities included: five fuel oil boilers, two 300-ton Trane air conditioning units, four Graham blower control units, four 40-hp air supply fans, four 20-hp air return fans, and the pneumatic control system compressor. The compressor blow-out piping was connected to a floor drain. According to Mr. Stilgebauer, the floor drain was connected to the County sanitary sewer. Sub-basement chemical storage included six 55-gallon drums labeled "EGI Coolant," used as

antifreeze for the boiler cooling water, and several bags of asphalt mix. The drums were empty, and Mr. Stilgebauer informed AKRF that he was in the process of switching coolant brands.

The fire control system for the building was located in the central portion of the basement, which was referred to as the first floor by the building owners. The fire control system consisted of ceiling-mounted water sprinkler units. Chemical storage in the fire control room included paints, thinners, and motor oil, which were observed to be neatly stored in a combustion cabinet.

The elevator room, located east of the elevator shaft on the basement ("first") floor included five hydraulic units that appeared to be in good condition. No staining or other evidence of leakage was noted. Mr. Stilgebauer informed AKRF that maintenance for these components was contracted off-site; no on-site oil storage was necessary. One partially empty five-gallon pail of #27 hydraulic oil was observed in the elevator room. The electric and telephone rooms, located on the basement ("first") floor, were observed to be clean and free of debris. The cafeteria, located in the northern portion of the basement ("first") floor, included a full kitchen, several refrigeration units, stoves, and a dishwashing machine. Dishwashing wastewater was discharged to a floor drain, which was reported to be connected to County sanitary sewer.

2.2 Topography and Hydrogeology

The site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the study site, based on the National Geodetic Vertical Datum (NGVD) of 1929, according to the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck, New York Quadrangle. Based on topographic mapping and features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the study site.

According to the September 1994 General Geology Map of Putnam and Westchester Counties, New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property, as shown on Figure 2.

2.3 Storage Tanks (USTs and ASTs)

2.3.1 Underground Storage Tanks (USTs)

One registered underground storage tank was located on-site, approximately 50 feet southeast of the southeastern corner of the building. The 20,000 gallon tank, containing No. 2 fuel oil, is used to heat the building.

Off-site USTs are discussed in Section 4.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

No aboveground storage tanks were noted during the site inspection.

2.4 Polychlorinated Biphenyls (PCBs)

Two concrete pad-mounted electric transformers were identified on-site. One of the transformers, located on the northwestern corner of the study site, was owned by Consolidated Edison. The second transformer, located north of the building between rows of parking, was owned by 500 Mamaroneck Avenue Associates. Both transformers were observed to be in good condition, with no visible signs of staining.

2.5 Utilities

Consolidated Edison (ConEd) supplies electricity and Westchester County provides potable water and sanitary sewer service to the study site. According to representatives from the Harrison Building Department, water and sewer service were connected at the time of the building's construction.

2.6 Waste Management and Chemical Handling

Five dumpsters were located on the study site; three were located in the southern parking area and two were located in the northern parking area. No hazardous materials or staining were noted around the dumpsters. The dumpsters were reported to be emptied daily by A-1 Compaction. Waste paper for recycling was observed in a room on the eastern side of the second floor. Floor drains were connected to the sanitary sewer system, and site drainage discharged to Westchester County storm sewers, located along Mamaroneck Avenue.

Maintenance- related chemicals, such as cleaning agents, paints, oils, antifreeze, and deicing agents were stored in sufficient quantity for short term use. Observed chemicals were neatly stored in clearly marked containers. No long term storage of these chemicals was observed.

3.0 ADJACENT LAND USE

According to the Town of Harrison Building Department, the subject property is located in an area zoned SB-1, Special Business, which allows for commercial office space. The study site is abutted by: 550 Mamaroneck Avenue to the north (multi-story commercial office building); residential areas to the east; 450 Mamaroneck Avenue (multi-story commercial office building housing Citicorp North America), the Law Offices of Clune, Hayes, Frey, Bentzen, & Cline, P.C. (single-story converted office space) and Acorn Farm & Garden Center (retail) to the west; and the Mamaroneck River to the west across Mamaroneck Avenue.

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2.5
2.5
12

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Sanborn Mapping

Maps of the study site and vicinity were requested from the Sanborn Mapping and Geographical Information Service. Sanborn maps dated 1996, 1995, 1994, 1993, 1992, 1990, 1950, and 1934 were available and were reviewed. Details from the maps are as follows:

1996 The subject property and surrounding areas appeared similar to present conditions. The study site was identified on the map as a glass office building constructed in 1987. Two office buildings were mapped north of the study site, beyond which was the Kentucky Riding Stables. Harrison High School and a utility substation were located northeast of the study site, beyond a row of houses on Union Avenue. Additional residential areas were identified to the east and southeast. No coverage was available to the south and west.

1995 - 1990 The study site and surrounding areas appeared similar to the 1996 map.

1950 The study site was undeveloped. Property boundaries in this vicinity appeared different to the property lines noted in later maps. North-adjacent office buildings shown in later maps were not present. The Kentucky Riding Stables was labeled the Kentucky Riding Academy. The utility substation and Harrison High School were not present. None of the residences shown in later maps along Union Avenue were present. Residential areas located to the east and southeast of the study site were noted to be less densely developed.

1934 The study site and surrounding areas appeared similar to the 1950 map. Residential areas located southeast of the study site were noted to be less densely developed than in the 1950 map.

4.2 Regulatory Review

AKRF reviewed federal, state, and local records to identify the use, generation, storage, treatment, and/or disposal of hazardous materials and chemicals, or releases of such materials which may impact the subject site. AKRF personnel reviewed databases maintained by the US EPA and New York State Department of Environmental Conservation (NYS DEC) for the study site and adjacent areas.

4.2.1 Federal

The federal records reviewed included the National Priority List (NPL) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the Civil Enforcement Docket.

National Priority List (NPL)

The NPL is the US EPA's database of hazardous waste sites identified for probable remedial action under the Superfund Program.

No NPL sites were identified within a one-mile radius of the study site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the EPA has investigated, or plans to investigate, for a release or threatened release of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA).

No CERCLIS sites were identified within a one-half mile radius of the site

Emergency Response Notification System (ERNS)

This federal database is compiled from the Emergency Response Notification System records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property is not currently listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the US EPA and/or NYS DEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. Data includes the maximum amount stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on transfer of chemicals off-site.

No TRIS sites were identified within a one-quarter mile radius of the project site.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the US EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

The subject property is not currently included on the US EPA's Civil Enforcement Docket.

4.2.2 State

The state regulatory databases reviewed included the listings of hazardous material spills (SPILLS), Leaking Storage Tanks (LRST), Resource Conservation and Recovery Act Notifiers (RCRA), Chemical Bulk Storage (CBS), Solid Waste Facilities (SWF), Petroleum Bulk Storage (PBS), and Major Oil Storage Facilities (MOSF).

New York SPILLS Database

The New York SPILLS database includes a list of toxic spills, which are divided into six groups: Active Status - Tank Failures, Active Status - Tank Test Failures, Active Status - Other Spills, Closed Status - Tank Failures, Closed Status - Tank Test Failures, and Closed Status - Other Spills.

New York Leaking Storage Tanks

The New York Leaking Storage Tanks (LRST) database includes a list of tank test failures and a list of tank failures that have not yet been resolved.

No leaking storage tanks were recorded within a one-half mile radius of the site.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYS DEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA.

No RCRA Treatment, Storage, and Disposal facilities were identified within a one-mile radius of the study site. No RCRA generator/transporter sites were reported within a one-quarter mile of the property.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No chemical bulk storage facilities are listed within a one-quarter mile radius of the site.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers and other sites that manage solid waste.

No solid waste facilities are listed within a one-mile radius of the subject property.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground and less than 400,000 gallons.

The study site and three other petroleum bulk storage sites are listed as containing storage tanks. Details of these facilities are as follows:

Facility/Address	Capacity (gallons)	Contents	Date Installed	Status	Approximate Distance/ Hydrogeologic Direction
500 Mamaroneck Avenue	20,000	fuel oil	12/82	in use	study site
Mendik Realty Company, Inc./ 550 - 600 Mamaroneck Avenue	15,000	fuel oil	1/69	in use	570 feet south/ lateral gradient
	15,000	fuel oil	1/71	in use	
Citicorp North America, Inc./ 450 Mamaroneck Ave.	5,000	fuel oil	10/80	in use	580 feet north/ lateral gradient
The Bank of New York/ 440 Mamaroneck Avenue	6,000	gasoline	3/80	in use	718 feet north/ lateral gradient
	6,000	gasoline	3/80	in use	
	7,500	fuel oil	12/79	in use	
	7,500	fuel oil	12/79	in use	
	275	fuel oil	12/79	in use	

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

No Major Oil Storage Facilities were recorded within a one-quarter mile radius of the study site.

4.2.3 Local

Records maintained by the Tax Assessor, Fire Marshal, Health, Building and Engineering Departments were investigated to determine the potential presence of hazardous materials. These records typically include fuel oil, gasoline and used oil tank installation applications and permits and records of prior uses. Available files pertaining to this property were obtained and reviewed.

Tax Assessor

According to the Village-Town of Harrison Tax Assessor's property card, the property, referred to as Block 482, Lot 8, is listed as a developed lot owned by 500 Mamaroneck Avenue Associates. This property was combined from Lots 26, 26.1, and 8 in two transactions in 1983. The current study site parcel comprises 34.54 acres. Previous site owners, as documented in the Tax Assessor's office, are as follows:

Owner of Record	*Date Purchased*
500 Mamaroneck Avenue	May 16, 1985***
Lowell M. Schulman	July 6*, July 28, 1983**
Arthur Marros	January 14, 1953**
Peter Panousis	prior to 1940**
Town of Harrison	prior to 1940*

Notes: *Lots 26 and 26.1
**original Lot 8
***new Lot 8, incorporating the original Lot 8, and Lots 26 and 26.1

Building Department

According to records maintained by the Building Department, no complaints or violations were on file for the study site or surrounding areas. According to a zoning map viewed by AKRF personnel in the Building Department, the site is located in an SB-1 Zone, Special Business. The areas north and south of the study site are also zoned SB-1 The area east of the study site is zoned for residential use. .

According to Building Department records, the study site was used as a municipal refuse

incinerator from 1954 to 1970 and a municipal refuse transfer station from 1970 to 1983. Construction for the foundation of the present structure began in October 1984, and construction of the main four-story office building began in April 1985.

Engineering Department

According to Ms. Carol McGowan of the Village-Town of Harrison Engineering Department, 500 Mamaroneck Avenue is connected to municipal sanitary sewer and potable water services. The study site is within the Mamaroneck Valley Water District of the Westchester Joint Water Works.

Health Department

A Freedom of Information Letter was sent to the Westchester County Department of Health. At the time of release of this report, no information had been provided by this agency.

Fire Marshal

According to an employee of the Village-Town of Harrison Fire Department, the Fire Marshal of the Village-Town of Harrison transferred all records to the Village-Town of Harrison Building Department. No information regarding underground storage tanks, oil and/or chemical spills, storage of hazardous materials or fires was on file for the study site property.

5.0 CONCLUSIONS

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York. The approximately 34.5 acre site consisted of a five-story office building with an approximately 52,000 square foot footprint. The remaining portions of the study site included bituminous paved tenant parking areas and landscaped shrubbery, lawns, and two ponds. The eastern portion of the study site contained undeveloped wooded land. Construction of the structure began in 1984, and tenants began occupancy around 1987. Prior to its current usage, the northern portion of the study site was used as a domestic refuse transfer station (from 1970 to the early 1980's) and a domestic refuse incinerator (from 1954 to 1969).

No on-site leaks, discharges, or evidence of spillage of hazardous materials were observed at the study site. No current uses indicated potential environmental concerns. No off-site sources of contamination were identified. The following conditions were noted:

- Historical research indicates that prior study site uses include a solid waste transfer station,

and a domestic refuse incinerator.

- One water supply well was identified on-site. The well was reported to be used to fill the eastern pond twice a year subsequent to draining and cleaning the pond, and is not used as a potable water source. Water pumped out of the pond is discharged to the Westchester County storm sewers.

- The study site utilizes a 20,000-gallon fuel oil underground storage tank. The fiberglass reinforced tank, installed in 1982, is permitted until January 18, 1999, and appears to meet current New York State Department of Environmental Conservation (NYSDEC) and Environmental Protection Agency (EPA) tank regulations.

Past usage of the study site as a transfer station and incinerator may have affected soil and groundwater beneath the study site.

6.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property. The work was performed by AKRF personnel in accordance with our February 5, 1997 proposal and is subject to AKRF's General Terms and Conditions. The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E 1527-94, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. It is intended for use as a guide in determining the presence or absence of hazardous materials on the subject property at the time of the inspection. Environmental characteristics at this site and surrounding sites will change.

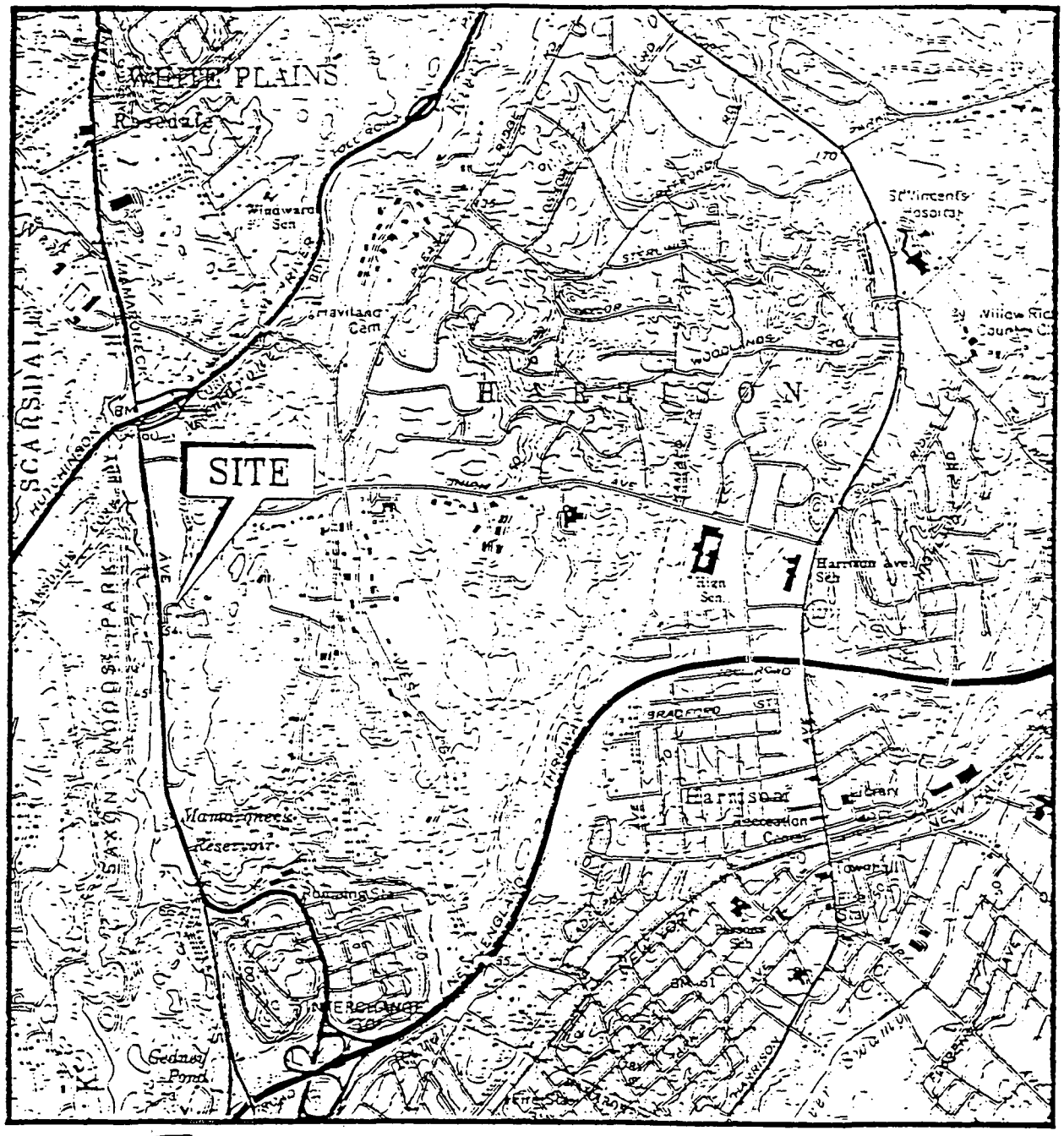
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances.

7.0 REFERENCES

1. U.S. Geological Survey; Mamaroneck Quadrangle - N.Y. - Conn.; 7.5 Minute Series (Topographic); Scale 1:24,000.

2. Environmental Risk Information & Imaging Services; *500 Mamaroneck Avenue, Harrison, New York; ERIIS Custom Detail Radius Report*; February 12, 1997.

3. United Stated Department of Agriculture, Soil Conservation Service; *Soil Survey of Putnam and Westchester Counties, New York*; September 1994.



SCALE IN FEET

0' 500' 1000' 1500' 2000' 3000' 4000'

SCALE: 1" = 2000'

QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAP – MAMARONECK, N.Y.–CONN. QUADRANGLE – DATED 1967 PHOTOREVISED 1975.

N
W E
S

500 MAMARONECK AVENUE
MAMARONECK, NEW YORK

SITE LOCATION MAP

AKRF, Inc.
Environmental Consultants
149 Water Street Norwalk, Connecticut 06854

DATE 2/12/97

PROJECT No. 5235

FIGURE No. 1

© 1997 AKRF, Inc. Environmental Consultants C:\5235\F1

U.S. HYDROGEOLOGIC, INC.

ENVIRONMENTAL

AUDIT

October 26, 1989

Prepared By:

U.S. Hydrogeologic, Inc.
328 Main Mall
Poughkeepsie, NY 12601

Prepared For:

Henry M. Celestino
Schulman Management
925 Westchester Ave.
White Plains, NY 10604

Project Manager:

John A. Conrad
Senior Hydrogeologist

This preliminary investigation assesses the likelihood that contamination from hazardous or regulated materials stored, used or disposed of is present on the property described herein. This report has been prepared in conformance with reasonable investigatory practices, including the review of public records, inspection of site vegetative and topographic features and such other analytic procedures as we considered necessary in the circumstance.

October 26, 1989

Job Number: SH90200

Site Identification:	Town of Harrison, Westchester County Tax Block 428, Lot 8, (formerly Lots 8, 26, and 26.1)
Property Size:	34.65 acres

1.0 Introduction

This Environmental Audit is intended to identify potential environmental risks associated with the storage, use, transport, or disposal of hazardous or regulated materials on a 34.65 acre parcel in the Town of Harrison, Westchester County, New York, Tax Block 428 Lot 8, (formerly lots 8, 26, and 26.1).

The specific components of this investigation are as follows:

1. Investigation of the site's history, including a review from readily available sources that document changes or activities of concern on the subject property and adjacent properties. For this analysis, aerial photographs taken during the years 1947 - 1986 were reviewed in addition to road maps, USGS topographic maps, Town of Harrison tax maps, assessment records, and interviews with current facility owner/operators. A complete list of sources and personal communications are provided in Section 5.0 of this report.

2. Review of records maintained by state and local environmental agencies, including NYSDEC petroleum and chemical bulk storage records, the USEPA National Priority List and the NYSDEC list of inactive hazardous waste sites, Westchester County Health Department records.

3. Site inspection of the property, with particular concern for topographic or vegetative indications of surface or subsurface contamination.

4. Laboratory analysis of soil and groundwater samples.

This written analysis is an assessment of the 34.65 acre site in the Town of Harrison, New York, and is not valid for any other property or location. It is a representation of the property analyzed as of the dates of record reviews and the site inspection. This report cannot be held accountable for activities or events resulting in contamination after the date of site inspection or historic research.

This Audit was performed in accordance with generally accepted practices. The findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on our professional judgement concerning the significance of the limited data gathered during the course of this study. Specifically, this assessment does not and cannot represent that the site contains no contamination from hazardous materials.

This Audit is based in part on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state and/or local agencies available at the time of this Audit. No attempt was made to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

It is intended for the sole use of Schulman Management and must be used in its entirety.

2.0 Site Location and Description

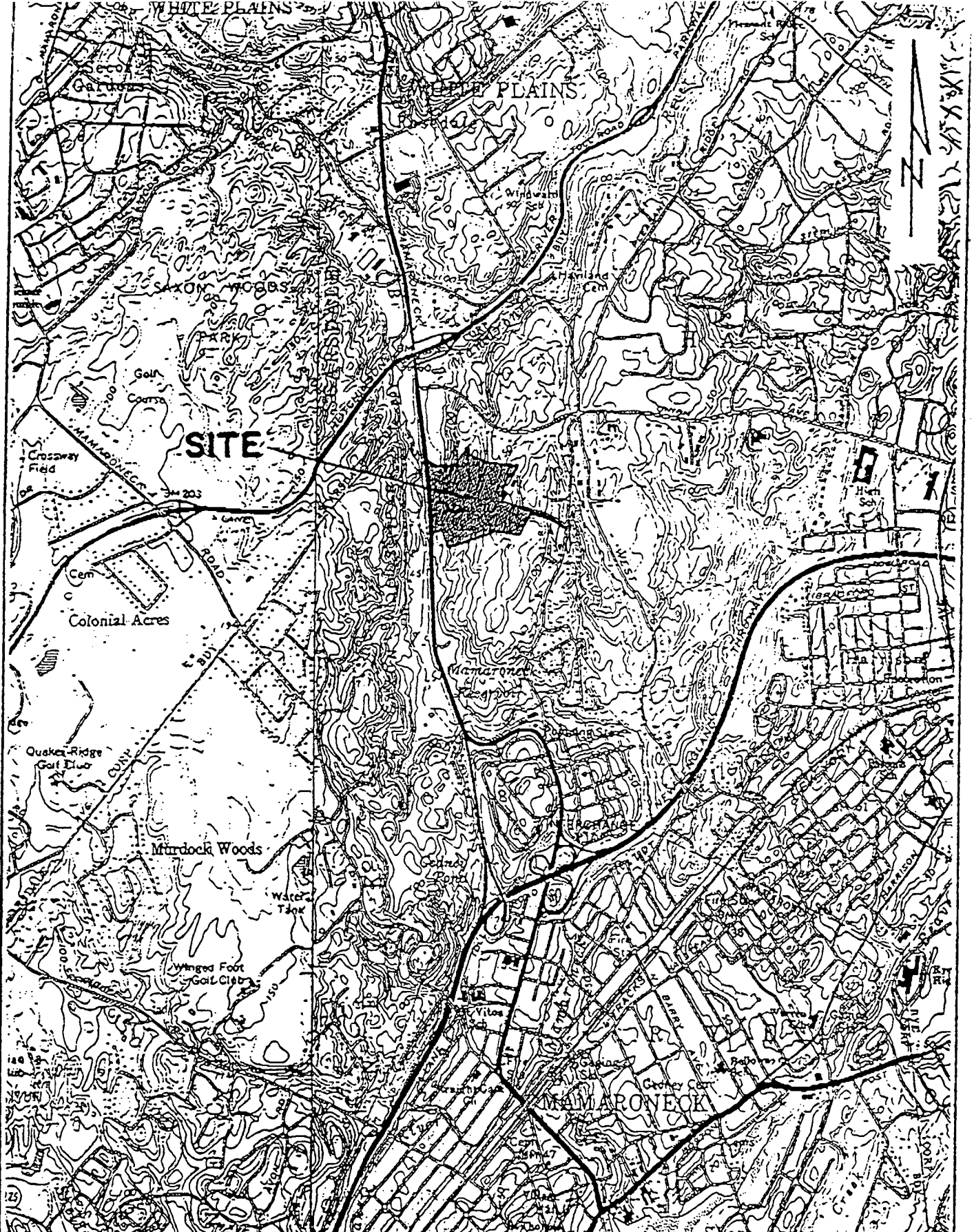
The subject property consists of 34.65 acres in the Town of Harrison, Westchester County, New York. The property is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue (Location Map). The entire site is comprised of one tax parcel, Lot 8 (formerly Lots 8, 26, and 26.1), and has approximately 1000 linear feet of frontage along Mamaroneck Avenue. The property also has 25 feet of frontage on Winfield Avenue.

Approximately 14 acres of the site have been improved in conjunction with the construction of one five-story office complex, totalling 275,000 square feet. Each story contains 55,000 square feet in gross floor area. The parking area covers approximately 9 acres. Water is provided by the municipal system. The site has no drinking water wells. One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system. Site features are shown on the Site Features Map.

Site topography has changed substantially as a result of on-site construction activities. Approximately 200,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site.

The site currently rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

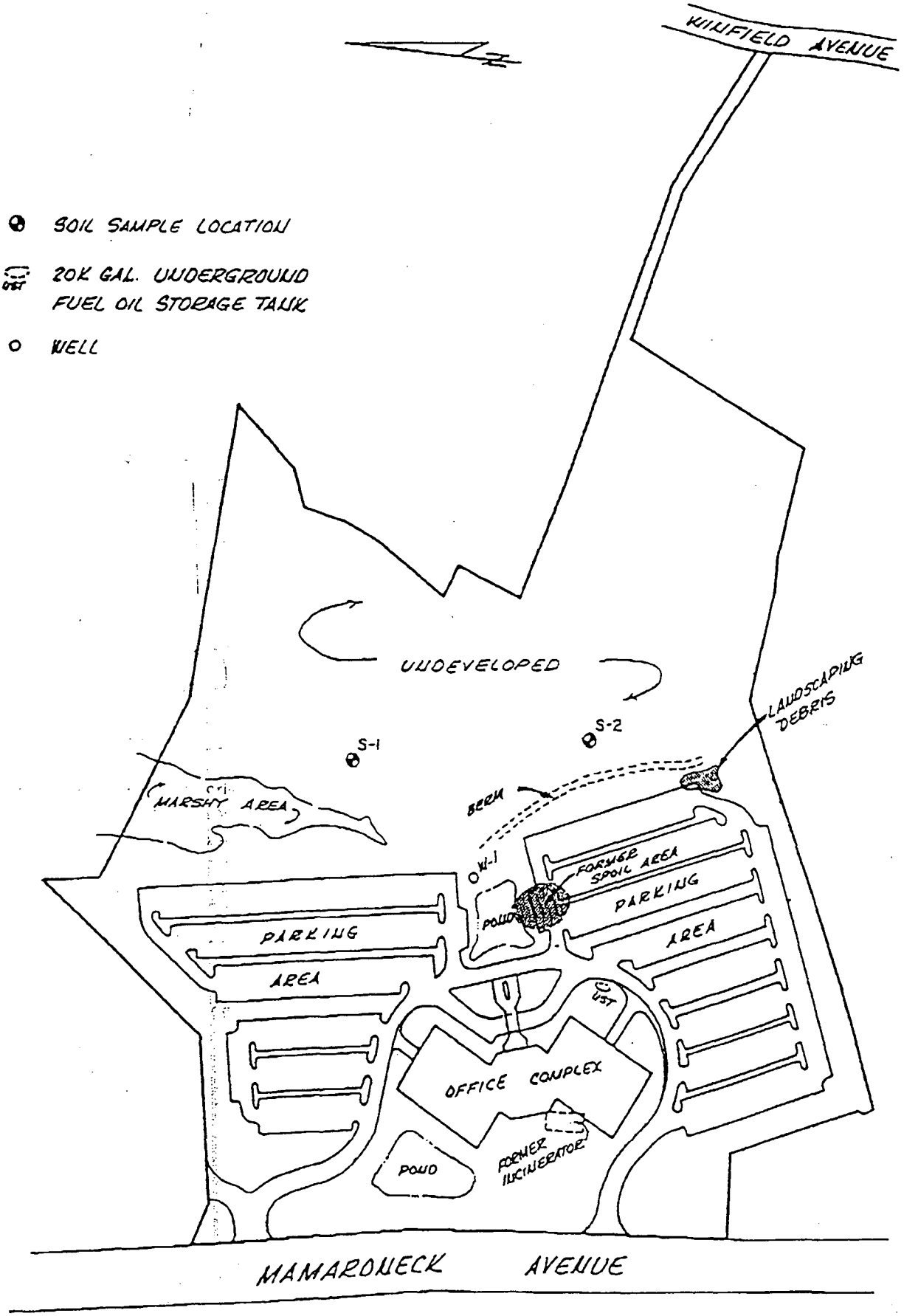
The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store. All adjacent parcels are down-gradient of the undeveloped portion of the subject property.



BASE MAP: USGS Topographic Quadrangles - Mamaroneck, 1967, photoinspected 1975 & Mount Vernon, 1966, photorevised 1979

SITE LOCATION	DATE: 10/89
	SCALE: 1"=2000'
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 4

JUL 7'97 19:17 FR ENS 212 225 5166 TO 98488300 212 225 5166 P.06/44



NOTE: All locations are approximate.

BASE MAP: Compiled from Westchester County Tax Maps & GZA Environmental Assessment - Figure 2, Site Plan, May 1986

SELECTED SITE FEATURES & SAMPLE LOCATIONS	DATE: 10/89
	SCALE: N/A
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 5

3.0 Background Investigation

3.1 Site History

Subject Property:	Tax Map Town of Harrison Block 428, Lot 8 (formerly Lots 8, 26, and 26.1)	
		Date of Purchase
Current Owners[1]:	Schulman, Lowell M.	1983 to present
Previous Owners[1]:	Lot 8: Arthur Marros	to 1983
	Lot 26: Town of Harrison	to 1983
	Lot 26-1: Richard Harmony	to 1983

The site currently contains one primary structure: a five-story office building (275,000 square feet) and associated paved parking and landscaping. Tax records list one office building, built in 1986, and one receiving dish of steel and aluminum construction installed in 1989. Records also show that this site is provided with municipal water and sewer.

A series of aerial photographs showing the subject property and surrounding property during the years 1947-1986 were reviewed in order to assess changes on the subject property and surrounding area.

Tax records show that the site is the former location of the Town of Harrison incinerator. This incinerator was reportedly built in 1954, and demolished in 1984.

A review of aerial photographs shows that up until 1954 the subject property appeared to be vacant land. In the 1954 aerial, the Town incinerator is clearly visible. From 1954 until 1980, the aerials show no major changes on the site. The incinerator appears in all of these aerials. In several of the aerials, a faint path or roadway is visible leading from the incinerator to the rear of the property. Also consistently visible in these aerials is a small area of soil disturbance located near Mamaroneck Avenue, north of the incinerator, on the subject property. No additional large scale soil disturbance or debris was noted on the subject property during this time period.

In the 1986 aerial, the current building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

From 1947 to 1960, there were signs of soil disturbance on properties located adjacent to and north of the subject property. This did not appear to be associated with construction of buildings which later occurred on the sites. In the 1960 aerial, which is of poor resolution, there is no sign of continued soil disturbance. A 1971 aerial of the area shows two buildings located on those adjacent sites which formerly showed signs of soil disturbance.

[1]Information on current or former property ownership is gathered from property cards and/or Westchester County records. This does not constitute a title search.

JUL 7'97 19:18 FR BNS 212 225 5166 212 225 5166 TO 96468500 P.08/44

Two previous environmental assessments have been conducted. Copies of these reports are included in Appendix B. The first study is dated May 1986 and included limited soil and groundwater analysis. No areas of environmental concern were identified. A second study dated April 1988 again identified no environmental concerns.

3.2 Regulatory Review

A routine check of state and federal documents and sources was performed to identify recorded hazardous waste or regulated substance activities on the subject property.

The property is not listed with state or federal agencies as an inactive hazardous waste site. The nearest inactive hazardous waste site is Mamaroneck Senior Citizens Housing (Site Code 36002) in the Village of Mamaroneck, approximately 2.2 miles southeast of the subject property. Sampling of soil and wastes in May 1988 confirmed the presence of hazardous industrial waste resulting from activities in the 1950s to the early 1970s on the 7.85 acre Mamaroneck Senior Citizen's Housing site.

One underground storage tank is currently registered with the NYSDEC for this property. The tank is used for storing heating oil. Tank capacity is 20,000 gallons. The tank registration number is 494429.

The property is not currently registered with federal or state governmental agencies as a small quantity generator of hazardous waste, nor are the adjacent properties.

3.3 Site Investigation

The site inspection was conducted on October 12, 1989 in order to address any potential concerns raised during the investigations of historical records and regulatory agency records (above, Section 3.1 and 3.2) and to identify any additional indications of contamination from the storage, use and/or disposal of hazardous or regulated materials. An unoccupied portion of the facility was inspected, as well as the surrounding developed and undeveloped property. A visual inspection of adjacent and nearby properties was performed in conjunction with this inspection.

<u>Structures</u>

The site contains a 275,000 square foot office structure, constructed in 1986 by the current property owners. The building is a concrete and glass structure. There was no evidence of asbestos containing materials (ACM) in the walls or ceilings and there was no ACM visible on the hot water heating pipes inspected during the course of the internal inspection.

Internal areas inspected appeared to be free of lead paint, consistent with the age of construction. There is no evidence of older painted material in the building.

One transformer is present on the site, identification number 44W77W83. The transformer is the property of Consolidated Edison Company and is installed during construction of the existing facility, in 1986. Con Ed has verified that this transformer contains no PCBs. The transformer is stationed on concrete pads and secured; there was no evidence of oil leakage around the transformer.

Internal areas currently occupied by building lessees was not inspected; however, both tenants utilize the building for office purposes or for computer disassembly and reassembly. No chemicals are reported stored in these areas by the facility maintenance engineer, and no hazardous waste is generated by activities on the site.

The 20,000-gallon underground fuel oil storage tank is situated along the edge of the south parking area. The tank was installed in May 1986 and is constructed of fiberglass-reinforced plastic with steel piping. A vapor monitor leak detection system is in place. According to the facility engineer, product inventory is updated daily and there have been no leak or spill incidents. The tank was precision-tested following installation.

The area surrounding the bulk petroleum underground storage tank was relatively free of discoloration. Minor spillage, likely occurring during the course of filling the tank, was evident. The stained area was restricted to immediately around the fill pipe, and is not considered an indication of soil contamination.

Property

The property surrounding the building is comprised of a portion which is developed as parking and landscaping for the building, and a portion which is currently undeveloped. Both areas were physically inspected.

There was no indication of site contamination in the developed portion of the property. There was no surface staining in the parking area or the landscaped portion of the property. Drainage culverts did not appear to be stained, and the storm water detention area was generally free of foreign material (small amounts of leaves and other natural debris were present in the upper portion of the water detention area). Standing water in the lower portion of the detention area appeared to be slightly murky but was not discolored in any way. Further, there was no evidence of a sheen or oily film on this water.

At the extreme southeastern portion of the parking lot was a small landscaping debris area. The debris consisted of discarded plants, grass clippings, wooden baskets, and a few empty one to five gallon oil cans. There was no surface staining evident in this area. Slight turbidity of the standing water is likely the result of a sand pile present up-gradient of the water.

There was no evidence of contamination in the undeveloped portion of the site. This portion of the property is generally well-vegetated with mature hardwoods, indicative of an area undisturbed for a long period of time. The understory on the site appeared healthy, and consistent with the surrounding woodlands. There were no indications of vegetative stress in the trees or the understory, particularly in low-lying areas.

There is a sizable wet area in the northern portion of the property, immediately east of the parking area. This water was free of foreign material, and there was no evidence of water discoloration or sheens.

There is an elongate topographic high, or berm, immediately east of the south parking lot. This berm extends from the southeastern corner of the parking area to the beginning of the waterfall. White pines have been planted at regular intervals along its length. Vegetation along the berm is thick and healthy.

There was no evidence that material had been buried or disposed of in the undeveloped portion of the property. No berms, sinkholes, trenches or other evidence of buried material were identified. Further, there was no evidence of access roads or paths entering the undeveloped portion of the property, with the exception of the above mentioned construction road.

Prior reports on the property identified a berm located in the south-central portion of the property (see GZA report, Appendix B) and a "spoil area (misc. debris)" (EIS on 500 Mamaroneck Avenue, map on page C-2).

Those two areas are located entirely within the area disturbed during site development. It is assumed that a substantial amount of soil from the spoil area was removed from the site. The elevation of the current parking area is approximately 12-16 feet lower than the spoil areas, as estimated from a comparison of a map of 1983 site conditions and proposed site plan drawing.

Soil Samples

Two soil samples were collected from the site for laboratory analysis. The locations of these samples, S-1 and S-2, are shown on the Sample Location Map. Each sample was analyzed for cadmium, chromium and lead. The results of the analysis are summarized below:

Test	Sample S-1	Sample S-2
Cadmium	<1.41	<1.56
Chromium	65.4	41.7
Lead	136	77.6

* concentrations are mg/kg

Although each sample showed slightly elevated levels of the three metals, neither sample location exhibited high concentrations indicative of incinerator residue. Higher than normal metal concentrations are to be expected in industrial/urban settings. Analytical results are included in Appendix A.

Water Sample

One water sample (W-1) was analyzed from the single on-site well. The sample was collected from a tap near the wellhead and analyzed for volatile organic compounds (VOCs) according to EPA Method 602. No VOCs were detected. Analytical results are included in Appendix A.

4.0 Conclusions and Recommendations

Based on the records review, site inspection, and soil and groundwater analysis, no evidence of soil or groundwater contamination has been identified on the subject property. Although municipal waste was handled and incinerated at the site for several years, there appear to be no residual contaminants in the soil or water as a result of this activity. Large amounts of soil were reportedly removed from the site during development of the present office complex.

No potential areas of environmental concern were identified as a result of this study, and no additional investigations are recommended.

5.0 Sources of Information

Documents

Aerial photographs dated 1947, 1954, 1960, 1980, and 1986, various scales and resolution. Available at Westchester County Department of Planning, White Plains, NY. 1971 aerial photograph from Town of Harrison Building Department.

Environmental Impact Statement for 500 Mamaroneck Avenue, November, 1983. Prepared by J. Michael Divney Associates.

Environmental Risk Ltd., 1988, Site inspection report provided to Schulman Realty, Co., 9 p.

Goldberg, Zoino & Assoc., 1986, Environmental Assessment Report provided to Schulman Management Corporation, 5 p.

Inactive Hazardous Waste Disposal Sites in New York State, April, 1989, New York State Department of Environmental Conservation (NPL Reference).

Personal Communications

Monteiro, James. Town of Harrison Building and Maintenance Department.

APPENDIX A: LABORATORY ANALYTICAL RESULTS

CHEMTECH
CONSULTING GROUP, INC. 380 West 11th Street / New York, New York 10014 (212) 255-2100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Mehta
Laboratory Manager

JUL 7'97 19:20 FR BNS 212 225 5166 212 225 5166 TO 98468300 P.13/44

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
367 VIOLET AVENUE
POUGHKEEPSIE, N.Y. 12601
(914) 473-9200

CHAIN OF CUSTODY

CLIENT Henry M. Celestino
Bill: Corporate Vice President
Schulman Realty Group

925 Westchester Avenue
White Plains, NY
10604-3583

SAMPLER L. Gamble, U.S. Hydrogeologic,

SAMPLE NO./ID	LOCATION/CONTAINER	DATE	TIME	SAMPLE TYPE	COMP	GRAB	No. of CONT.	ANALYSIS REQUIRED
W-1	well sample	10-12	1315	WATER ~~Soil~~		X	1	BTX (602)
S-1	surface, pond area	10-12	1330	SOIL		X	1	Cd, Cr, Pb
S-2	surface, low area	10-12	1350	SOIL		X	1	Cd, Cr, Pb

Relinquished by:	Received by:	Date	Time
Lloyd Gamble			

Relinquished:	Received by:	Date	Time

Dispatched by:	Date	Time	Received for Laboratory by:	Date	Time
			Kathy Sullivan	10/12	5:05 pm

Method of Shipment:

Comments: W-1 analyze for BTX (602) - large container unpreserved

1-week turnaround for W-1

CAMO Containers

APPENDIX B: PREVIOUS ENVIRONMENTAL REPORTS

ENVIRONMENTAL RISK LIMITED
120 Mountain Avenue Bloomfield, CT 06002 (203) 242-9933

April 11, 1988

Mr. Michael Curran
Schulman Realty Co.
925 Westchester Avenue
White Plains, NY 10604

RE: Schulman Realty Property, 500 Mamaroneck Avenue, Harrison, NY
ERL Project No. 7920-C85-88

Dear Mike:

Pursuant to your request, Environmental Risk Limited (ERL) has conducted a site inspection and limited environmental sampling as an update to the May 30, 1986 environmental assessment of the above referenced location prepared by Goldberg Zoino Associates of New York, PC (GZA).

The scope of ERL's assessment update included a review of the May, 1986 GZA environmental assessment, a site inspection by an ERL environmental scientist and the sampling and analysis of groundwater from an existing, on site bedrock well. A copy of the May, 1986 GZA report has been included as Attachment I.

On March 29, 1988, Gary Iadorola of ERL visited the subject property to observe site conditions and collect environmental samples. Observations from the site visit follow.

The property development is essentially the same as that reported by GZA in 1986, with the major exception being that construction of the building is complete. In summary, approximately ten acres of the site is developed into an office building with a 55,000 square foot footprint. The building is currently vacant, and there are no manufacturing or other commercial establishments observed on this property that generate any known hazardous wastes. In consideration of the proposed building use as office space, the only wastes that may be generated are those associated with operation and maintenance of an office facility. Surrounding the building on three sides are paved parking areas. Mamaroneck Avenue borders the front of the building to the west. The developed, ten acre parcel is surrounded on three sides by approximately 24 acres of undeveloped wooded open space and wetland.

The building is serviced by city water and sewers. The heat source is supplied by an on site boiler. Number two heating fuel used for the boiler is stored on site in a buried, 20,000-gallon steel tank. This tank was reported by Schulman Management to have been installed during 1986 with a protective coating and cathodic protection. It is generally recommended that this tank be integrity tested at least every five years.

The property was reported by GZA and Schulman personnel to be the former location of the Town incinerator and waste transfer station. It was further reported by GZA that during construction, most debris associated with the former incinerator and transfer station was removed as part of the construction site development. A soil berm at the south end of the parking area was identified as the only area that contained debris that may have been associated with the former incinerator and transfer station (e.g., glass, metal, plastic, and slag). Two samples of these soils were collected by GZA and analyzed for the E.P. Toxic heavy metals. The results of the analysis were reported to be an order of magnitude lower than the hazardous concentrations. Hard copies of the past laboratory analysis were not included in the GZA report.

ERL also reviewed the site in regards to the need, feasibility, and/or the practicality to install groundwater monitoring wells at this property.

During construction, the original grade was lowered by approximately eighteen feet, with an estimated 330,000 cubic yards of soil and rock removed from the site. As a result of this extensive site work, the building and the majority of the developed area are underlain by bedrock with little or no soil mantle. Therefore, if monitoring wells were installed, they would be installed into bedrock.

Through discussions with Schulman personnel, ERL learned that a bedrock production well exists near the center of the site downslope of the former incinerator. The primary purpose of the well is to supply water to an on-site waterfall. This well provides an ideal point to access groundwater in the bedrock under the site. Because the well is and has been under pumping conditions (approximately ten GPM), it is probable that the groundwater obtained is from a larger area than groundwater that may have been obtained by monitoring a static monitoring well.

On March 29, 1988, ERL obtained a groundwater sample from the on site production well. The sample was submitted to Connecticut Testing Laboratories of Meriden, Connecticut for analysis. The analysis included the EPA Method 601 and 602 volatile organic compounds (characteristic of petroleum hydrocarbons and chlorinated solvents), the E.P. Toxic metals, and cyanide. The results of these analysis show none of the analyzed compounds were found above the laboratory detection limits. Subsequently, the analyzed parameters meet currently established USEPA action limits and standards for drinking water quality. Copies of the laboratory analysis are included in Attachment II.

The results of the groundwater analysis provide further confidence to the May, 1986 conclusion made by GZA that there is no on-site indication of the presence of hazardous materials or oils in the environment at the 500 Mamaroneck Avenue site. Furthermore, based upon the past and recent history of the site and the environmental data collected to date, additional groundwater monitoring at this site does not appear warranted.

If you have any questions concerning this matter, please call me or Gary Iadorola at (203) 242-9933.

Very truly yours,

ENVIRONMENTAL RISK LIMITED

Frederick W. Johnson
Senior Associate

FWJ/dc
Attachments (2)
cc: H. Guy Liebler, Schulman

Attachment II

Laboratory Analysis of Groundwater
Samples Collected March 29, 1988

WATER

SOIL

AIR

April 7, 1988

Environmental Risk LTD.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-305-1
P.O. No. 7920
Inv. No. 3228

Dear Mr. Johnson:

The following is a report of analysis on samples received March 29, 1988.

	WP-1
Arsenic - mg/l	ND<0.05
Barium - mg/l	ND<0.5
Cadmium - mg/l	ND<0.01
Chromium, Total - mg/l	ND<0.05
Lead - mg/l	ND<0.05
Mercury - mg/l	ND<0.002
Selenium - mg/l	ND<0.01
Silver - mg/l	ND<0.01
Cyanide, Total - mg/l	ND<0.05

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:hc

STEPHEN J. FRANCO
Laboratory Director

CERTIFICATION
PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

Environmental Risk LTd.
Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200
Page 3
March 31, 1988

EPA METHOD 602/8020/8015-ppb

	WP-1			
Benzene				
Toluene				
Ethyl Benzene				
P-Xylene				
M-Xylene				
O-Xylene				
1,4-Dichlorobenzene				
1,3-Dichlorobenzene				
1,2-Dichorobenzene				
Methyl Ethyl Ketone*				
Methyl Isobutyl Ketone*				
Acrylamide*	---			
Carbon Disulfide*	---			
Diethyl Ether*	---			
Paraldehyde*	---			

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb.

*The minimum detectable level for these (*) parameters was 50 ppb.

EPA METHOD 601/8010-ppb

		WP-1		
Chloromethane				
Bromomethane				
Vinylchloride *				
Chloroethane *				
Methylenechloride				
Trichlorofluoromethane				
11-Dichloroethylene				
11-Dichloroethane				
T12-Dichloroethylene				
Chloroform				
12-Dichloroethane				
111-Trichloroethane				
Carbontetrachloride				
Bromodichloromethane				
12-Dichloropropane				
T13-Dichloropropylene				
Trichloroethylene				
Dibromochloromethane				
112-Trichloroethane				
Cis13-Dichloropropylene				
2-Chlorethylvinylether *				
Bromoform				
1122-Tetrachloroethane				
Tetrachloroethylene				
Chlorobenzene				
Benzyl Chloride				
Bis (2-chloroethoxy)methane *				
Bis(2-chloroisopropyl)ether *				
Bromobenzene				
Chloracetaldehyde *				
1-Chlorohexane				
Chloromethyl methyl ether *				
Chlorotoluene				
Dibromomethane				
12-Dichlorobenzene				
13-Dichlorobenzene				
14-Dichlorobenzene				
Trichloropropane				

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb .

*The minimum detectable level for these (*) parameters was 10 ppb .

WATER

SOIL

AIR

March 31, 1988

Environmental Risk LTd.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200

Dear Mr. Johnson:

The attached report are results of analysis for samples received March 29, 1988.

The samples were analyzed by Gas Chromatography and results are reported in ppb.

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

STEPHEN J. FRANCO
Laboratory Director

CERTIFICATION
PH-0547

SJF:hc

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

CKL

CHAIN OF CUSTODY RECORD

Place & Address Of Collection: White Plains, N.Y.

Samplers Name (Signature): Gary Sadarola

Assistant (Witness) (Signature):

Job Number: 7920

Sample Number	Sample Location	Type Container	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
WP-1	2	Glass	40 ml	No	3-29-88	1230 PM	✓				
WP-1	1	Plastic	1 qt.	No	"	"	✓				
WP-1	1	Plastic	1 qt	Sodium Hydroxide	"	"	✓				

Relinquished By (Signature)	Received By (Signature)	Date	Time
Gary Sadarola	S Fraser	3-29-88	2:45 PM
Relinquished By (Signature)	Received By (Signature)	Date	Time
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address Of Laboratory:

ANALYSIS REQUIRED

SAMPLE IDENTIFICATION ☒

Parameters	Sample Number	Parameters	Sample Number: WP-1
Al		NO_2-N	
As		(Ortho) PO_4-P	
Ba		(Total) PO_4-P	
Ca		Oil & Grease	
Cd		Phenols	
Cr^{+6}		CN^--A	
Cr-T		CN^--T	✓
Cu		TKN	
Fe-D		Organic-N	
Fe-T		TOC	
Pb		pH	
Mg		STD Water	
Mn-D		Fecal Coliform	
Mn-T		Fecal Streg.	
Na		Total Coliform	
Hg		Flouride	
Ni		Chloride	
Ag		8010	✓
Se		8020	✓
V		8080	
Zn		8015	
TSS		TOX	
TDS		EP-TOX-Metals	✓
TS			
Sp Cond.			
NO_3-N			
Remarks			

CHEMTECH
CONSULTING GROUP, INC.
350 West 11th Street / New York, New York 10014 (212) 255-9100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Mehta
Laboratory Manager

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

GZA OF NEW YORK P.C.
GOLDBERG-ZOINO ASSOCIATES OF NEW YORK P.C.
GEOTECHNICAL-GEOENVIRONMENTAL CONSULTANTS

JAMES H. REYNOLDS, GENERAL MANAGER
SUITE 1000 RAND BUILDING
BUFFALO, NY 14203
716/855/8960

EDWARD T. GOLDBERG
WILLIAM S. ZOINO
JOSEPH S. SUSTIN, JR.
JOHN E. JONES
MATTHEW J. GARRAHAN
WILLIAM A. BRUCE
NICHOLAS A. DIMINGO, JR.
BARRY A. GERARD
LAWRENCE TEDESCO
JEFFREY A. JONES
ROBERT A. HELLER
JOHN T. MCCLUNAHAN
MICHAEL A. GIAMPIE
JAMES P. NICHOLLS
PAUL V. BARRON
RICHARD M. BARON
STEVEN J. TRETTEL
CONSULTANTS
WALTER C. JOHNSTON, JR.
STANLEY M. SEVIGNY

May 30, 1986
File No. H-6437 A

REPLY TO: ROBERT A. HELLER
DISTRICT MANAGER
581 LAFAYETTE BLVD.
BRIDGEPORT, CT 06604
203/334-6593

Schulman Management Corporation
925 Westchester Avenue
White Plains NY

Attn: Mr. Mike Curran

Gentlemen:

Per the request of Schulman Management Corporation, Goldberg-Zoino & Associates Inc., (GZA/Heller) has performed a site visit at a 34 acre piece of property at 500 Mamaroneck Avenue in Harrison, NY. The purpose of our site visit was to observe the site for evidence of the presence of oil or hazardous material in the environment at the site.

The subsequent sections of this letter contain GZA/Heller's observations at the site.

Field Visit

On May 15, 1986 Mr. David Greene of GZA/Heller met with Mr. Mike Curran of Schulman Management Corporation to observe site conditions and discuss site history with respect to land use and hazardous materials and oil. Observations from that site visit follow.

A site plan is attached for reference.

An office building with a footprint of 55,000± square feet is currently under construction at the site. Associated parking areas are also in the process of development.

Approximately 10± acres of the site are developed or in the process of development. The remaining 24± acres primarily on the east side of the property were observed to be undisturbed woodlands, marshy areas or are planned for open space.

According to Mr. Curran, the site was formerly the town incinerator/waste transfer station. The incinerator was apparently located where the office building is being constructed.

Based on visual observation and conversation with Mr. Curran all soil and large volumes of bedrock have been removed from the building area and adjacent future parking areas. The land surface has apparently been lowered by approximately eighteen feet and it is our understanding that 330,000± cubic yards of soil and rock have been removed.

According to personnel of DeLaurentis Excavating there was debris on the site prior to site development. Debris reportedly consisted of scrap metal, old cars and other non-burnable material from operation of the incinerator. Apparently the majority of this material was removed prior to the start of excavation. No evidence of significant deposits of any debris or residue from the incinerators were observed.

The only potential evidence of past site usage as an incinerator/transfer station was seen in the soils used to construct a ±150 ft. x 12 ft. x 10 foot berm on the southeast corner of the site. This soil consists of a grey silt with fragments of glass, metal, slag, ash and small amounts of plastic. Two soil samples were obtained from this berm area and were made into a single composite for the analysis of priority pollutant metals by EP toxicity methods. Samples were taken to confirm that contamination of these soils has not occured. Verbal results of the laboratory analysis indicate that the composite soil sample did not exhibit the characteristics of hazardous soils using EP Toxicity Methods. All metal results were at least an order of magnitude below relevant standards.

Summary and Conclusions

A limited environment assessment was conducted at 500 Mamaroneck Avenue in Harrison, New York. The assessment included a site visit and analysis of one composite soil sample for priority pollutant metals (results pending). No background research or subsurface explorations were performed. Based on studies conducted and observation made as part of the present assessment, it is GZA's opinion that there is no on-site indication of the presence of hazardous materials or oils in the environment at the site.

The laboratory report will be forwarded upon receipt by GZA/Heller.

Limitation

This report is subject to the attached limitations.

This study and report have been prepared on behalf of and for the exclusive use of our client solely for use in an environmental evaluation of the site. This report and the findings contained herein shall not, in whole or part, be disseminated or conveyed to any other party, nor used by any other party, without the prior written consent of GZA/Heller. However, GZA/Heller acknowledges and agrees that the report and attached Statement of Terms and Conditions may be conveyed to potential tenants associated with the site.

GZA

The report has been prepared in accordance with the Statement of Terms and Conditions set forth in the following section. No other warranty, expressed or implied, is made.

We trust the report presented herein satisfies your current requirements. The undersigned will be contacting you in several days to discuss any questions you may have. We have appreciated the opportunity to work with you on this project.

Very truly yours,

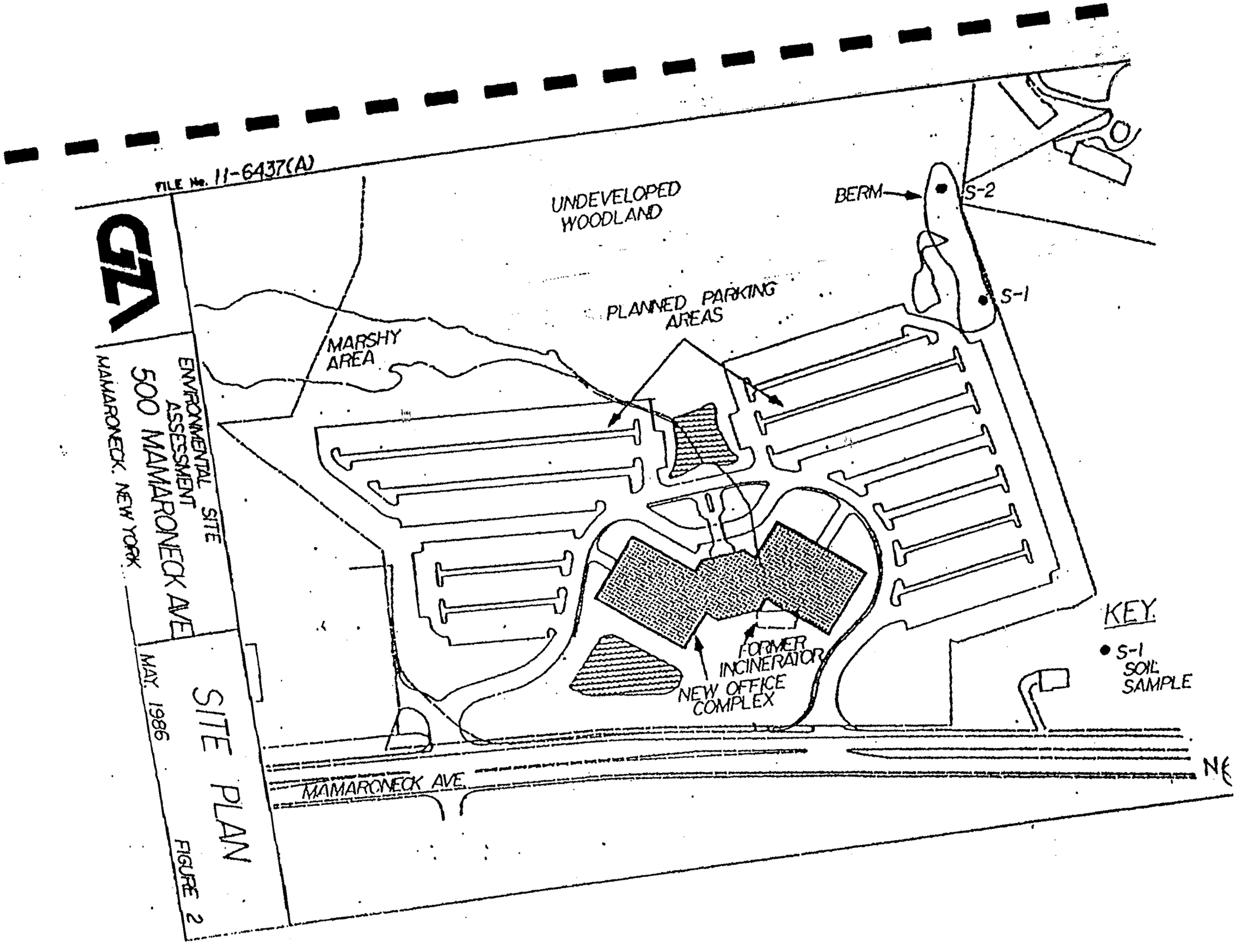
GOLDBERG - ZOINO & ASSOCIATES

Kathleen A. Cyr, P.E.
Senior Project Manager

Robert A. Heller, P.E.
Associate-in-Charge

KAC,RAH/gia

GZA


FILE No. 11-6437(A)
GZA
ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVE
MAMARONECK, NEW YORK
SITE PLAN
MAY, 1986
FIGURE 2
UNDEVELOPED WOODLAND
BERM
S-2
S-1
PLANNED PARKING AREAS
MARSHY AREA
FORMER INCINERATOR
NEW OFFICE COMPLEX
MAMARONECK AVE.
KEY
S-1 SOIL SAMPLE

APPENDIX A

LIMITATIONS

1. The observations described in this Report were made under the conditions stated therein. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the attached Statement of Terms and Conditions.

2. In preparing this Report, GZA has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to GZA at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. Observations were made of the site and of structures on the site as indicated within the Report. Where access to portions of the site or to structures on the site was unavailable or limited, GZA renders no opinion as to the presence of hazardous material or oil, or to the presence of indirect evidence relating to structure. In addition, GZA renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.

4. Unless otherwise specified in the Report, GZA did not perform testing or analyses to determine the presence or concentration of asbestos or polycholorinated biphenyls (PCB's) at the site or in the environment at the site.

5. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material or oil, as defined in Connecticut General Statutes Section 22a-452. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

GZA

B

APPENDIX B

Field Notes

Tu/5/12/98 [illegible]
500 Mamaroneck Ave, Harri

ERM/ADT onsite @ 0800

* Soil Boring Scope:

Due to the presence of shallow bedrock plan to make 2 attempts for a visible soil boring at each previously selected area. If unable to penetrate past 2' bls, will move to next location.

Calibrated Photovac PID using 100ppm isobutylene standard. Measurement 100ppm = 100ppm

GP-1

attempt ① Drill rod encountered refusal @ 1' bls

attempt ② Drill rod encountered refusal @ 1' bls

attempt ③ A 0-4' Rec 80% PID 10.2 Time 1026
Fine to Med Sand, Gravel, Med Brown
Odorless

B 4.0-7.5' Rec 90% PID 0 Time 1042
Silty Sand & Gravel. Med/Dark Brown
Odorless Silt = 30% of matrix
Note: Hit void in borehole from 6.5-7'
Refusal @ 7.5 bls.

TO 5/12/98 Cuddy Feder Worby / Harrison
1262.002

GP-3

attempt ① Refusal @ 4" bls
attempt ② " @ 12" bls
attempt ③ " @ 9" bls
attempt ④ " @ 15" bls
attempt ⑤ " @ 22" bls Sample Taken

A 0-1.75' Rec 80% PID 0.2 ppm Time 1113
Same description as GP-1 (0-4') except they are 2 layers of sandy clay (moderate plasticity, med brn)
Refusal @ 22" bls

GP-2

attempt ① Refusal @ 24" (2.0')
attempt ② Refusal @ 27" (2.25') Sample Taken
A 0-2.25' PID-0.3 ppm Rec 80% Time 1124
Silt w/ Gravel (10%); Med/Dark brown
Odorless

10/5/12/98 Cudoly, Feder, Worley / Harrison

GP-4

attempt ① Refusal @ 2.2' bls

attempt ② Refusal @ 2.25 bls

Ⓐ 0-2.25' Rec 90% PID 0.0 ppm Time 1148

Silty (15%) Sand (70%) w Gravel (15%), Med/Dark brown, Odorless

- Refusal @ 2.25 bls

GP-5 A 0-3.5' Rec 90% PID 0.0 ppm Time 1237

~~attempt ①~~ Sand w/ Gravel; color and texture ~~attempt ②~~ appear to be similar to pulverized bedrock, color white + gray components.

This sample from the "sports" area

B 3.5-6.5 Rec 80% PID 0.0 ppm Time 1238

Same description as A (0-3.5'); White components are granular + there is an increase % of fine, powder-like material; Refusal @ 6.5' BLS

GP-6

attempt ① Refusal @ 11"

" ② " @ 6"

" ③ " @ 10"

A 0-1' BLS Rec 60% PID 0.0 ppm Time 1306

TC/5/12/98 Cuddy, Feder, Worby/Harrison

GP-6A (continued)

Fine to Coarse Sand & Gravel; Gravel comprises 30% of soil matrix; Med brown; Refusal @ 1' BLS

GP-7

attempt ① Refusal @ 13"

" ② " @ 13"

attempt ③ Refusal @ 27" (2.25' bls)

A 0.25 - 2.25' Rec 90% PID 0.0 ppm Time 1419

Silty Sand w/ Gravel (30%); Med Brown; Odorless; Refusal @ 2.5' bls

GP-8 (location chosen because of red staining where GW unf. axis

A 0-3': Rec 60% PID 0.0 ppm Time 1426

Moist; Silty Sand w/ Gravel, sand components are fine to V. fine grained & comprise 80% of soil matrix; med/dark brown; odorless;

B 3-6' Rec 40-50% PID - 0.0 ppm Time 1435

Top 9" Wet Sand w/ Gravel; sand is med. to coarse grained; Gravel is angular to 1" diam & comprises 3-40% of matrix; Color; black & white

TU 5/12/98 Cuddy, Fedor, Worby / Harrison

GP-8B (3-6' bls) - Bottom 9" Wet Clay - moderate plasticity medium brown; slight odor of sewage or organic decay.

C 6-8' Rec 50% PID - 0.0ppm Time 1447
Top 8" same description as 8B (Top 9")
Bot 4" same description as 8B (Bot 9")
Refusal @ 8' bls

GP-9

A 0-3' Rec 50% PID - 0.0ppm Time 1514
Same description as GP-7A

B 3-5.5' Rec 50% PID 0.0ppm Time 1531
Same description as GP-7A
Refusal @ 5.5' bls

GP-10

A 0-3' Rec 80% PID 0.0ppm Time 1549
Same description as GP-7A

B - 3-6' Rec 30% PID 0.0ppm Time 1605
Same description as GP-7A except soil matrix was moist.
Refusal @ 6' BLS

TU 5/12/98 Cuddy, Feder, Worby / Harrison

GP-11

A 0-3' Rec 60% PID 0.0 ppm Time 1623
Same description as GP-7A except:
① soil matrix is moist
② 30% of matrix is composed of unnatural material such as shard of glass & tile, wood chips, wood cinders, etc.

B 3-6' Rec 60% PID- 0.0ppm Time 1631
Same description as A(0-3' BLS) interval except interval 3-6' BLS also contains plastic and wire strands/metal scraps

C 6-10' Rec 30% PID-0.0ppm Time 1638
Wet Same description as interval B of this sample

NO REFUSAL @ 12' BLS

GP-12

A 0-3' Rec 70% PID.-0.0ppm Time 1653
Same description as GP-11 A(0-3) except 5-10% unnatural materials

B) 3-6' Rec 60% PID ppm Time 1658
Same description as GP-12 A(0-3') except soil matrix is moist.

10/5/12/98 Cuddy, Feder, Worby / Harrison

GP-12 C (6-7' BLS) Rec 20% PID 0.0ppm Time 17:
Moist, Silty Sand w/ Gravel.
Gravel comprises 40% of soil matr
Odor - ~~Oil~~ Unknown / unidentifiable
Wood fragments comprised 20%
of matrix

GP-13
A (0-3') Rec % PID 0.0ppm Time 1717
Same description as GP-12C
except dry.

B (3-6') VOID ENCOUNTERED
- No Recovery

C (6-7') - Rec 100% Wet PID 0.0ppm Time 1723
Top 6" ~~Moist~~ Sandy clay, sand med grained
High plasticity, ~~light~~ brown
Bot 6" Moist. Fine to coarse Sand
with gravel. Color med brown
and dk brown / black; Gravel
comprises 30% of matrix

10/5/12/98 Cuddy, Feder, Worby/Harrison

GP-14

attempt ① Refusal @ 1' BLS

attempt ② Refusal @ 3' BLS

A (0-3') Rec 50% PID - 0.0ppm & Time 1754

Same description as GP-13C (6-7')

Bot 6" except that soil color is med brown & soil matrix is relatively dry.

GP-15A Rec 60% PID 0.0ppm Time 1809

attempt ① Refusal @ 2' BLS

attempt ② Refusal @ 2' BLS

Same description as GP-14

- All boreholes were abandoned by backfilling using #2 Gravel pack to 6" bls followed by 3 to 4" of bentonite chips and surfaced with asphalt cold patch

- Due to the unusual virtually complete absence of VOCs, the PID was periodically tested through the day to ensure that it was continuing to operate properly

- ADT offsite @ 1900
- ERM offsite @ 2015 / FedEx NY @ 2100 / Office 2225 hrs

Tu/5/26/98 500 Mamaroneck Ave Assoc/Harrison.

ERM started @ 0630 hrs/on-site at 0800

ADT on-site @ 0800 w/ Truck mounted GeoProbe.

Discussed work scope w/ ADT and toured drilling areas. Due to extremely heavy precipitation during previous couple of days the drilling areas in front of the building are relatively soggy. As such will start @ GP-16 to allow for further drying time at other areas

Contacted John Stillgebauer who indicated all was in order relative to Certificate of Insurance for ADT.

Set up @ GP-16.

Joe Thomas came to drilling area to discuss work scope. Indicated that he did not want GeoProbe Truck to drive over any underground utilities in front of the building.

Tu/5/26/98 500 Mamaroneck Ave Assoc / Harrison
-1454.001

I indicated that the GeoProbe truck would likely not be able to ascend the slope up to the ~~well~~ boring location with the most conditions at present, and that the specific lines he is concerned with, ~~are~~ water (sewer are likely 4' BLS (to be below the frostline) and 12' BLS (based on observation of the discharge trap). Never-the-less, he requested that we do not cross the building frontage.

Contact Greg Shpuda to discuss. Decided to remob on a different day with manual equipment - Tripod + Split barrel samplers. Arranged.

Though Joe Thomas considers this to be a failure on the Underground Utility Locating Service, because they did not markout the entire utility runs. I indicated that their work scope was limited to check individual locations only.

To maximize costs, decided to take samples at the 3 location where Joe Thomas has no concerns (GP-1, 20, 2)

Tue/5/26/98 500 Mamaroneck Ave, Harrison
- 1454.001

GP-16A
attempt 1 Refusal @ 26" BLS Time 0937
attempt 2 Refusal @ 19" BLS Time 0959
attempt 3 Refusal @ 22" BLS Time 1016
attempt 4 Refusal @ 22" BLS Time 1107
A(0.25 - 2.0) Rec 100% PID 0.0 ppm Time 0937
Sandy Silt with Trace Gravel; Sand components are fine to med grained. Gravel is subrounded, Color - dark brown. Matrix contain approx 5-10% wood splinters

GP-21A(0 - 3') Rec 80% PID 0.0 ppm Time 1153
Silty Sand with little Gravel. Gravel is subrounded to subangular & ranges to 2.5cm; Dark brown; Sand components are fine (60%), med (20%) ~~grained~~ & coarse (10%).

GP-21B(3-7') Rec 60% PID 0.1 ppm Time 1159
Silty Sand with little Gravel; Sand component is med grained; Gravel is subrounded & ranges to 1.5 cm in size; Color - med/drk brown; Soil matrix is dryer than previous interval.

Tu/5/26/98

500 Mamaroneck Ave Assoc / Harrison

GP-21C (7-10') Rec 95% PID 0 ppm Time 1207
Soil description is the same as GP-21B (3-7' BLS)

Mob to GP-20. Due to a visual change in landscaping requested Joe Thomas confirm that boring location was actually part of the subject property. He indicated that it was in an easement area, but to proceed w/ drilling

GP-20A (0-3') Rec 80% PID 0.1 Time 1250
Silty Sand with ~~little~~ some Gravel; Sand component are very fine (50%) to medium grained (20%). Gravel is subrounded to angular and ranges to 2.0 cm in size; Color - Dark brown. Soil matrix is moist.

GP-20B (3-5.5') Rec % PID 0 ppm Time 1305
Soil description is the same as previous interval for this drilling location (GP-20A (0-3' BLS)

ADT decontaminated downhole tool & began breakdown of drilling equipment

Tu/5/26/98 500 Mamaroneck Ave Assoc./Harrison
-1454.001

ERM & ADT offsite @ 1340 hrs

All samples collected have been preserved with ice and will be retained until remaining 3 borings can be completed. At that time samples will be forwarded to Brent Mongillo for PCB immunoassay testing

Returned to office @ 1510 hrs.

W/5/27/98 500 Mamaroneck Ave Assoc / Harrison

GP-17A (0-2' BLS) BC 3,3,4,5 Rec 60% PID ppm Time 1256
Top 8" Same description as GP-19B (2-4')
Bottom 8" Same description as GP-19 (4-6') Bot 7"

GP-17 B (2-4' BLS) BC 5,6,7,9 Rec 60% PID ppm Time 1304
Top 6" Moist Silt, Compact, Color - Med brown odorless,
Bottom 9" Dry Silty ~~Sand~~ w/ ~~Sm~~ little gravel; ~~Same~~ description as GP-19C (Bot 7")

GP-17C (4-6' BLS) BC 4,5,5,6 Rec 20% PID ppm Time 1316
Sandy Silt w/ Some Gravel; Sand components compose 5% of soil matrix and are fine to med grained; Gravel is angular to subangular and ranges to 3 cm; Color - Med/Dark brown.

GP-17D (6-8' BLS) BC 12,11,10,9 Rec 20% PID ppm Time 1324
Same description as GP-17C

GP-17E (8-10' BLS) BC 7,10,10,10 Rec 15% PID ppm Time 1330
Same description as GP-17C
Refusal @ 9.0' BLS

Sample ID GP-17 A/B (0-3' BLS) @ 1304
GP-17 B/C (3-6' BLS) @ 1316
GP-17 D,E (6-10' BLS) @ 1330

w/5/27/98 500 Mamaroneck Ave Assoc. / Harrison, NY

GP-18A (0-2' BLS) BC 3,6,6,8 Rec 60 % PID ppm Time 1144
Same description as GP-19A except soil matrix is very dry.

GP-18-B (2-4' BLS) BC 7,8,8,12 Rec % PID ppm Time 1152
Top 8" Same description as GP-18A (0-2')
Bot 8" Very Fine Sand w/ little Gravel; Gravel is subrounded to angular and ranges to 2.5 cm; Color light med brown, Odorless.

GP-18C (4-6' BLS) BC 3,3,2,2 Rec 40 % PID ppm Time 1159
Top 6" Same description as GP-18B (2-4' BLS) Bot 8"
Bottom 8" Same description as GP-18B (2-4' BLS) Bot 8" except Color is dark brown

GP-18 D (6-8' BLS) BC 8,8,7,6 Rec 40% PID ppm Time 1210
Very Fine sand w/ some Gravel; same description as GP-18C (Bottom 8) except for gravel content.

GP-18 E (8-10' BLS) BC 6,8,9,10 % Rec 50% PID ppm Time 1223
Same description as GP-19 D (6-8' BLS)

Sample ID : GP-18 A/B (0-3' BLS) @ 1152
GP-18 B/C (3-6' BLS) @ 1159
GP-18 D,E (6-10' BLS) @ 1223

wp/27/98 500 Mamaroneck Assoc / Harrison

GP-19A (0-2') BC 2,2,2,2 Rec 60% PID 0 ppm Time 1005
Silt with little Gravel; Gravel is angular to subangular; Color - Med/Drk brown; Odorless; Soil matrix is moist

GP-19B (2-4' BLS) BC 6,7,7,7 Rec 30% PID 0 Time 1008
Moist Clayey Silt with Gravel; ~~Trace Clay~~ Trace Clay; little Gravel; Gravel is subangular to angular & ranges to 2cm in size; Color: Drk brown; Odorless

GP-19C (4-6' BLS) BC 7,7,8,11 Rec 50% PID 0 ppm Time 1015
Top 5" same description as 19B
Bot 7" Silt w/ little Gravel and Rock fragment; Gravel content is subrounded to angular; Rock fragment due to cobble pulverized by the sampler; Med/Drk brown; Odorless

GP-19D (6-8' BLS) BC 30,11,7,6 Rec 10% PID — ppm Time 1026
Fine to little Coarse sand w/ little Gravel and Rock Fragments; Rock Fragments due to pulverized by sampler; Color - Grayish brown; Odorless; Matrix very dry

w/5/27/98 500 Mamaroneck Assoc / Harrison

GP-19E (8-10' BLS) BC 10,7,10 Rec 10% PID - ppm Time 1038
Medium to Coarse Sand w little Gravel.
Sand primarily medium grain sized (75%).
Gravel is subrounded to angular and
ranges to 1.5 cm; Color: med brown;
Odorless.

Note: due to the mixed recoveries of
the 19C & D intervals, an addition sample
was collected from 10-12' BLS to provide
sufficient sample volume to accommodate
the entire suite of analyses

GP-19F (10-12' BLS) BC 6,8,8,9 Rec 20% PID 0 ppm Time 1109
Wet. Clayey Silt with some Gravel. Gravel
is subrounded to subangular & ranges to
1.5 cm. Clay comprises 5-10% of wet matrix;
Color Med dark brown; Odorless
Sample interval contains glass & metal shards

Sample ID	Time
GP-19 A/B (0-3' BLS)	1008
GP-19 B/C (3-6' BLS)	1026
GP-19 D/E/F (6-12 BLS)	1109

w/5/27/98 500 Mamaroneck Ave Assoc/Harrison

ADT broke down + left loaded equipment to vehicle. / Offsite @ 1400 hrs

ERM offsite @ 1440 hrs/
FedEx - Westbury @ 1615 hrs.
Office @ 1640 hrs.

Report. V00213. 2000-04-01.
site assessment

FILE COPY

ENVIRONMENTAL RESOURCES MANAGEMENT

FINAL INVESTIGATION SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York 10528
(Volume I)

April 2000

Prepared for:

500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, New York 11797

ERM®

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(VOLUME II)

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Section 1

1.0 *INTRODUCTION*

Environmental Resources Management (ERM) has prepared this Final Investigation Site Assessment Report on behalf of 500 Mamaroneck Avenue Associates ("MMA") to document conditions at the property located at 500 Mamaroneck Avenue, Harrison, New York (site). This report provides data from an Investigation Work Plan submitted to the New York State Department of Environmental Conservation ("NYSDEC") in December 1998, (Appendix A) as well as data and information in response to all the NYSDEC comments to that Work Plan (Appendix A). This Investigation Report is submitted to the NYSDEC for approval as the final investigation work plan and report under paragraph I (A) (I) of the Voluntary Cleanup Agreement, Index #W3-0851-99-05 between the NYSDEC and MMA dated April 13, 2000 ("VCA"). The site covered by the VCA is occupied by a five-story office building, which was constructed on property previously owned and operated by the Town of Harrison as a municipal incinerator. As part of a Phase I Due Diligence Investigation carried out by Dames and Moore, Inc on behalf of a potential purchaser of the site in 1998, soil and groundwater samples were collected to assess potential impacts from past property usage. Dames and Moore's preliminary sampling results indicated residual soil concentrations of Resource Conservation Recovery Act (RCRA) metals, polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) interpreted to be in excess of regulatory standards or guidelines. Groundwater samples collected by Dames & Moore, however, did not indicate any significant levels of contaminants. Follow up sampling, was carried out in May 1998 by ERM on behalf of MMA . As discussed later in the report, not all of the Dames & Moore results and interpretations, in particular the elevated PCB findings, were confirmed by ERM and subsequent testing carried out by Coneco, Environmental Corp.) The detection of residual on-site contamination by ERM resulted in submission of a Voluntary Clean up Program (VCP) application to the NYSDEC, which resulted in the

VCA. This report summarizes the previous site investigations, in particular the initial site investigation conducted in 1998, and the remediation site investigations conducted in 1998 and late summer 1999 pursuant to the Work Plan attached as Appendix A.

1.1 *ERM INVESTIGATIONS - MAY 1998 – JULY 1999*

In May 1998, ERM was retained to evaluate conditions at the site. ERM carried out a site investigation, which included the installation of 21 soil borings to:

- Verify the presence and establish concentrations of PAHs and PCBs.
- More completely delineate the areal and vertical extent of any residual inorganic, PCB or PAH soil contamination.
- Establish the source of on-site contamination.

The results of the site investigation were detailed in a report prepared by ERM entitled Site Assessment Report 500 Mamaroneck Avenue, Harrison, New York, dated June 1998 and are attached hereto as Appendix B The report discussed the contaminant distribution, evaluated the fate and transport of the residual contaminants detected and recommended a remedial alternative consistent with the property usage. The report data confirmed that the contamination was most likely related to past site usage as a municipal incinerator and not the result of any activity or usage by MMA.

That assessment report was submitted to the NYSDEC to determine how best to address the contaminants present at the site. The NYSDEC indicated that appropriate closure of the site could be achieved through the State's VCP and an application was therefore completed and submitted to the NYSDEC. This Site Assessment Work Plan, dated December 1998, was included with the application. That Work Plan was

reviewed and commented upon by NYSDEC. All NYSDEC comments were incorporated into the Investigation Work Plan implementation. That Work Plan (and NYSDEC comments) is attached as Appendix A.. All work was conducted on site from May to July 1999. This report documents and analyzes that investigation and constitutes in our opinion the Final Investigation Report under the VCA which we request NYSDEC to confirm pursuant to paragraph I (A) (1) of the VCA and to attach to the VCA as Exhibit "B", the Final Investigation Report.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2.1 *Study Area Description & History*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were

removed prior to construction of the current office building development. This material was removed only from that portion of the site that was improved (the portion closest to Mamaroneck Avenue). Water is provided by the local municipal system and the site therefore has no drinking water well(s). A bedrock well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small seasonal wet area is located in the northeastern portion of the property, immediately east of the northern portion of the parking area. The wet area appears on the 1990 U.S. Department of the Interior Wetlands Inventory Map and is described as a Palustrine – Scrub/Shrub – Broad leaf – deciduous-seasonally flooded area. The area is not shown on the 1987 N.Y. State Fresh-Water wetlands map and is therefore not regulated by the NYSDEC.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences further to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.2.2 *Site Geology*

The U.S.G.S. 1967 (photo inspected 1975) Topographic Map of the Mamaroneck. New York Quadrangle, shows that site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the property. The topography and general site features suggest that groundwater beneath the study site would flow west towards the Mamaroneck River, located approximately 200 feet west of the site boundary.

According to the September 1994 General Geology Map of Putnam and Westchester Counties. New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property.

1.2.3 *Previous Investigations*

Phase I's

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997; Dames & Moore, Inc., 1998 (late February or early March), ERM, June, 1998 and Coneco Environment Corp. (Coneco), June 1999. Except for the Dames & Moore and Coneco sampling and ERM Site Assessment, these investigations can be categorized as general Phase I Environmental Assessments. GZA, ERL and USHI did collected limited soil and/or groundwater samples as part of their work.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain

debris from past Municipal Solid Waste (MSW) operations (see Figure 3). The samples were composited and analyzed for RCRA metals following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 3). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 3). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be "slightly elevated," they are consistent with typical soil metals concentrations from urban settings and do not necessarily indicate contamination from operation of the incinerator.

Dames & Moore Data - 1998

As discussed above, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. Initially they proposed the installation of 8 soil borings. However, 2 of their borings (D-5 an D-6) were not installed due to the presence of underground utilities. Figure 3 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs, semi-volatile organic compounds (SVOCs) including PAHs and PCBs and RCRA metals. Only the results of the Dames & Moore sampling were obtained by ERM, therefore, the

analytical methodology is unknown. However, it is likely that standard USEPA analytical methods were used because the samples were collected as part of a due diligence investigation for a potential property transfer.

Dames & Moore's data sheet received indicated PAHs and PCBs in excess of Technical and Administrative Guidance Memorandum Number HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24, 1994 (TAGM-4046) in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (µg/kg), chrysene at 670 µg/kg and benzo(a)anthracene at 600 µg/kg. Recommended Soil Cleanup Objectives are 61 µg/kg or method detection limit (mdl), 400 µg/kg or mdl and 224 µg/kg, respectively. The PCB concentration (Aroclor 1242) in this sample was 13,000 µg/kg. The TAGM-4046 Recommended Soil Cleanup Objectives for PCBs are 1,000 µg/kg (surficial [0-3 feet below grade]) and 10,000 µg/kg (subsurface [> 3 feet below grade]). No VOCs exceeded TAGM-4046 recommended objectives in any of the six soil samples collected. The data sheet also indicates that RCRA metals exceed TAGM-4046 guidelines in all of the samples. However, considering the proximity of bedrock at the site, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to TAGM-4046 objectives rather than site background was premature. In addition, no subsequent collected data have indicated any PCB samples in excess of TAGM-4046.

Groundwater samples were collected from the existing on-site well and from borehole No. 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameter was detected above its respective TAGM-4046 guidance criterion.

ERM-May/June 1998

As discussed previously, in May and June, 1998 ERM carried a Site Assessment at the 500 Mamaroneck Avenue property. This investigation consisted of the installation of 21 soil borings (ERM1 through ERM-21). The borings were installed to:

- evaluate the Dames and Moore findings and
- define areas with residual soil contaminants with concentrations above the TAGM-4046 Recommended Clean up Objectives.

Soil samples were collected continuously from land surface to a depth of 15-feet or to bedrock in each borehole. Each sample was screened using field immunoassay testing for PCBs and PAHs. Confirmatory samples were sent for laboratory testing and further analysis for PCBs and PAHs Four soil samples were further characterized through analysis for PCBs, PAHs and RCRA metals after extraction using the Toxicity Characteristic Leaching Procedure (TCLP). The latter analyses were carried out to assess the mobility of any residual constituents encountered during the assessment.

The June, 1998 ERM assessment revealed the presence of some residual chemicals, namely PAH's above the TAGM-4046 Recommended Soil Clean up Objectives in some of the borings. The contaminants above Clean-up Objectives were detected in the south parking lot of the site bordering the berm (ERM-12 and ERM-13). The location of the former incinerator (ERM-19) and in northwest corner adjacent to the access road (ERM-20).

Coneco Environmental Investigation - 1999

In early 1999, the property was sold to 500 Mamaroneck Avenue L.P. and Viviane Paris, LLC as Tenants in Common (W&M). Prior to the sale,

W&M engaged Coneco to install additional borings to evaluate environmental conditions at the site. In March, 1999 Coneco installed 57 soil borings, collected a groundwater sample from the on-site well and sampled surface water and sediment at the site. Borings were advanced to bedrock with continuous collection of soil samples. As in the ERM investigation, some of the samples indicated residual concentrations of PAHs in excess of TAGM-4046 Recommended soil Clean-up Objectives. The locations of these borings were similar to the locations where ERM had observed exceedences, i.e. in the south parking lot adjacent to the berm and in the northwest corner of the property near the entrance roadway. Contaminants were not detected in the groundwater, surface water or sediment samples. The consultant investigation reports are presented in Appendix B.

Section 2

Section 2

2.0 *REMEDIATION SITE INVESTIGATION*

The scope of the Remediation Investigation Work Plan was based on discussions with the NYSDEC regarding the findings of the initial Site Assessment conducted by ERM in May/June 1998, the work carried out by Coneco in 1999 and NYSDEC's requests for additional information to complete the site assessment. This Work Plan is requested to be attached as Exhibit B of the VCA and designated the Final Investigation Work Plan. It was designed to fully define the extent of impacts from past activities at the Site. The specific data gaps from previous investigations identified by the NYSDEC were addressed by the collection of additional samples, analyzed for a broader range of analytes. The Remediation Investigation included:

- A geophysical survey implemented in areas where residually contaminated (PAHs, PCBs) soils were detected in previous investigations.
- Installation of 28 additional borings.
- Collection of groundwater, surface water and sediment samples.
- Analysis of all samples for the complete target analyte list (TAL) and target compound list (TCL).
- A site survey to accurately locate the numerous boring installed on the site and establish surface elevations.

The primary purpose of these tasks was to:

- Provide a better definition of on-site contamination and identify potential sources.
- Provide a means for calculation of the soil volume present over the bedrock surface in areas where residual contamination has been detected.
- Afford a means for evaluating whether there is sufficient soil volume to represent a significant source of contamination.

- Facilitate calculation of the costs associated with soil removal and offsite disposal, based on the determination of volume for areas of residually contaminated soils, should this become a potential remedial option.

Details of the subsurface investigation are discussed below. The work plan and NYSDEC comments are provided in Appendix A.

2.1 *GEOPHYSICAL SURVEY OF KNOWN IMPACTED AREAS*

NAEVA Geophysics Inc. (NAEVA) of Tappan, New York implemented a non-intrusive subsurface investigation on 12-14 May 1999. This investigation was carried out to determine the depth of bedrock from land surface in areas where previous investigations detected PAHs and PCBs above TAGM 4046 levels. Four areas were designated for further investigation during the Supplemental Site Investigation and were called Areas of Concern (AOC). The designation was based solely on data collected in previous investigations and the presumption that soil in these areas could contain PAHs and PCBs above TAGM 4046 levels. The Geophysical survey data were used in the placement of additional soil borings to more effectively delineate the extent of residual contamination within areas of concern (AOCs) and to calculate the volumes of contaminated soil in each of the AOCs. Finally, the survey also located underground utilities in the central portion of the Site to allow the installation of additional borings and the collection of soil samples from that area of the site.

The areas where the geophysical surveys were conducted are presented on Figure 3 and are designated as AOCs 1 through 4. A copy of the field notes generated by ERM's on-site representative observing the subsurface geophysical investigation has been attached as Appendix C.
Ground Penetrating Radar (GPR) was the primary geophysical technique used to determine bedrock topograghy/depth. It utilized two equipment

systems, the Sensors and Software (S&S) - Pulse-EKKO 100 and the S&S Noggin. The instruments were operated at 100 and 250 megahertz frequencies, respectively. A variety of electromagnetic instrumentation was employed to locate the underground utilities. The report generated by NAEVA detailing results of the subsurface geophysical survey has been attached as Appendix D.

GPR systems utilize the propagation and reflection of high frequency, electromagnetic energy to image subsurface structures. A pulse emitted from the transmitter travels through the ground and is partially reflected between the boundary of two media (or structures) having different electrical properties. In areas where bedrock is relatively shallow, GPR data will typically show a strong reflection between the bedrock surface and overburden.

Within each AOC, a survey grid consisting of a number of parallel lines over which GPR data were collected was established. Spacing between the lines was inconsistent due to random locations of cultural obstacles, such as parking curbs. Line spacing ranges from 30 to 90-feet. For quality control purposes, in AOC 3, an additional profile of GPR data was collected from a line, which crossed other grid lines perpendicularly.

Two measurements, at 8-inch intervals, were collected along each line to ensure quality control of data collected. Depth interpretation were compared between common points where GRP lines intersected in AOC 3 and depth data from a line in AOC 1 was compared to bedrock depth data from a borehole located along this same line as calibration checks.

Data obtained from the S&S Pulse-EKKO GPR unit showed better signal penetration than the Noggin unit. Therefore, data from the Pulse-EKKO GPR unit was used in the bedrock surface interpretation in nearly all profile traverses (data lines) with the exception of two lines, which were

acquired traversing an incline. Geophysical survey results are presented in graphic and tabular form in NAEVA's report (AppendixD).

2.2 *SOIL BORING / SAMPLING PROGRAM*

A soil boring and sample collection program was carried out to collect data in support of the goals outlined in Section 2.0, namely, to provide better definition of the quantity and environmental conditions of on-site soils. NYSDEC was notified in advance as to the schedule of all field work. Trade-Winds Environmental Restoration Inc. of Bay Shore, New York installed 28 additional soil borings between 7-9 July 1999 using Earth-Probe™ drilling techniques and equipment under the supervision of an ERM hydrogeologist. A representative of Coneco, as agent for W &M observed all drilling and sample collection operations. Each boring was advanced until refusal and no further downward progress was possible. Continuous 2-foot samples were collected using MacroCore™ samplers equipped with acetate lines. The MacroCore™ sampler was decontaminated following each sample and between borings as per ERM protocols using an Alconox detergent wash solution followed by a distilled water rinse and subsequent air-drying. The acetate liners were designed for single use/disposable sampling strategies and were discarded following containerization of each sample. The acetate liners therefore required no prior decontamination.

Soil samples were screened in the field using a photoionization detector (PID) equipped instrument. PID screening of samples collected during this phase of the investigation yielded only one detection (Boring ERM-38 D [6.7.5-feet below land surface {bls}]) of 0.1 PPM. This detection was measured at the bottom of the instruments potential range and is consistent with the absence or very low detections (in the low parts per

billion range) of VOCs observed during previous subsurface investigations at the Site.

The soil boring installation program was intended to supplement ERM's initial investigation, conducted in May 1998. The initial Site Assessment included installation and sampling of 21 soil borings. The current phase of investigation involved the installation and sampling of an additional 28 soil boring locations. Sediment samples were collected at 4 locations from the ponds/storm water detention basins located on the property. The samples were collected approximately 6-inches below the sediment surface using a properly decontaminated, stainless steel hand auger. To simplify the soil boring nomenclature shown on Figure 3, boring identification prefixes utilizing the environmental investigation firm's initials have replaced original boring designations. For example, ERM boring GP-16 is now designated ERM-16 Similarly Coneco boring B-55 has now been designated C-55, etc. Locations of borings ERM-22 through ERM-48 (GP-22 through GP-48 in the field notes) and sediment samples locations are depicted on Figure 3. Please note that soil boring at proposed locations, ERM-23 and ERM-24 were eliminated due to the presence of bedrock outcrops. Figure 3 also shows sampling locations from previous environmental investigations discussed in Section 1.2.3 of this report. At several locations only a thin mantle of soil, from which the sample was collected, was observed. The field notes from the soil boring installation program are provided in Appendix C.

After the drilling equipment was advanced to the requisite depth horizon, downhole sampling equipment was removed from the borehole and a discrete 2-foot depth interval sample collected. The sample was immediately screened for VOCs, physically characterization and logged, homogenized, aliquots placed in appropriate laboratory glassware, labeled, and stored on ice. As stated above, samples were continuously collected until drilling refusal was met. All samples were submitted for

laboratory analysis. Chain of Custody documentation and Custody Seals were prepared and affixed to sample shipment coolers, which were forwarded to the laboratory via overnight courier.

2.3 *GROUND WATER SAMPLING PROGRAM*

Aqueous samples were collected to evaluate groundwater and surface water quality at the Site. One ground water sample was collected from the water cascade supply well from a dedicated discharge line. Surface water samples were collected from the Upper Pond (at the base of the water cascade) and from the seasonally wet area located east of the northeast corner of the Site. Sample analyses, QA/QC and report deliverables were identical to those of the Soil Sampling Program.

2.4 *LAND SURVEYING PROGRAM*

As part of environmental assessment activities at the Site, soil samples have been collected at more than 100 locations. Figure 3 identifies these boring locations. The surveying work scope included of all known boring locations for vertical elevation to the nearest hundredth of a foot (0.01-feet) and horizontal position to the nearest half foot (0.5-feet). All data was transposed onto a Site Plan consistent with and in scale with the original property surveying data. An electronic deliverables was prepared as part of the report package and was used to update maps with data pertinent to the environmental investigation.

This survey information will be used to assist in calculation of the volume of soils which may require disposal, and the anticipated costs associated with those efforts. This will be achieved by comparative analysis of land survey data and geophysical survey bedrock topography/depth data.

Section 3

Section 3

3.0 *SAMPLING RESULTS*

The results of the Remediation Investigation are present in the following sections.

3.1 *GEOPHYSICAL SURVEY*

For each AOC (as previously defined in Section 2.1), interpreted depth measurements were taken from the GPR profiles at intervals of approximately 12-feet and combined to generate contour maps showing the bedrock topography. The bedrock contour maps and site over lay maps are presented in Appendix D. Please note that NAEVA indicates in their report that is it unclear from the GPR records, when bedrock is less than 2-feet in depth, what the depth actually is. The bedrock depths were therefore set to 1-foot in these areas.

In general the bedrock surface was interpretable in nearly all profiles collected. The exception are profiles ERM 3 of AOC 1 and ERM 17 of AOC 4 which were collected along slopes causing poor signal penetration. Bedrock interpretation in these areas is limited. Finally, several of the profiles also contain discontinuities likely due the presence of reflection from unknown sources present in the bedrock which were strong enough to mask the bedrock reflections. The data also appear to contain small percentages of false reflections generated by sources of above ground interferences, such as a local form of radio transmission. These problems, however, had a minimal impact on the quality of the data collected as demonstrated by good repeatability (two measurements were taken over each transect) and the good correlation between GPR data and available borehole data. In AOC 3, the interpreted bedrock depths from the intersection profiles were in very close agreement showing variations of 0.75-feet or less. Data from the borehole located in AOC 1 documents the depth to bedrock as 6-feet. The bedrock depth obtained from the GPR

measurements at this location was 5.75-feet. The interpretive analysis of GPR data yielded the approximated depths to bedrock at 4 AOCs shown below:

AOC	Location at Property	Approx. Depth to Bedrock (feet bls)	Topographic Characterization
1	Near NW entrance to property	5 - 7	dips slightly to the southeast
2	NE corner of property	0 - 7	dips generally to the west except for a bedrock ledge aligned in N to S orientation along the 80-foot transect
3	South side of property	5 - 8	Minor dips and rolls of bedrock topography but relatively flat overall.
4	West of the office building	3 - 8	Depth to bedrock progressively increases in an easterly direction towards the building

3.2 *LABORATORY ANALYSES*

The laboratory selected for analytical services was Severn Trent Laboratories (STL) of Monroe, Connecticut. STL's responsibilities included screening of each of the soil samples for PAHs and providing results to ERM in a timeframe so that the samples selected for full TCL/TAL analysis could be analyzed within established sample holding times. Based on results of the PAHs screening, sample location with respect to previously collected samples and the chemical analyses obtained during prior studies, ERM selected samples for further laboratory analysis.

The soil samples selected for further analysis were analyzed for the following:

- Target Compound List Volatile Organic Analysis plus 20 Tentatively Identified Compounds (TICs);
- Target Compound List Base / Neutral Acid Extractable Organics Analysis plus 30 TICs;

- Polychlorinated Biphenyls (PCBs);
- Target Compound List Organochlorine Pesticides; and
- Target Analyte List (TAL) Metals

Quality Assurance /Quality Control (QA/QC) samples were collected at a frequency of 1 per 20 samples, and analyses and analytical report deliverables are in accordance with NYSDEC ASP Category B formatting.

The PAH screening was carried out by extracting an aliquot of each of the soil samples with methanol and then analyzing the extract using gas chromatography (GC) utilizing USEAP Method 8100. The screening results where telefaxed to ERM by STC for review and identification of samples for complete analysis. Samples collected from boreholes where only one soil sample was obtained due to the presence of shallow bedrock were not screened.

Forty two (42) samples were sent to STL for screening analysis (See Table 2-1). From these, 25 samples, based on the results of the screening analysis and proximity to AOCs identified from previous investigations carried out at the site, were selected for full analysis. Sediment samples from the upper and lower ponds, the catch basin located in the northwest section of the site and from the swampy/wet area in the undeveloped wooded area on the eastern border of the property were also analyzed. Finally ground- and surface water samples from the on-site bedrock well, upper pond and eastern swampy/wet area were analyzed for TCL/TAL constituents.

After receipt of the analytical data from STL, a Data Usability Summary Report (DUSR) was prepared. Data quality, completeness and accuracy were assessed using the principles enunciated by the NYSDEC Division of Environmental Remediation Quality Assurance Group. The data quality

was determined to be acceptable and data qualifiers were added where appropriate. Copies of the DUSRs are included in Appendix E.

3.3 *Sampling Results*

The results of the soil, surface and groundwater sampling are presented in Tables 2-2, 2-3, 2-4, and 2-5 for volatiles, base/neutral/acid extractables, pesticides/PCBs and metals, respectively.

3.3.1 *Volatiles*

No TAL volatile organic compounds were detected above the TAGM 4046 recommended soil clean-up objectives. The low levels of volatiles, such as methylene chloride, acetone and 2-butanone are likely laboratory artifacts because these compounds are also detected in both the field and trip blanks. Non-point source discharges of petroleum products, e.g., from automobile parking or emissions are the likely sources of the low levels of benzene, toluene, and xylenes detected in several samples.

3.3.2 *Semivolatiles*

Semivolatile organic compounds (SVOCs) were detected in the soil, and sediment samples collected at the 500 Mamaroneck Avenue site. SVOCS detected include PAHs, PCBs and phthalates. The SVOC results are presented in Tables 2-3 and 2-4 for Base/Neutral/Acid Extractables, and pesticides/polychlorinated biphenyls (PCBs), respectively.

Polynuclear aromatic hydrocarbons were the most frequently detected SVOCs and were the only contaminants detected with concentrations exceeding TAGM 4046 recommended soil clean up objectives. PAH concentrations exceeded soil clean up objectives in 19 of the 32 samples collected including ERM-28C, ERM-30A, ERM-31C, ERM-35A, ERM-36A,

ERM-37A, ERM-39A, ERM-40F, ERM-41A, ERM-42A, ERM-44A, ERM-45A, ERM-46A, ERM-47A, ERM-48B, Uppper and Lower Pond Sediments, and the northwest catch basin sediment. The PAHs detected most frequently were: phenanthrene, fluoranthene, pyrene, benzo(a)anthracene and chrysene. These compounds were detected more than 30 times in the 36 samples collected. Other 3, 5 and 6 ring PAHs were the next most frequently detected compounds. This group includes anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene and benzo(g.h.i)perylene. PAHs are frequently formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances and as such their presence is consistent, with the existence of a municipal incinerator on site. Some levels of PAH's are also consistently found in any urban industrial/commercial area.

The only SVOCs detected in the surface- and groundwater were low concentrations of phthalates. Phthalates are used in plastics to prevent brittleness and are ubiquitously detected in samples collected using plastic sampling devices such as bailers, from the samplers gloves and the sample bottle cap liners. The phthalates detected in the surface- and groundwater samples were observed at concentrations estimated to be 1 microgram per liter (μg/L or part per billion [ppb]) or less. It is therefore likely that the phthalates present in these samples result from incidental contact with plastic materials as discussed above.

PCBs and pesticides were also detected in the borehole soil samples. Concentrations of these compounds were all below TAGM-4046 Recommended Cleanup Goals. Specifically, low concentrations of pesticides residuals were detected in all soil samples/sediment samples collected. The most frequently detected pesticides were DDT and its degradation products DDE and DDD, and α and γ chlordane. Use of these compounds has been prohibited from many years and their detection therefore reflects past property usage or airborne emissions. This is

confirmed by the detection of these compounds in the sediment collected from the wet area (swamp) in the eastern undeveloped section of the property. PCBs were detected in 22 out of the 25 borehole samples and in the sediment samples from the ponds and catch basins, including the eastern pond in the undeveloped portion of the property. The most frequently detected PCBs were Aroclor 1254 and 1260. However as stated above, PCB concentrations collected in these comprehensive investigations did not exceed TAGM-4046 Recommended Clean Up Goals.

3.3.3 *Metals*

TAL metals were detected in all samples collected at the 500 Mamaroneck Avenue site (Table 2-5). Soil metal concentrations were evaluated against TAGM-4046 levels, Eastern United States Background Soil metal concentrations and Elemental Concentration of Surface Materials in the Contiguous United States by Shacklette and Boerngen (Shacklette, H.T. and Boerngen, L.G. 1984. Element Concentrations in Soil and other Surficial Materials of the Conterminous United States. U.S. Geological Survey Paper 1220). The latter two references were used to establish site background metals concentrations because only a limited number of samples were collected from the undisturbed area of the site, i.e., from the undeveloped wooded area to the east of the site. This sample population is insufficient in size to use to determine statistically significant site background metals concentrations. Moreover based on the PCB and pesticide sampling results, the undeveloped portion of the site may have been impacted by the discussed past practices. Only the establishment of potential site background concentrations would confirm whether the residual concentrations on site are the result of the past incinerator activity or the result of the weathering of the exposed rock on site.

The bedrock at the site is Harrison Gneiss. The elemental composition of gneiss includes the following elements: sodium, potassium, calcium,

magnesium, iron, aluminum, chromium, titanium, silicon, oxygen and fluorine. Weathering of the gneiss could therefore increase concentrations of these elements.

As shown in Table 2-5, barium exceeded TAGM-4046 or background concentrations in boring ERM-31; cadmium exceeded TAGM-4046 or background concentrations in borings ERM-31, ERM-35, ERM-36, ERM-37 and in the Lower Pond Sediment; mercury exceeded TAGM-4046 or background concentrations in boring GP-35 and selenium exceeded TAGM-4046 or background concentrations in ERM-36.

Section 4

Section 4

4.0 *FATE AND TRANSPORT*

The fate and transport of the principle contaminants detected at the 500 Mamaroneck Avenue Site are discussed below. The discussion focuses on soil contamination because the groundwater and surface water in the ponds and the on-site supply well were not found to be contaminated.

4.1 *POLYCYCLIC AROMATIC HYDROCARBONS*

PAHs are formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances. PAHs can also occur naturally for example, in petroleum. PAHs are found throughout the environment in the air, water and soil particularly in urban industrial/commercial settings. There are more than 100 different PAH compounds.

As pure chemicals, PAHs generally exist as colorless, white or pale yellow-green solids. They have a faint, pleasant odor. Most PAHs do not occur alone in the environment, i.e., they generally part of a complex mixture, for example, in crude oil, coal tar, creosote, and road and roofing tars.

PAHs enter the environment largely as releases to air from the aforementioned combustion processes. They can also enter surface water through discharges from industrial plants and waste water treatment plants, and they can be released to soils at hazardous waste sites. The movement of PAHs in the environment depends on properties like their water solubility, vapor pressure, and molecular weight. PAHs in general do not easily dissolve in water. They are present in air as vapors or stuck to the surfaces of small solid particles and can travel long distances before they are removed through washout in rainfall or particle settling. Some PAHs can evaporate from surface waters, into the atmosphere, but most

will stick to solid particles and settle to the bottoms of rivers or lakes. In soils, the compounds are most likely to stick tightly to particles. Some PAHs can evaporate from surface soils to air. PAHs can break down to less short-lived products by reacting with sunlight and other chemicals in the air, generally over a period of days to weeks. Breakdown in soil and water generally takes weeks to months and is due mostly to the actions of microorganisms. Most of the PAHs in soil are believed to result from atmospheric deposition after local and long-range transport.

4.1.1 *PAH Transport and Partitioning*

Transport and partitioning of PAHs in the environment are determined to a large extent by physical/chemical properties such as water solubility, vapor pressure, Henry's law constant, octanol-water partition coefficient (K_{ow}), and organic carbon partition coefficient (K_{oc}). In general, PAHs have low water solubilities. The Henry's law constant is the partition coefficient that expresses the ratio of the chemical's concentrations in air and water al equilibrium and is used as an indicator of a chemical's potential to volatilize. The K_{oc} indicates the chemical's potential to bind to organic carbon in soil and sediment. The K_{ow} is used to estimate the potential for an organic chemical to move from water into lipid and has been correlated with bioconcentration in aquatic organisms. Some of the transport and partitioning characteristics (e.g., Henry's law constant, K_{oc} values, and K_{ow} values) of PAHs analyzed for during this investigation are roughly correlated to their molecular weights. These properties are discussed by grouping these PAHs as follows:

- Low molecular weight compounds (152-178 g/mol) acenaphthene, acenaphthylene, anthracene, fluorene, and phenanthrene
- Medium molecular weight compounds (202 g/mol) fluoranthene and pyrene; and

- High molecular weight compounds (228-278 g/mol) benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

4.1.2 *Transformation and Degradation*

Microbial metabolism is the major process for degradation of PAHs in soil environments. Photolysis, hydrolysis, and oxidation generally are not considered to be important processes for the degradation of PAHs in soils. The rate and extent of biodegradation of PAHs in soil are affected by environmental factors, characteristics of the microbial population, and the physical and chemical properties of the PAHs. Biodegradation half-lives of PAHs in soils ranged from about 2-60 days for compounds containing two and three aromatic rings to more than 300 days for compounds containing four and five aromatic rings. Environmental factors that may influence the rate of PAH degradation in soil include temperature, pH, oxygen concentration, PAH concentrations and contamination history of soil, soil type, moisture, nutrients, and other substances that may act as substrate co-metabolites. The size and composition of microbial populations in turn can be affected by these factors. For example, in low-pH soils, fungi are dominant over bacteria, and thereby control microbial degradation in these environments. Sorption of PAHs to organic matter and soil particulates also influences bioavailability, and hence, biotransformation potential. Sorption of PAHs by soil organic matter may limit biodegradation of compounds that would otherwise rapidly undergo metabolism.

4.1.3 *Sediment and Soil Background Concentrations*

PAHs are ubiquitous in soil. Background concentrations for urban soils (from the United States and other countries) are given below:

Compound	Concentration (μg/kg) Urban Soil
Acenaphtene	N/A
Acenaphthylene	N/A
Anthracene	N/A
Benzo(a)anthracene	169-59,000
Benzo(a)pyrene	165-220
Benzo(b)fluoranthene	15,000-62,000
Benzo(e)pyrene	60-14,000
Benzo(g,h,I)perylene	900-47,000
Benzo(k)fluoranthene	300-26,000
Chrysene	251-640
Fluoranthene	200-166,000
Fluorene	N/A
Indeno(1,2,3,cd)pyrene	8,000-61,000
Phenanthrene	N/A
Pyrene	145-147,000

In general, urban PAH concentrations exceed agricultural and rural. Evidence of the global distribution of PAHs is given by the over 150μg/kg concentrations of benzo(g,h,i)perylene and fluoranthene detected in arctic soils. Soil samples collected from remote wooded areas of Wyoming contained total PAH concentrations of up to 210 μg/kg. Soil samples collected from the site of a Seattle coal and oil gasification site, which ceased operation in 1956, contained pyrene levels up to 4,300 μg/kg. Soil samples collected from the Fountain Avenue Landfill in New York contained total PAH concentrations of 400-10,000 μg/kg. Total PAH concentrations of 4,000-8,000 μg/kg were detected in the soil near a complex road interchange in Switzerland, while a level of 2,300 g/kg was measured in an area removed from the road. A benzo(a)pyrene concentration of 650,000 μg/kg was measured in soil 10 meters from an industrial plant in Germany (Edwards 1983). Drainage stream sediments of a wood-preserving facility near Pensacola, Florida, contained various PAHs at individual levels up to 140,000 μg/kg (anthracene).

4.2 *POLYCHLORINATED BIPHENYLS*

PCBs bind strongly to soil and sediments and may remain there for years. PCBs will not typically travel deep into the soil with rainwater. In general, the breakdown of PCBs in the water and soil occurs over several years, or even decades. Sediments containing PCBs at the bottom of a large body of water such as a lake, river, or ocean generally act as a reservoir from which PCBs may be released in small amounts to the water. In national studies, PCBs have been detected in a very limited number of drinking water supplies. Based on the sampling data PCBs, presumably resulting from operations of the municipal incinerator, have impacted site soil. However, concentrations are below TAGM 4046 Soil Clean-up Guidelines. No PCB's have been detected in the groundwater at the subject site.

4.2.1 *PCB Soil Transport and Partitioning*

Low water solubility, high octanol-water partition coefficients of the PCBs and strong adsorption to soils and sediment indicate that leaching should not occur in soil under most conditions. The tendency to leach will be greatest among the least chlorinated congeners. Since the sorption of PCBs in soil is proportional to soil organic carbon content, leaching is expected to be greatest from soils with low organic carbon. PCBs in soil leach significantly in the presence of organic solvents, which might occur at a hazardous waste site. Storm water runoff will also transport PCBs from soil to surface water.

4.2.2 *Transformation and Degradation*

The ability of PCBs to be degraded or transformed in the environment depends on the degree of chlorination of the biphenyl molecule as well as on the isomeric substitution pattern. In general, the persistence of PCB congeners increases as the degree of chlorination increases.

4.2.3 *Sediment and Soil*

There is no chemical process known to degrade PCBs in sediment and soil. However, biodegradation via dechlorination may occur under anaerobic conditions. Biodegradation of PCBs in soil is low, especially in soils that have a high organic carbon content. In two soils containing 10% organic matter only 5% biodegradation of Aroclor 1254 was observed in 1 year. On the other hand greater than 25% biodegradation was observed in 1 year in a loamy sand soil containing 0.1% organic carbon. Furthermore, the less chlorinated biphenyls were biodegraded more rapidly than the highly chlorinated ones. It has been reported that the mono-, and di-chlorobenzoate, and possibly other higher chlorobenzoates formed from aerobic degradation of PCBs act as inhibitors towards further degradation of higher chlorinated PCBs. Therefore, the efficiency of PCB degradation is not only controlled by the enzyme substrate selectivity pattern, but also by the metabolite production pattern.

4.3 *METALS*

The most frequently detected metal at the 500 Mamaroneck Avenue site was cadmium. It was detected in borings ERM-31, ERM- 35, ERM-36, ERM-37 and the Lower Pond Sediment. Small amounts of cadmium leaching into groundwater enter the environment from the natural weathering of minerals, but most is released by industrial activities in this case most probably the municipal incinerator activities.

Cadmium in soils may tend to leach into water, especially under acidic conditions. Cadmium containing soil particles may also be entrained into the air or eroded into water, resulting in dispersion of cadmium into these media. Transformation processes for cadmium in soil are mediated by sorption and desorbtion from water and include precipitation, dissolution, complexation and ion exchange. Important factors affecting transformation in soil include the cation exchange capacity, the pH and the content of clay and carbonate minerals, oxides, organic matter and oxygen.

Finally, the boring locations with cadmium concentrations in excess of TAGM-4046 Guidelines are along the western boundary of the property, i.e., along Mamaroneck Avenue. There is no evidence of cadmium leach at this site.

Section 5

5.0 *FINDINGS AND RECOMMENDATIONS*

5.1 *REMEDIATION ANALYSIS*

The site has been impacted by past site activities with detectable concentrations of PAHs, PCBs, pesticides and metals observed in soil and sediment. The source of these contaminants is most likely emissions from the former Town of Harrison Municipal Incinerator and/or operations at the transfer station, which were both located on site. Emission of contaminants from the incinerator stack followed by on-site deposition is suggested due to the site wide distribution of contaminants including areas of the site, which have not been developed or reworked during the construction of the existing building.

As discussed in Section 3, PAHs are the principal chemicals found on site. PAH are the only chemicals whose concentrations exceed TAGM 4046 Recommended Clean up Guidelines. Specifically, PAH concentrations exceeded guidelines in AOC1, AOC-3 and AOC-4. In addition, the berm south of AOC-3, (extending into the small parking area located to the east of the main parking lot) and a semi-circular area defined by borings ERM-44, ERM-45, ERM-46 and ERM-47 also contain PAHs in excess of Clean up Guidelines.

These areas are generally covered by asphalt pavement, grass or ornamental plantings. The condition of the asphalt is good and the vegetative cover is well maintained. These concentrations are not at the surface. Therefore there is no current exposure pathways for human contact.

Furthermore, as indicated in Section 3, the most frequently detected PAHs at the site contain three or more rings. These high molecular weights PAHs are extremely immobile due to their low solubilities and vapor

pressures, high Henry Law Constants (atm * m^3/mol), high K_{ow}s and K_{oc}s. These data indicate that the residual PAHs at the site will strongly adsorb to soil. The strong soil adsorbtion reduces their bioavailability, which in turn reduces the rate of biodegradation. The three and four membered ring PAHs present at the site will therefore persist in the environment but not migrate. The same physical characteristics, which make these PAHs resistant to degradation also makes them extremely immobile. This is consistent with the data collected in the various investigation carried out at the site. These studies show that 3 and 4 membered ring PAH persist at the site even though the likely source was removed almost 20 years ago. During this time period, however, the PAHs have not migrated to the groundwater. PAH immobility is confirmed by the Toxicity Characteristic Leaching Procedure (TCLP) Testing carried out during the initial Site Assessment (Site Assessment Report, June 1998) on samples collected from soil borings ERM-11, ERM-12 and ERM-13, located in AOC-3. PAH concentrations in the TCLP extracts were all significantly below the TAGM 4046 standards for protection of groundwater.

TAGM-4046 Recommended Soil Clean up Guidelines were developed for the protection of groundwater assuming the best groundwater usage is as a drinking water source. Since there is no drinking water at or in the vicinity of the site the rationale for the application of the guidelines does not apply here. The Town of Harrison Municipal Water System supplies Drinking Water for the building and surrounding properties. Additionally, urban background PAH concentrations are not reflected in the TAGM-4046 Guidance Values. This also makes application of these clean-up values inappropriate at the site.

More importantly, TAGM-4046 Clean up Guidelines were developed using a leaching model conceptualized for environmental settings with unconsolidated deposits (soil) overlying the groundwater. At 500 Mamaroneck Avenue, in most areas of the site, there is only a thin soil

verneer overlying bedrock. Transport of contaminants in a bedrock environment involves both adsorbtion/desorbing in any unconsolidated soil verneer, which may be present and surface interactions in bedrock fractures. These interactions may involve both organic carbon containing material, fracture topology and minerals within fractures through which water may move. Therefore the model used for the guidelines which relies on the bulk partitioning of contaminants between organic material in a soil column bears little relationship or applications to the geological configuration of this site.

There is one on-site groundwater well at 500 Mamaroneck Avenue, used to supply water to a decorative fountain and the Upper Pond. This well is approximately 300-feet deep. The depth of this well suggests that the water table occurs at a substantial depth below land surface and/or that there are few fractures in the bedrock under the site through which groundwater can move. A deep well was therefore installed (as an in ground cistern) to obtain sufficient water for operation of the fountain and pond. If the former assumption is true, any chemicals present in the soil above the bedrock would need to travel that substantial distance before encountering the water table. In the time and distance it would take to reach the water table, those chemicals would undergo dispersion and degradation. If the latter assumption is true, there is little groundwater under the site and a viable drinking water supply could not be be developed. In either case there is no basis for strictly applying the TAGM-4046 guidelines to the environmental and geological condition shown to exist at this site.

In either of these two cases, because of the complexity of the groundwater system, a practical assessment of potential groundwater impacts was conducted i.e., by examining leachable chemical concentrations, rather than by relying on a model and cleanup guidelines developed for an unconsolidated flow system. As discussed above, we conducted as part of

these investigations representative TCLP testing of the soil. This testing demonstrated that the PAHs (and metals) contained in the soil at the site are not mobile. In fact, PAH concentrations in the TCLP extract meet 6 NYCRR Part 703 Groundwater Standards. It is therefore not possible for contaminants present in the soil at the 500 Mamaroneck Avenue site to leach into the groundwater in concentrations above the NY State standards. In addition, the TCLP extraction procedure is significantly more aggressive than either rain or snow melts in leaching contaminants from the soil. Any contaminants mobilized by infiltration would necessarily be at lower concentrations than observed in the TCLP testing (Reference).

As further proof of this condition, the PAH's at this site, came from incinerator activity commencing in 1954, over 45 years ago. Yet the groundwater tests show that chemicals have not reached groundwater in that substantial time frame. It is therefore not reasonable to assume that chemicals will not reach groundwater in the future.

It must therefore be concluded that the PAHs present in the 500 Mamaroneck Avenue soils will not impact groundwater in concentrations above groundwater/drinking water quality standards, even though PAH soil concentrations are above TAGM-4046 levels. This conclusion is supported by the groundwater analysis reported in Section 3, which found the groundwater from the on-site supply well to be uncontaminated.

5.2 *SOIL EXCAVATION COST ESTIMATE*

Setting aside the analysis set forth above on the inapplicability and inappropriateness of the TAGM-4046 to this particular site, we have undertaken to analyze the potential cost of soil excavation to determine the appropriateness of this remedy for the site from a cost effectiveness

and environmental benefit analysis. A rough order of magnitude cost estimate to remove the PAH contaminated soil at 500 Mamaroneck Avenue was calculated. We assumed soil in each of the three contaminated AOCs (AOC-1, AOC-3 and AOC-4) and semi-circular area defined by borings ERM 44 through ERM-47 (interior south parking lot)would be removed to bedrock. Soil from the southern berm would also be removed to the depth of the contamination observed during the Remediation Investigation Site Assessment, approximately 11-feet bgl. In addition, sediments would be removed from the Upper and Lower Pond and the northeastern catch basin.

The volume of soil to be removed was based on the bedrock depths in each AOC determined by the geophysical investigation and the surface elevations obtained from the latest survey. Included in the cost estimate were costs for, project oversight, equipment and equipment operators, backfill, landscaping, pavement, disposal and applicable taxes. No costs were included for soil sampling to confirm that contaminants had been removed and no contingency costs were included for larger excavations. The estimated clean up costs are at least:

AOC-1	$ 278,000
AOC-3	$ 470,000
AOC-4	$ 230,000
South Berm	$ 527,000
Interior South Parking Lot	$ 121,000
Ponds & Basin	$ 9,000
GRAND TOTAL	**$1,635,000**

Although this is not a Federal Superfund site either legally or in degree of risk to human health and the environment, the guidance on the selection of appropriate remedial alternatives from the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA [or Superfund]) and the National Oil and Hazardous Substances Contingency

Plan (NCP) was reviewed for guidance on appropriate site remediation criteria. Two of the principal considerations in selecting a Remediation under Superfund are:

- Protection of Human Health and the Environment and
- Cost Effectiveness.

Based on actual testing of soil material the PAHs contained in the soil at 500 Mamaroneck Avenue do not leach and are therefore not a threat to groundwater. There are no direct exposure pathways, such as direct contact and ingestion because the paving and vegetative cover prevent contact or ingestion of the soil. In fact, excavation and removal of the PAH contaminated soil could create exposure pathways where none currently exist. Excavation will create a direct contact pathway because the pavement will have to be removed to reach the PAH contaminated soil and potentially create an air exposure pathway if PAH contaminated soil becomes airborne. Therefore protection of human health and the environment does not require excavation.

In terms of cost effectiveness, remedial alternatives that have costs that are "grossly excessive compared to [their] overall effectiveness" should be screened out of consideration (Reference). Removing PAH contaminated soil at 500 Mamaroneck Avenue to attempt to meet TAGM-4046 Recommended Clean up Goals, the excavation will simply transfer the chemicals from this site to another location where it will potentially create new and greater environmental risks. This would appear to be an unnecessary expense and risk based on the TCLP testing and the groundwater monitoring showing that the PAHs are not mobile and have not impacted groundwater, despite being present at the site for more than 45 years. The 1.6 million-dollar excavation costs therefore appears "grossly excessive" compared to the overall effectiveness and necessity of this remedy.

5.3 *VOLUNTARY CLEANUP PLAN CONSIDERATIONS AND RECOMMENDATIONS*

Volunter MMA and current owner have expended significant monies and effort on the investigation and evaluation of the environmental conditions at the site. Their efforts have defined the nature and extent of the contamination at the site. MMA has demonstrated the lack of exposure pathways and the limited risk presented by the site in view of the current and contemplated future uses of the site.

The remedial analysis and cost effectiveness calculations suggest that an appropriate remedy under the VCA may be institutional controls such as the filing of a deed restriction for the site. Other potential controls may includethe development of a long-term maintenance plan. If necessary, thedeed restriction could limit use of the property to the uses contemplated under the VCA and require notification to NYSDEC if the site is to be redeveloped for other uses. As long as the asphalt pavement and vegetative cover are maintained at the site, there will be no direct contact or inhalation exposure pathway.

A long term maintenance plan could address continued maintenance of the asphalt parking area and vegetative cover, especially along the southern berm. The plan could also address the precautions, which will be required if the reconstruction or reconfiguration of AOC-1, AOC-3, AOC-4, the southern berm or the interior of the southern parking lot is undertaken. Finally, the plan may include biennial collection of groundwater samples (at wet and dry seasons) to confirm that the PAHs do not impact groundwater. If PAH impacts are not detected after 1-year's sampling, sampling would be discontinued.

The contemplated uses and the above analyses indicating lack of exposure and limited risk, in conjunction with the fact that this project is being

handled under the NY State Voluntary Cleanup program, provides sufficient basis for not requiring the Volunteer to undertake additional remedial measures in this matter. The Volunteer, MMA, a past owner and operator of the facility, was not responsible for the present environmental conditions at the site. In the work performed to date and the possible institutional controls suggested, the extent of obligation envisioned by the Voluntary Cleanup Program will be met.

Section 6

Section 6

6.0 *REFERENCES*

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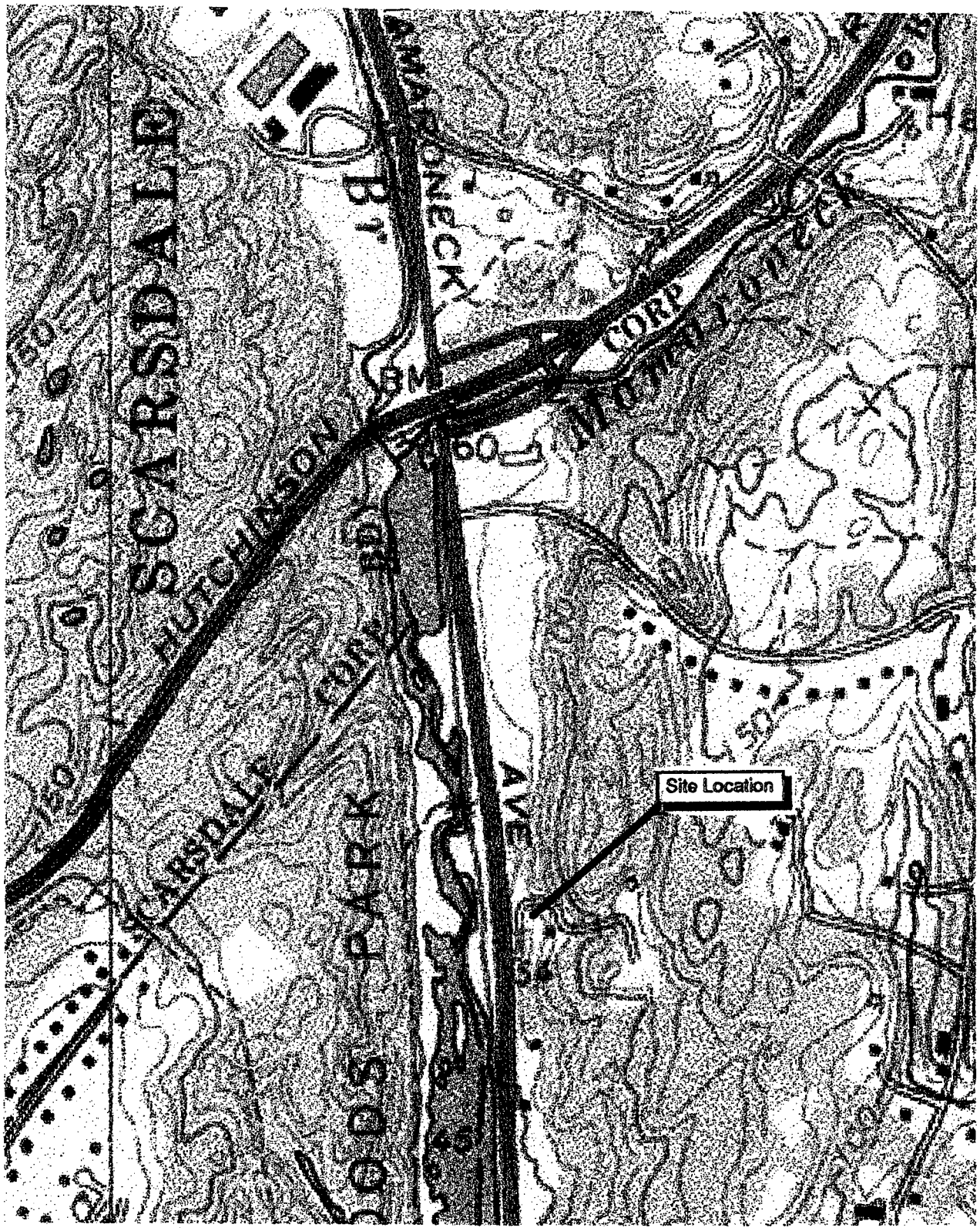
Figures



TITLE

SITE LOCATION MAP

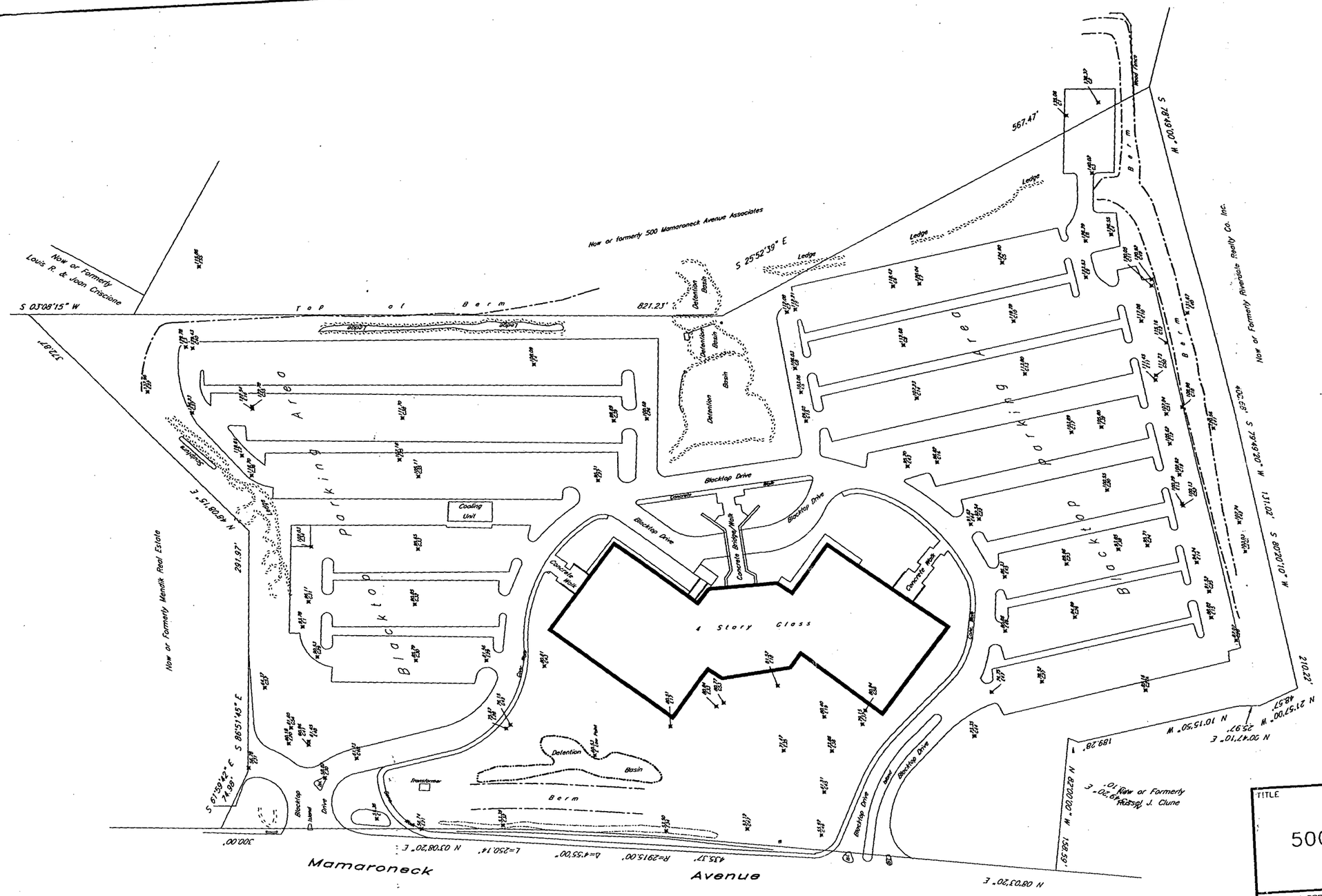
PREPARED FOR

500 MAMARONECK ASSOCIATES

ERM
Environmental Resources Management

SCALE	FIGURE
NONE	1-1

DRAWN	JOB NO.	FILE NAME	DATE
E.M.F.	1454.001		6/18/98



Boring Location Map
prepared for
E.R.M. Corporation
in the Town of
Harrison
Westchester County, N.Y.
Scale 1"=50' August 4, 1999

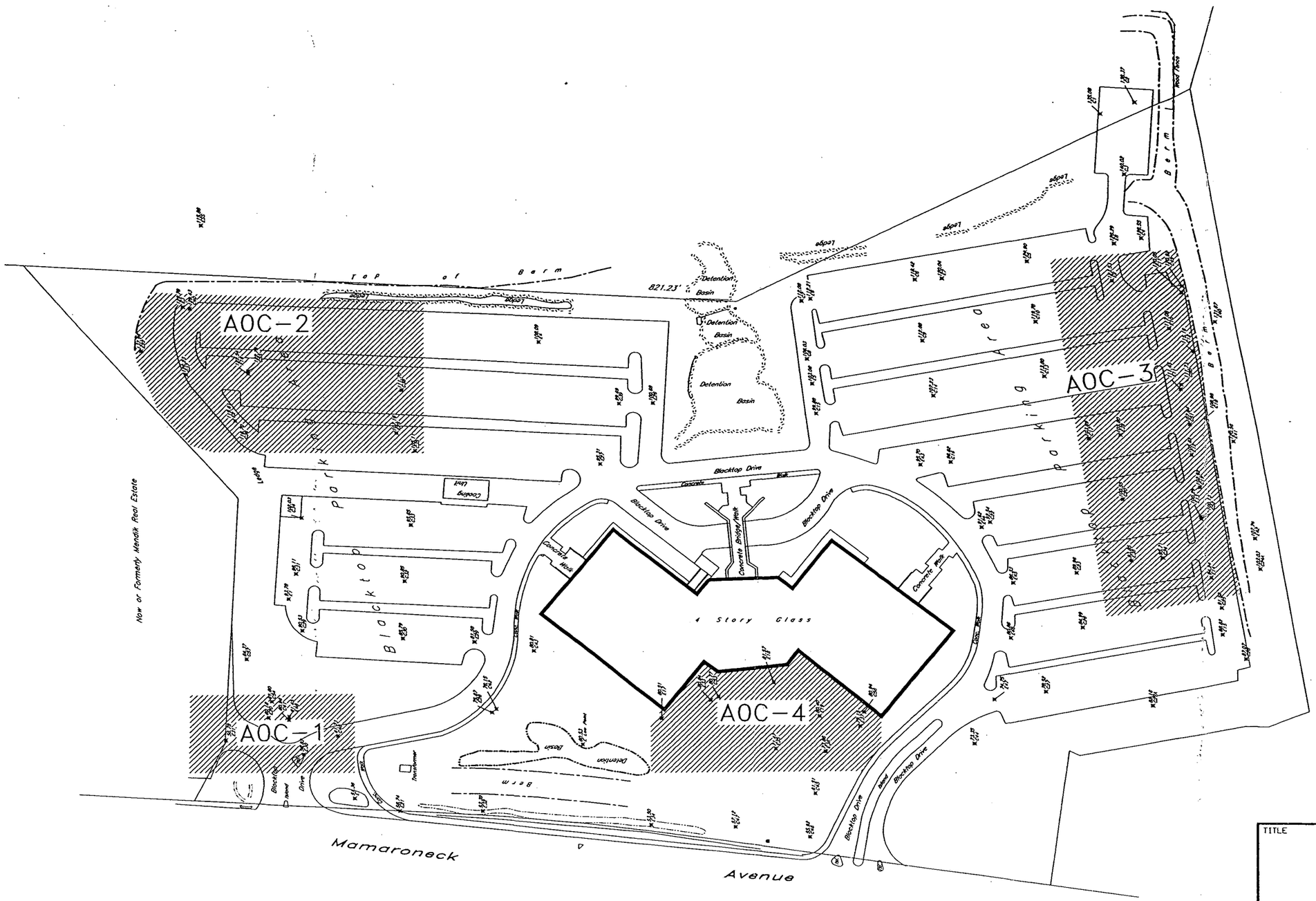
Ward Carpenter Engineers Inc.
76 Mamaroneck Avenue
White Plains, N.Y. 10601

TITLE
SITE PLAN
500 Mamaroneck Avenue

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM
Environmental Resources Management

DRAWN:	JOB NO.:	FILE NAME:	SCALE	FIGURE
G.G.	X8101.00.01	14540003	1"=120'	2
			DATE 11/1/99	



LEGEND

AOC-1 – AREAS OF ADDITIONAL INVESTIGATION

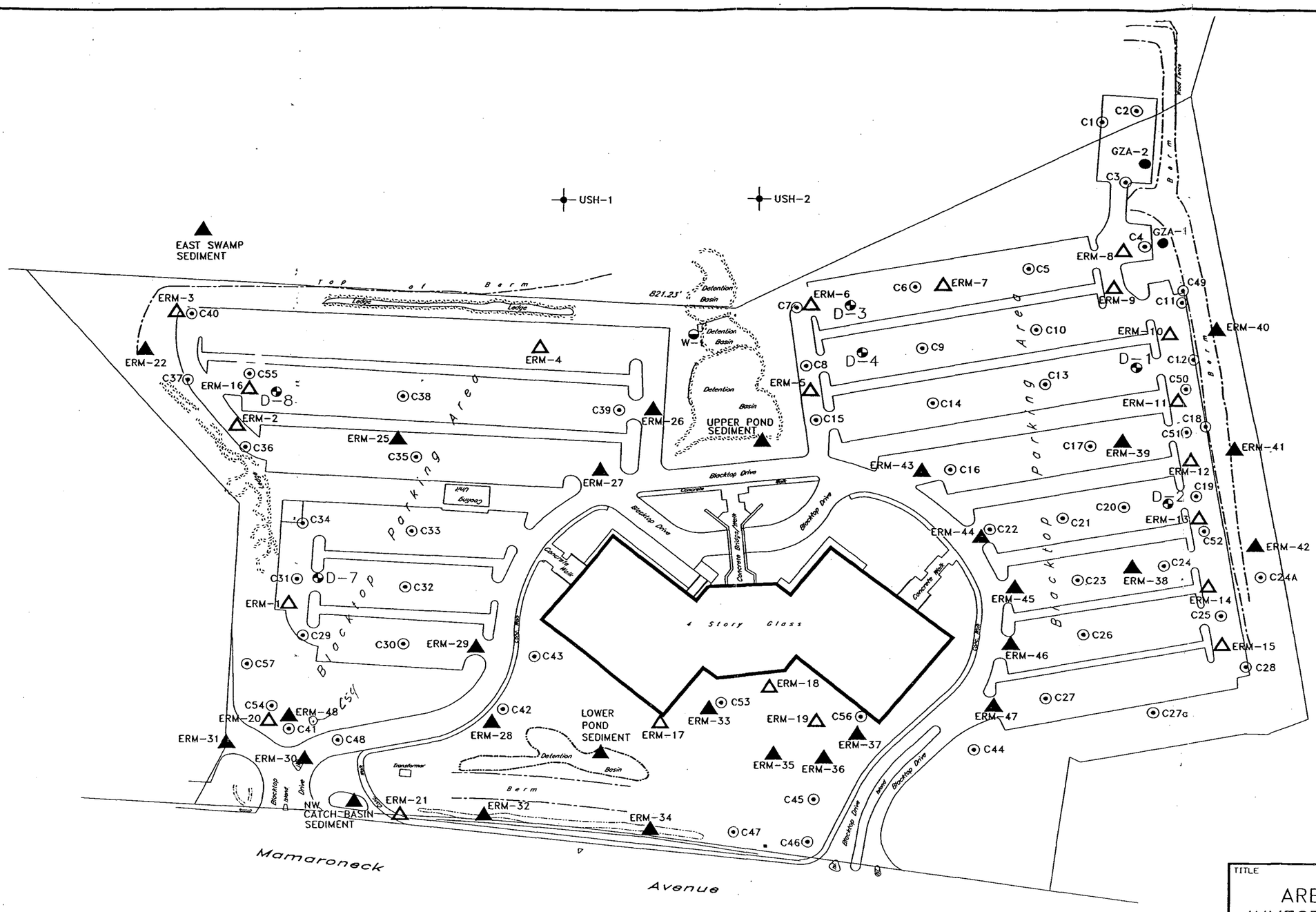
TITLE

AREAS OF ADDITIONAL INVESTIGATION– GEOPHYSICAL SURVEY

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management		SCALE 1"=120'	FIGURE 3
DRAWN: G.G.	JOB NO.: X8101.00.01	FILE NAME: 14540004	DATE 11/1/99



LEGEND

- ▲ ERM-22 –ERM BORING LOCATIONS–1999
- △ ERM-1 –ERM BORING LOCATIONS--1998
- ⊙ C1 –CONECO BORING LOCATIONS
- ◐ D-7 --DAMES & MORE SAMPLING LOCATIONS–1989
- ◒ W-1 –GROUNDWATER SUPPLY WELL
- ● GZA-1 –GZA SAMPLING LOCATIONS – 1986
- USH-1 –US HYDROGEOLOGIC, INC. SAMPLING LOCATIONS

TITLE

AREAS OF ADDITIONAL INVESTIGATION–SOIL BORINGS

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN:	JOB NO.:	FILE NAME:	SCALE	DATE	FIGURE
G.G.	X8101.00.01	14540005	1"=120'	11/1/99	4

Tables

Tables

Table 1-A. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - ERM - May, 1998

Boring		GP-1A	GP-1B	GP-2A	GP-3A	GP-4A	GP-5A	GP-5B	GP-6A	GP-7A	GP-8A	GP-8B	GP-8C	GP-9A	GP-9B	GP-10A
Depth (feet below land surface)		0 - 4	4 - 7.5	0.5 - 2.25	0 - 1.75	0 - 2.25	0 - 3.5	3.5 - 6.5	0 - 1	0.25 - 2.25	0 -3	3 - 6	6 - 8	0 - 3	3 - 5.5	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter																
	Toxicity Characteristic															
RCRA Metals (ug/L)	Standards (ug/l)															
Arsenic	5,000	3.8 U		38 U	38 U				38 U						38 U	
Barium	100,000	**318**		**961**	**681**				**1760**						**1190**	
Cadmium	1,000	2 U		2 U	2 U				2 U						2.5 B	
Chromium	5,000	5 U		5 U	5 U				5 U						5 U	
Lead	5,000	49.6 B		58 B	43 B				27.9 B						**266**	
Mercury	200	2 U		2 U	2 U				2 U						2 U	
Selenium	1,000	39 U		39 U	39 U				39 U						56.1 B	
Silver	5,000	2 U		2 U	2 U				2 U						2 U	
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)															
Aroclor-1016		47 U		37 U	35 U				35 U						38 U	
Aroclor-1221		96 U		74 U	71 U				71 U						76 U	
Aroclor-1232		47 U		37 U	35 U				35 U						38 U	
Aroclor-1242		47 U		37 U	35 U				35 U						38 U	
Aroclor-1248		47 U		37 U	35 U				35 U						22 J	
Arclor-1254		47 U		37 U	35 U				35 U						32 J	
Aroclor-1260		47 U		37 U	35 U				35 U						16 J	
Total PCBs	1, 000 (surface)														70	
Total PCBs	10,000 (subsurface)															
PAHs (ug/Kg)																
Acenaphthene	50,000***	140 U		110 U	420 U				110 U						450 U	
Acenaphthylene	41,000	140 U		110 U	420 U				110 U						450 U	
Anthracene	50,000***	140 U		110 U	420 U				45 J						450 U	
Benzo(a)anthracene	224 or MDL	140 U		**110**	420 U				110 J						450 U	
Benzo(b)fluoranthene	1,100	140 U		**140**	420 U				**120**						450 U	
Benzo(k)fluoranthene	1,100	140 U		110 U	420 U				47 J						450 U	
Benzo(g,h,I)perylene	50,000***	140 U		110 U	420 U				47 J						450 U	
Benzo(a)pyrene	61 or MDL	140 U		61 J	420 U				88 J						450 U	
Chrysene	400	140 U		**150**	420 U				**120**						450 U	
Dibenz(a,h)anthracene	14 or MDL	140 U		110 U	420 U				110 U						450 U	
Fluoranthene	50,000***	140 U		110 U	420 U				110 U						450 U	
Fluorene	50,000***	140 U		110 U	420 U				110 U						450 U	
Indeno(1,2,3-cd)pyrene	3,200	140 U		110 U	420 U				49 J						450 U	
Naphthalene	13,000	140 U		110 U	420 U				110 U						450 U	
Phenanthrene	50,000***	140 U		110 U	420 U				**150**						450 U	
Pyrene	50,000***	140 U		**180**	420 U				**180**						450 U	
2-Methylnaphthalene	36,400															
Immuno Assay (UG/Kg)	MDL															
PAHs	4 ug/Kg	16	142	408	287	142	32	28	407	106	85	41	113	24	23	79
PCBs	500 ug/Kg	ND	ND	5 J	1 J	62 J	ND	ND	105 J	ND	ND	1 J	ND	ND	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1-A. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - ERM - May, 1998

Boring		GP-10B	GP-11A	GP-11A	GP-11B	GP-11C	GP-12A	GP-12A	GP-12B	GP-12B	GP-12B	GP-12C	GP-13A	GP-13A	GP-13C	GP-14A
Depth (feet below land surface)		3 - 6	0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	0 - 3	3 - 6	3 - 6	3 - 6	6 - 7	0 - 3	0 - 3	6 - 7	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter				TCLP				TCLP		Dilution	TCLP			TCLP		
	Toxicity Characteristic															
RCRA Metals (ug/L)	Standards (ug/l)															
Arsenic	5,000		38 U		38 U		38 U		38 U				38 U			
Barium	100,000		**2570**		**1610**		**856**		**900**				**1430**			
Cadmium	1,000		**18.5**		**8.6**		4.6 B		4.2 B				**20**			
Chromium	5,000		5 U		5 U		5 U		5 U				5 U			
Lead	5,000		**1220**		**704**		**178**		**224**				**541**			
Mercury	200		2 U		2 U		2 U		2 U				**2.2**			
Selenium	1,000		39 U		58.5 B		39 U		39 U				39 U			
Silver	5,000		2 U		2 U		2 U		2 U				2 U			
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)															
Aroclor-1016			800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U		
Aroclor-1221			1600 U	2 U	78 U		84 U	2 U	74 U		2 U		67 U	2 U		
Aroclor-1232			800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U		
Aroclor-1242			800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U		
Aroclor-1248			800 U	1 U	**57**		19 J	1 U	**48**		1 U		**48**	1 U		
Arclor-1254			800 U	1 U	38 U		26 J	1 U	**69**		1 U		**69**	1 U		
Aroclor-1260			800 U	1 U	**260**		11 J	1 U	34 J		1 U		34 J	1 U		
Total PCBs	1, 000 (surface)		**4200**		**317**		56		151				151			
Total PCBs	10,000 (subsurface)															
PAHs (ug/Kg)																
Acenaphthene	50,000***		120 U	10 U	120 U		**120**	10 U	**700**	**710** D	4 J		1300	2 J		
Acenaphthylene	41,000		120 U	10 U	120 U		110 J	10 U	**790**	**740** D	10 U		440 J	10 U		
Anthracene	50,000***		120 U	10 U	120 U		**600**	0.2 J	**2200**	**2300** D	0.7 J		**1200**	0.2 J		
Benzo(a)anthracene	224 or MDL		54 J	10 U	46 J		**920**	10 U	**4500**	**5000** D	10 U		**1600**	10 U		
Benzo(b)fluoranthene	1,100		72 J	10 U	83 J		**1100**	10 U	**3800**	**5000** D	10 U		**2600**	10 U		
Benzo(k)fluoranthene	1,100		46 J	10 U	110 J		**440**	10 U	**1800**	**1500** D	10 U		**910**	10 U		
Benzo(g,h,I)perylene	50,000***		120 U	10 U	120 U		**260**	10 U	**650**	**930** D	10 U		340 J	10 U		
Benzo(a)pyrene	61 or MDL		60 J	10 U	43 J		**830**	10 U	**2900**	**3800** D	10 U		**1200**	10 U		
Chrysene	400		**160**	10 U	82 J		**1100**	10 U	**4500**	**6000** D	10 U		**2300**	10 U		
Dibenz(a,h)anthracene	14 or MDL		120 U	10 U	120 U		120 U	10 U	**250**	150 JD	10 U		440 U	10 U		
Fluoranthene	50,000***		120 U	10 U	98 J		**1800**	10 U	**6500** E	**7800** D	0.8 J		440 U	0.6 J		
Fluorene	50,000***		120 U	10 U	120 U		**210**	10 U	**1400**	**1500** D	2 J		**730**	0.7 J		
Indeno(1,2,3-cd)pyrene	3,200		120 U	10 U	120 U		**290**	10 U	**860**	**1200** D	10 U		400 J	10 U		
Naphthalene	13,000		120 U	10 U	120 U		60 J	10 U	**1000**	**1200** D	10 U		440 U	10 U		
Phenanthrene	50,000***		93 J	10 U	120 U		**1300**	0.9 J	**4700**	**5500** D	4 J		**2000**	0.8 J		
Pyrene	50,000***		92 J	10 U	81 J		**1500**	10 U	**6200** E	**6700** D	0.7 J		440 U	0.4 J		
2-Methylnaphthalene	36,400															
Immuno Assay (UG/Kg)	MDL															
PAHs	4 ug/Kg	69	55		122	132	370		332			170	332		156	57
PCBs	500 ug/Kg	ND	323 J		162 J	82 J	105 J		45 J			82 J	62 J		1 J	11 J

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 2
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1-A. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - ERM - May, 1998

Boring		GP-15A	GP-16A	GP-17A/B	GP-17B/C	GP-17D/E	GP-18A/B	GP-18C/D	GP-18D/E	GP-19A/B	GP-19B/C	GP-19D/E/F	GP-20A	GP-20B	GP-21A	GP-21B
Depth (feet below land surface)		0 - 2	0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 12	0 - 3	3 - 6	0 - 3	3 - 6
Date Sampled		12-May-98	26-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	26-May-98	26-May-98	26-May-98	26-May-98
Parameter	Toxicity Characteristic Standards (ug/l)															
RCRA Metals (ug/L)																
Arsenic	5,000										300 U	300 U	300 U		300 U	
Barium	100,000										**1050**	**1070**	**1320**		**1820**	
Cadmium	1,000										**5.8**	5 U	**6.1**		**55.6**	
Chromium	5,000										**11**	**15.7**	10 U		10 U	
Lead	5,000										**311**	**104**	**653**		**588**	
Mercury	200										2 U	2 U	2 U		2 U	
Selenium	1,000										500 U	500 U	500 U		500 U	
Silver	5,000										10 U	10 U	10 U		10 U	
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)															
Aroclor-1016											33 U	33 U	33 U		33 U	
Aroclor-1221											67 U	67 U	67 U		67 U	
Aroclor-1232											33 U	33 U	33 U		33 U	
Aroclor-1242											33 U	33 U	33 U		33 U	
Aroclor-1248											22 J	24 J	33 U		21 J	
Arclor-1254											**42**	**74**	33 U		**62**	
Aroclor-1260											20 J	**50**	11 J		36 J	
Total PCBs	1, 000 (surface)										84	148	11		119	
Total PCBs	10,000 (subsurface)															
PAHs (ug/Kg)																
Acenaphthene	50,000***										100 J	5500 J	49 J		38 J	
Acenaphthylene	41,000										81 J	330 U	24 J		330 U	
Anthracene	50,000***										150 J	**12000**	220 J		89 J	
Benzo(a)anthracene	224 or MDL										**560**	**13000**	**920**		290 J	
Benzo(b)fluoranthene	1,100										**840**	5700 J	**740**		210 J	
Benzo(k)fluoranthene	1,100										**600**	5500 J	**700**		230 J	
Benzo(g,h,I)perylene	50,000***										280 J	7000 J	280 J		230 J	
Benzo(a)pyrene	61 or MDL										**1000**	**9700**	**850**		260 J	
Chrysene	400										**680**	**13000**	**1100**		300 J	
Dibenz(a,h)anthracene	14 or MDL										300 J	5400 J	300 J		260 J	
Fluoranthene	50,000***										**1000**	**22000**	**1500**		**450**	
Fluorene	50,000***										78 J	7000 J	66 J		37 J	
Indeno(1,2,3-cd)pyrene	3,200										400 J	7400 J	380 J		310 J	
Naphthalene	13,000										32 J	4400 J	330 U		330 U	
Phenanthrene	50,000***										350 J	**42000**	**860**		320 J	
Pyrene	50,000***										**1300**	**30000**	**1300**		370 J	
2-Methylnaphthalene	36,400										330 U	3900 J	330 U		330 U	
Immuno Assay (UG/Kg)	MDL															
PAHs	4 ug/Kg	89	140	222	42	26	36	16	8	19	888	494	618	444	244	7
PCBs	500 ug/Kg	ND	ND	ND	3 J	12 J	ND	90 J	42 J	121 J	ND	121 J	ND	247 J	63 J	42

‡ January 1994

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, ‡
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

TABLE 1-B-1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs), Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-3 2'-4'	B-4 4'-6'	B-9 0'-1'	B-10 6'-8'	B-13 12-16	B-15 0'-1'	B-19 2'-4'	B-21 0'-3'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	B-41 0'-4'	B-1 2'-4'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	1.5	ND	1.0	ND	130	ND	ND
Benzo(a)anthrecene	0.73	ND	ND	ND	ND	ND	6.3	1.2	1.9	ND	150	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	10	1.3	1.2	ND	91	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	5.1	1.3	1.8	ND	95	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	3.9	ND	0.77	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	10	1.4	2.2	ND	130	ND	ND
Chrysene	0.84	ND	ND	ND	ND	ND	7.8	1.4	2.1	ND	150	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Fluoranthene	2.0	ND	ND	ND	ND	ND	18	3.4	9.5	ND	670	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	0.79	ND	0.86	ND	180	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	0.76	ND	74	ND	ND
Phenanthrene	1.0	ND	ND	ND	ND	ND	6	2.0	7.6	ND	640	ND	ND
Pyrene	1.9	ND	ND	ND	ND	ND	19	3.9	6.7	ND	460	0.7	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	ND	ND
Total CPAHs ppm =	**6.47**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**93.89**	**15.9**	**36.39**	**0.0**	**2,784**	**0.7**	**0.0**

* = black tar-like material

As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 1-B-1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs) Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-49 0'-4'	B-50 0'-4'	B-50 4'-8'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthrecene	0.88	ND	ND	1.7	1.6	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	1.8	1.6	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	1.0	ND	ND	2.0	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	1.7	1.5	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.2	ND	ND	1.8	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3.0	ND	ND	3.6	4.0	ND	ND	ND	ND	3.0	0.9	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1.8	ND	ND	2.3	3.4	ND	ND	ND	ND	2.2	0.72	ND	ND	ND	ND	ND	ND
Pyrene	2.5	ND	ND	4.0	4.0	ND	ND	ND	ND	2.4	0.77	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CPAHs ppm =	**11.48**	**0.0**	**0.0**	**18.9**	**21.02**	**0.0**	**0.0**	**0.0**	**0.0**	**11.47**	**2.39**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 1-B-2 Polychlorinated Biphenyls (PCBs) ConecoSoil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-18 0'-4'	B-19 2'-4'	B-24 0'-3'	B-28 4'-6'	B-24A 8'-10'	B-39 0'-4'	B-35 4'-7'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	1.2 ppm	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

* = black tar-like material

TABLE 1-B-2 Polychlorinated Biphenyls (PCBs) Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-50 4'-5.5'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	0.9 ppm	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 1-B-2 Polychlorinated Biphenyls (PCBs) Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY

PCBs ppm	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	0.160 ppm	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 1-B-3 Target Analyte List (TAL) METALS Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

TAL Metals ppm	B-3 2'-4'	B-18 0'-4'	B-19 2'-4'	B-31 0'-2'	B-41 4'-6'	B-28 4'-6'	B-39 0'-4'	B-47 0'-3'	B-48 4'-6'	B-41* 5'	Eastern USA SB	NYDEC TAGM
Silver	0.87	2.6	0.63	BQL	BQL	BQL	BQL	BQL	BQL	0.60	N/A	SB
Aluminum	9,900	9,100	8,800	16,000	16,000	11,000	15,000	13,000	15,000	17,000	33,000	SB
Arsenic	BQL	BQL	BQL	BQL	7.8	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	87	290	110	300	260	240	270	190	230	190	15-600	300 or SB
Beryllium	0.51	0.69	0.51	0.73	0.88	0.48	0.72	0.54	0.59	0.68	0-1.75	0.16 (HEAST) or SB
Calcium	13,000	11,000	7100	5,500	11,000	6700	7,000	5,500	5,500	4,700	130-35,000***	SB
Cadmium	4.8	16	6.2	8.2	17	5.4	9.8	6.7	7.4	7.3	0.1-1	1 or SB
Cobalt	7.1	4.3	7.7	13	11	7.0	13	11	12	11	2.5-60**	30 or SB
Chromium	26.0	26	18.0	72	49	27	76	65	65	56	1.5-40**	10 or SB
Copper	22.0	230	110	26	120	27	61	23	26	21	1-50	25 or SB
Iron	15,000	50,000	20,000	28,000	55,000	17,000	31,000	23,000	26,000	24,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	0.78	BQL	BQL	1.7	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	2900	670	3300	12,000	5,000	3,000	12,000	10,000	10,000	7,600	8,500-43,000	SB
Magnesium	12,000	1,400	3600	15,000	7,500	6600	15,000	12,000	13,000	11,000	100-5,000	SB
Manganese	250	340	260	410	410	310	400	330	400	300	50-5,000	SB
Sodium	3700	2,200	1400	1,400	270	270	510	130	210	180	6,000-8,000	SB
Nickel	13.0	18	15.0	28	30	15	31	26	24	23	0.5-25	13 or SB
Lead	27.0	910	71	21	540	470	62	17	9	21	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	25.0	11	23.0	51	38	30	52	43	48	45	1-300	150 or SB
Zinc	56.0	670	340	79	370	200	150	62	49	65	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

* = black tar-like material N|A = Not Available

TABLE 1-B-3 Target Analyte List (TAL) METALS Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-51 0'-4'	B-51 4'-6.5	B-52 0'-4'	B-52 4'-7'	B-53 0'-4	B-53 4'-8'	Eastern USA SB	NYDEC TAGM
Silver	BQL	1.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	12,000	7,200	13,000	7,700	7,300	12,000	15,000	11,000	14,000	33,000	SB
Arsenic	12	12	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	250	670	170	75	170	180	79	120	140	15-600	300 or SB
Beryllium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.55	BQL	0-1.75	0.16 (HEAST) or SB
Calcium	7,300	17,000	6,400	20,000	18,000	13,000	1,300	3,300	3,400	130-35,000***	SB
Cadmium	12	39	15	6.2	8	15	5.4	6.6	7.2	0.1-1	1 or SB
Cobalt	11	10	12	6.7	5.71	12	7.8	8.7	11	2.5-60**	30 or SB
Chromium	42	130	52	16	20	39	29	30	41	1.5-40**	10 or SB
Copper	280	380	160	24	54	120	14	45	24	1-50	25 or SB
Iron	33,000	93,000	43,000	18,000	23,000	45,000	17,000	19,000	22,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	5,000	750	5,500	2,100	1,600	3,700	1,200	2,900	5,000	8,500-43,000	SB
Magnesium	7,400	2,100	9,900	4,600	3,000	7,000	5,500	6,000	8,000	100-5,000	SB
Manganese	420	700	480	330	320	460	140	340	360	50-5,000	SB
Sodium	980	810	2,000	710	830	560	360	55	82	6,000-8,000	SB
Nickel	23	72	27	12	14	27	12	17	20	0.5-25	13 or SB
Lead	790	1,400	170	120	1,000	200	11	43	27	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	46	24	40	21	17	40	30	30	39	1-300	150 or SB
Zinc	380	2,000	270	96	460	290	43	80	62	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

N|A = Not Available

TABLE 1-B-3 Target Analyte List (TAL) METALS Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'.	B-57 0'-3'	S-5 SB	Eastern USA SB	NYDEC TAGM
Silver	BQL	0.76	5.6	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	14,000	8,000	5,500	6,800	16,000	11,000	15,000	13,000	16,000	33,000	SB
Arsenic	BQL	9.5	17	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	190	250	260	66	150	160	230	220	120	15-600	300 or SB
Beryllium	BQL	0.92	BQL	0.42	0.82	0.78	0.59	0.60	0.87	0-1.75	0.16 (HEAST) or SB
Calcium	24,000	9,900	19,000	13,000	2,300	3,500	4,800	12,000	390	130-35,000***	SB
Cadmium	7.6	24	35	5.4	8.2	13	9.4	10	6.9	0.1-1	1 or SB****
Cobalt	11	10	15	5.7	11	11	14	11	6.5	2.5-60**	30 or SB
Chromium	61	34	43	13	53	38	65	56	33	1.5-40**	10 or SB
Copper	25	200	1,600	18	23	62	28	84	9.2	1-50	25 or SB
Iron	23,000	56,000	94,000	16,000	24,000	39,000	28,000	29,000	18,000	2,000-555,000	2000 or SB
Mercury	BQL	0.78	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	8,400	1,700	700	1,300	2,600	3,800	11,000	8,900	430	8,500-43,000	SB
Magnesium	15,000	3,800	1,000	6,400	8,200	6,600	13,000	15,000	3,800	100-5,000	SB
Manganese	340	550	900	290	540	560	420	400	280	50-5,000	SB
Sodium	170	230	990	130	44	59	97	260	0.00	6,000-8,000	SB
Nickel	26	49	56	10	22	23	24	24	11	0.5-25	13 or SB
Lead	31	450	780	45	39	150	23	72	14	****	SB****
Antimony	BQL	BQL	BQL	BQ	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	43	70	11	18	41	34	53	45	31	1-300	150 or SB
Zinc	70	1,700	1,200	59	80	180	63	160	36	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10.0 ppm and Chromium to 50 ppm.**

N|A = Not Available

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-42B/C (2-6 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-17	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKKX		VBLKKW		VBLKKW		VBLKKW		VBLKKX		VBLKKW	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			11	U	11	U	11	U	11	U	10	U	11	U
Bromomethane			11	U	11	U	11	U	11	U	10	U	11	U
Vinyl Chloride	200	2	11	U	11	U	11	U	11	U	10	U	11	U
Chloroethane	1,900	50	11	UJ	11	U	11	U	11	U	10	UJ	11	U
Methylene Chloride	100	5	11	U	11	U	11	U	11	U	10	U	11	U
Acetone	200	50	110	BJ	26	UJ	83	BJ	56	UJ	13	UJ	11	UJ
Carbon Disulfide	2,700	50	1	J	.5	J	.5	J	11	U	10	U	11	U
1,1-Dichloroethene	400	5	11	U	11	U	11	U	11	U	10	U	11	U
1,1-Dichloroethane	200	5	11	U	11	U	11	U	11	U	10	U	11	U
1,2-Dichloroethene (total)	300	5	11	U	11	U	11	U	11	U	10	U	11	U
Chloroform	300	7	11	U	11	U	11	U	11	U	10	U	11	U
1,2-Dichloroethane	100	5	11	U	11	U	11	U	11	U	10	U	11	U
2-Butanone	300	50	17	UJ	11	UJ	17	U	11	U	10	UJ	11	U
1,1,1-Trichloroethane	800	5	11	U	11	U	11	U	11	U	10	U	11	U
Carbon Tetrachloride	600	5	11	UJ	11	UJ	11	UJ	11	UJ	10	UJ	11	UJ
Bromodichloromethane			11	U	11	U	11	U	11	U	10	U	11	U
1,2-Dichloropropane			11	U	11	U	11	U	11	U	10	U	11	U
cis-1,3-Dichloropropene			11	U	11	U	11	U	11	U	10	U	11	U
Trichloroethene	700	5	2	J	11	UJ	11	U	11	U	1	J	11	U
Dibromochloromethane			11	U	11	U	11	U	11	U	10	U	11	U
1,1,2-Trichloroethane			11	U	11	U	11	U	11	U	10	U	11	U
Benzene	60	1	.6	J	11	UJ	11	U	11	U	.3	J	11	U
trans-1,3-Dichloropropene			11	U	11	U	11	U	11	U	10	U	11	U
Bromoform			11	U	11	U	11	U	11	U	10	U	11	U
4-Methyl-2-Pentanone	1,000	50	11	UJ	11	U	11	U	11	U	10	UJ	11	U
2-Hexanone			11	UJ	11	U	11	U	11	U	10	UJ	11	U
Tetrachloroethene	1,400	5	11	U	11	U	11	U	11	U	10	U	11	U
1,1,2,2-Tetrachloroethane	600	5	11	U	11	U	11	U	11	U	10	U	11	U
Toluene	1,500	5	.4	J	11	UJ	11	U	11	U	10	U	11	U
Chlorobenzene	1,700	5	11	U	11	U	11	U	11	U	10	U	11	U
Ethylbenzene	5,500	5	11	U	11	U	11	U	11	U	10	U	11	U
Styrene			11	U	11	U	11	U	11	U	10	U	11	U
Xylene (total)	1,200	5	11	U	11	U	11	U	11	U	10	U	11	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)		GP-46A (0-2.5 BLS)		GP-47A (0-0.5 BLS)		FIELD BLANK-1	
Lab Sample ID	TAGM 4046		991556A-18		991556A-19		991556A-20		991556A-21		991556A-22		991556A-24	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKKW		VBLKKX		VBLKKW		VBLKKW		VBLKKW		VBLKMH	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L	
Compounds														
Chloromethane			11	U	11	U	11	U	11	U	11	U	10	U
Bromomethane			11	U	11	U	11	U	11	U	11	U	10	U
Vinyl Chloride	200	2	11	U	11	U	11	U	11	U	11	U	10	U
Chloroethane	1,900	50	11	U	11	UJ	11	U	11	U	11	U	10	U
Methylene Chloride	100	5	11	U	11	U	11	U	11	U	11	U	.5	J
Acetone	200	50	30	UJ	37	BJ	25	UJ	17	UJ	20	UJ	2	JB
Carbon Disulfide	2,700	50	.3	J	1	J	11	U	11	U	11	U	10	U
1,1-Dichloroethene	400	5	11	U	11	U	11	U	11	U	11	U	10	U
1,1-Dichloroethane	200	5	11	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethene (total)	300	5	11	U	11	U	11	U	11	U	11	U	10	U
Chloroform	300	7	11	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethane	100	5	11	U	11	U	11	U	11	U	11	U	10	U
2-Butanone	300	50	11	U	11	UJ	11	U	11	U	11	U	2	JB
1,1,1-Trichloroethane	800	5	11	U	11	U	11	U	11	U	11	U	10	U
Carbon Tetrachloride	600	5	11	UJ	11	UJ	11	UJ	11	UJ	11	UJ	10	UJ
Bromodichloromethane			11	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloropropane			11	U	11	U	11	U	11	U	11	U	10	U
cis-1,3-Dichloropropene			11	U	11	U	11	U	11	U	11	U	10	U
Trichloroethene	700	5	11	U	3	J	11	U	11	U	11	U	10	U
Dibromochloromethane			11	U	11	U	11	U	11	U	11	U	10	U
1,1,2-Trichloroethane			11	U	11	U	11	U	11	U	11	U	10	U
Benzene	60	1	11	U	.9	J	11	U	11	U	11	U	10	U
trans-1,3-Dichloropropene			11	U	11	U	11	U	11	U	11	U	10	U
Bromoform			11	U	11	U	11	U	11	U	11	U	10	U
4-Methyl-2-Pentanone	1,000	50	11	U	11	UJ	11	U	11	U	11	U	10	U
2-Hexanone			11	U	11	UJ	11	U	11	U	11	U	10	U
Tetrachloroethene	1,400	5	11	U	11	U	11	U	11	U	11	U	.5	J
1,1,2,2-Tetrachloroethane	600	5	11	U	11	U	11	U	11	U	11	U	10	U
Toluene	1,500	5	11	U	.4	J	11	U	.4	J	.4	J	10	U
Chlorobenzene	1,700	5	11	U	11	U	11	U	11	U	11	U	10	U
Ethylbenzene	5,500	5	11	U	11	U	11	U	11	U	11	U	.2	J
Styrene			11	U	11	U	11	U	11	U	11	U	10	U
Xylene (total)	1,200	5	11	U	11	U	11	U	11	U	11	U	.5	JB

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			TRIP BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-25		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKMH		VBLKKX		VBLKKX		VBLKKX		VBLKKX		VBLKKZ	
Units	ug/Kg	ug/L	ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			10	U	11	U	11	U	11	U	11	U	10	U
Bromomethane			10	U	11	U	11	U	11	U	11	U	10	U
Vinyl Chloride	200	2	10	U	11	U	11	U	11	U	11	U	10	U
Chloroethane	1,900	50	10	U	11	UJ	11	UJ	11	UJ	11	UJ	10	U
Methylene Chloride	100	5	.5	J	11	U	11	UJ	11	U	11	U	10	U
Acetone	200	50	2	JB	130	BJ	54	BJ	38	BJ	26	UJ	36	UJ
Carbon Disulfide	2,700	50	10	U	2	J	11	U	11	U	11	U	10	U
1,1-Dichloroethene	400	5	10	U	11	U	11	U	11	U	11	U	10	U
1,1-Dichloroethane	200	5	10	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethene (total)	300	5	10	U	11	U	11	U	11	U	11	U	10	U
Chloroform	300	7	10	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethane	100	5	10	U	11	U	11	U	11	U	11	U	10	U
2-Butanone	300	50	10	U	24	BJ	11	UJ	11	UJ	11	UJ	5	J
1,1,1-Trichloroethane	800	5	10	U	11	U	11	U	11	U	11	U	10	U
Carbon Tetrachloride	600	5	10	UJ	11	UJ	11	UJ	11	UJ	11	UJ	10	UJ
Bromodichloromethane			10	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloropropane			10	U	11	U	11	U	11	U	11	U	10	U
cis-1,3-Dichloropropene			10	U	11	U	11	U	11	U	11	U	10	U
Trichloroethene	700	5	10	U	2	J	0.7	J	0.3	J	0.8	J	10	U
Dibromochloromethane			10	U	11	U	11	U	11	U	11	U	10	U
1,1,2-Trichloroethane			10	U	11	U	11	U	11	U	11	U	10	U
Benzene	60	1	10	U	1	J	11	U	11	U	11	U	10	U
trans-1,3-Dichloropropene			10	U	11	U	11	U	11	U	11	U	10	U
Bromoform			10	U	11	U	11	U	11	U	11	U	10	U
4-Methyl-2-Pentanone	1,000	50	10	U	11	U	11	UJ	11	UJ	11	UJ	10	UJ
2-Hexanone			10	U	11	U	11	UJ	11	UJ	11	UJ	10	UJ
Tetrachloroethene	1,400	5	.4	J	11	U	11	U	11	U	11	U	10	U
1,1,2,2-Tetrachloroethane	600	5	10	U	11	U	11	UJ	11	UJ	11	UJ	10	UJ
Toluene	1,500	5	10	U	.6	J	11	U	11	U	11	U	10	U
Chlorobenzene	1,700	5	10	U	11	U	11	U	.2	J	11	U	10	U
Ethylbenzene	5,500	5	10	U	11	U	11	U	11	U	11	U	10	U
Styrene			10	U	11	U	11	U	11	U	11	U	10	U
Xylene (total)	1,200	5	10	U	11	U	11	U	11	U	11	U	10	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-28C (4-5 BLS)		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2	
Lab Sample ID	TAGM 4046		991556B-09		991556B-10		991556B-11		991556B-13		991556B-15		991556B-16	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKKX		VBLKKX		VBLKKX		VBLKKZ		VBLKKZ		VBLKKZ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			11	U	10	U	11	U	11	U	12	U	11	U
Bromomethane			11	U	10	U	11	U	11	U	12	U	11	U
Vinyl Chloride	200	2	11	U	10	U	11	U	11	U	12	U	11	U
Chloroethane	1,900	50	11	UJ	10	UJ	11	UJ	11	U	12	U	11	U
Methylene Chloride	100	5	11	U	10	U	11	U	11	U	12	U	11	UJ
Acetone	200	50	200	BJ	34	BJ	32	BJ	16	UJ	12	UJ	11	UJ
Carbon Disulfide	2,700	50	0.6	J	0.8	J	0.6	J	11	U	12	U	11	U
1,1-Dichloroethene	400	5	11	U	10	U	11	U	11	U	12	U	11	U
1,1-Dichloroethane	200	5	11	U	10	U	11	U	11	U	12	U	11	U
1,2-Dichloroethene (total)	300	5	11	U	10	U	11	U	11	U	12	U	11	U
Chloroform	300	7	11	U	10	U	11	U	11	U	12	U	11	U
1,2-Dichloroethane	100	5	11	U	10	U	11	U	11	U	12	U	11	U
2-Butanone	300	50	16	BJ	10	UJ	11	UJ	3	J	12	UJ	3	J
1,1,1-Trichloroethane	800	5	11	U	10	U	11	U	11	U	12	U	11	U
Carbon Tetrachloride	600	5	11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
Bromodichloromethane			11	U	10	U	11	U	11	U	12	U	11	U
1,2-Dichloropropane			11	U	10	U	11	U	11	U	12	U	11	U
cis-1,3-Dichloropropene			11	U	10	U	11	U	11	U	12	U	11	U
Trichloroethene	700	5	11	U	0.8	J	0.4	J	11	U	12	U	11	UJ
Dibromochloromethane			11	U	10	U	11	U	11	U	12	U	11	U
1,1,2-Trichloroethane			11	U	10	U	11	U	11	U	12	U	11	U
Benzene	60	1	11	U	0.3	J	11	U	11	U	12	U	11	U
trans-1,3-Dichloropropene			11	U	10	U	11	U	11	U	12	U	11	U
Bromoform			11	U	10	U	11	U	11	U	12	U	11	U
4-Methyl-2-Pentanone	1,000	50	11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
2-Hexanone			11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
Tetrachloroethene	1,400	5	11	U	10	U	11	U	11	U	12	U	11	U
1,1,2,2-Tetrachloroethane	600	5	11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
Toluene	1,500	5	11	U	10	U	11	U	11	U	12	U	11	U
Chlorobenzene	1,700	5	11	U	10	U	11	U	11	U	12	U	11	U
Ethylbenzene	5,500	5	11	U	10	U	11	U	11	U	12	U	11	U
Styrene			11	U	10	U	11	U	11	U	12	U	11	U
Xylene (total)	1,200	5	11	U	10	U	11	U	11	U	12	U	11	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			FIELD BLANK-2		TRIP BLANK-2		GP-31C (4-6 BLS)		GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)	
Lab Sample ID	TAGM 4046		991556B-17		991556B-18		991556C-03		991556C-05		991556C-06		991556C-07	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKM5		VBLKM5		VBLKK1		VBLKKZ		VBLKK1		VBLKK1	
Units	ug/Kg	ug/L	ug/L		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			10	U	10	U	12	U	11	U	11	U	12	U
Bromomethane			10	U	10	U	12	U	11	U	11	U	12	U
Vinyl Chloride	200	2	10	U	10	U	12	U	11	U	11	U	12	U
Chloroethane	1,900	50	10	U	10	U	12	UJ	11	UJ	11	UJ	12	UJ
Methylene Chloride	100	5	0.9	JB	0.8	JB	12	U	11	U	11	UJ	12	U
Acetone	200	50	3	JB	2	JB	75	UJ	25	UJ	11	UJ	150	BJ
Carbon Disulfide	2,700	50	10	U	10	U	0.8	J	11	UJ	11	UJ	2	J
1,1-Dichloroethene	400	5	10	U	10	U	12	U	11	U	11	U	12	U
1,1-Dichloroethane	200	5	10	U	10	U	12	U	11	U	11	U	12	U
1,2-Dichloroethene (total)	300	5	10	U	10	U	12	U	11	U	11	U	12	U
Chloroform	300	7	10	U	10	U	12	U	11	U	11	U	12	U
1,2-Dichloroethane	100	5	10	U	10	U	2	J	11	U	11	U	12	U
2-Butanone	300	50	10	U	10	U	15	J	2	J	11	UJ	22	J
1,1,1-Trichloroethane	800	5	10	UJ	10	UJ	12	U	11	U	11	U	12	U
Carbon Tetrachloride	600	5	10	UJ	10	UJ	12	UJ	11	UJ	11	UJ	12	UJ
Bromodichloromethane			10	U	10	U	12	U	11	U	11	U	12	U
1,2-Dichloropropane			10	U	10	U	12	U	11	U	11	U	12	U
cis-1,3-Dichloropropene			10	U	10	U	12	U	11	U	11	U	12	U
Trichloroethene	700	5	10	U	10	U	12	U	11	U	0.9	J	0.6	J
Dibromochloromethane			10	U	10	U	12	U	11	U	11	U	12	U
1,1,2-Trichloroethane			10	U	10	U	12	U	11	U	11	U	12	U
Benzene	60	1	10	U	10	U	0.5	J	11	U	0.4	J	2	J
trans-1,3-Dichloropropene			10	U	10	U	12	U	11	U	11	U	12	U
Bromoform			10	U	10	U	12	U	11	U	11	U	12	U
4-Methyl-2-Pentanone	1,000	50	10	UJ	10	UJ	12	UJ	11	U	11	UJ	12	UJ
2-Hexanone			10	UJ	10	UJ	12	UJ	11	U	11	UJ	12	UJ
Tetrachloroethene	1,400	5	10	U	0.3	J	12	U	11	U	11	U	12	U
1,1,2,2-Tetrachloroethane	600	5	10	UJ	10	UJ	12	UJ	11	UJ	11	UJ	12	UJ
Toluene	1,500	5	10	U	0.2	J	12	U	11	U	11	U	1	J
Chlorobenzene	1,700	5	10	U	10	U	12	U	11	U	11	U	12	U
Ethylbenzene	5,500	5	10	U	10	U	12	U	11	U	11	U	12	U
Styrene			10	U	10	U	12	U	11	U	11	U	12	U
Xylene (total)	1,200	5	10	U	10	U	12	U	11	U	11	U	12	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT		NW CATCH BASIN	
Lab Sample ID	TAGM 4046		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17		991556C-18	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKK1		VBLKK1		VBLKK1		VBLKKZ		VBLKK1		VBLKKZ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			11	U	11	U	38	U	15	U	25	U	11	U
Bromomethane			11	U	11	U	38	U	15	U	25	U	11	U
Vinyl Chloride	200	2	11	U	11	U	38	U	15	U	25	U	11	U
Chloroethane	1,900	50	11	UJ	11	UJ	38	UJ	15	UJ	25	UJ	11	UJ
Methylene Chloride	100	5	11	U	11	U	38	U	15	U	25	U	11	U
Acetone	200	50	28	UJ	16	UJ	38	UJ	67	BJ	62	UJ	11	UJ
Carbon Disulfide	2,700	50	11	UJ	11	U	1	J	15	U	1	J	11	UJ
1,1-Dichloroethene	400	5	11	U	11	U	38	U	15	U	25	U	11	U
1,1-Dichloroethane	200	5	11	U	11	U	38	U	15	U	25	U	11	U
1,2-Dichloroethene (total)	300	5	11	U	11	U	38	U	15	U	25	U	11	U
Chloroform	300	7	11	U	11	U	38	U	15	U	25	U	11	U
1,2-Dichloroethane	100	5	11	U	11	U	38	U	15	U	25	U	11	U
2-Butanone	300	50	5	J	6	J	50	J	8	J	16	J	11	UJ
1,1,1-Trichloroethane	800	5	11	U	11	U	38	U	15	U	25	U	11	U
Carbon Tetrachloride	600	5	11	UJ	11	UJ	38	UJ	15	UJ	25	UJ	11	UJ
Bromodichloromethane			11	U	11	U	38	U	15	U	25	U	11	U
1,2-Dichloropropane			11	U	11	U	38	U	15	U	25	U	11	U
cis-1,3-Dichloropropene			11	U	11	U	38	U	15	U	25	U	11	U
Trichloroethene	700	5	0.6	J	11	U	38	U	15	U	25	U	11	U
Dibromochloromethane			11	U	11	U	38	U	15	U	25	U	11	U
1,1,2-Trichloroethane			11	U	11	U	38	U	15	U	25	U	11	U
Benzene	60	1	11	U	11	U	1	J	15	U	25	U	11	U
trans-1,3-Dichloropropene			11	U	11	U	38	U	15	U	25	U	11	U
Bromoform			11	U	11	U	38	U	15	U	25	U	11	U
4-Methyl-2-Pentanone	1,000	50	11	UJ	11	UJ	38	UJ	15	U	25	UJ	11	U
2-Hexanone			11	UJ	11	UJ	38	UJ	15	U	25	UJ	11	U
Tetrachloroethene	1,400	5	11	U	11	U	38	U	15	U	25	U	11	U
1,1,2,2-Tetrachloroethane	600	5	11	UJ	11	UJ	38	UJ	15	UJ	25	UJ	11	UJ
Toluene	1,500	5	11	U	11	U	2	J	15	U	25	U	11	U
Chlorobenzene	1,700	5	11	U	11	U	1	J	15	U	25	U	11	U
Ethylbenzene	5,500	5	11	U	11	U	38	U	15	U	25	U	11	U
Styrene			11	U	11	U	38	U	15	U	25	U	11	U
Xylene (total)	1,200	5	11	U	11	U	38	U	15	U	25	U	11	U

U=not detected, J=estimated value, B=detected in associated method blank, D=result from secondary analysis (dilution), E=value exceeds calibration range

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		2.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
Phenol	30	1	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
bis(2-Chloroethyl)ether			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Chlorophenol	800	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,3-Dichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,4-Dichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,2-Dichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Methylphenol	100	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,2'-oxybis(1-Chloropropane)			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Methylphenol	900	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
N-nitroso-di-n-propylamine			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Hexachloroethane			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Nitrobenzene	200	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Isophorone	4,400	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Nitrophenol	100	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,4-Dimethylphenol			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
bis(2-Chloroethoxy)methane			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,4-Dichlorophenol	400	1	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,2,4-Trichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Naphthalene	13,000	10	360	U	22	J	16	J	12	J	130	J	29	J	17	J	17	J
4-Chloroaniline	220	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Hexachlorobutadiene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Chloro-3-methylphenol	240	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Methylnaphthalene	36,400	50	360	U	12	J	350	U	360	U	81	J	350	U	360	U	350	U
Hexachlorocyclopentadiene			360	UJ	350	UJ	350	UJ	360	UJ	690	U	350	UJ	360	UJ	350	UJ
2,4,6-Trichlorophenol			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,4,5-Trichlorophenol	100	1	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
2-Chloronaphthalene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Nitroaniline	430	5	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Dimethylphthalate	2,000	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Acenaphthylene	41,000	20	360	U	9	J	47	J	14	J	11	J	350	U	11	J	350	U
2,6-Dinitrotoluene	1,000	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
3-Nitroaniline	500	5	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Acenaphthene	50,000	20	19	J	350	UJ	24	J	360	UJ	750	J	350	UJ	360	UJ	350	UJ

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		2.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	910	UJ	880	UJ	880	UJ	910	UJ	1700	U	870	UJ	910	UJ	870	UJ
4-Nitrophenol	100	5	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Dibenzofuran	6,200	5	360	U	350	UJ	10	J	360	U	220	J	350	U	360	U	350	U
2,4-Dinitrotoluene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Diethylphthalate	7,100	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Chlorophenyl-phenylether			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Fluorene	50,000	50	360	U	11	J	40	J	10	J	540	J	350	U	360	U	9	J
4-Nitroaniline			910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
4,6-Dinitro-2-methylphenol			910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
N-Nitrosodiphenylamine (1)			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Bromophenyl-phenylether			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Hexachlorobenzene	410	0.35	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Pentachlorophenol	1,000	1	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Phenanthrene	50,000	50	95	J	65	J	420		81	J	3000		16	J	48	J	60	J
Anthracene	50,000	50	12	J	17	J	130	J	21	J	870		4	J	17	J	15	J
Carbazole			360	U	350	U	18	J	360	U	640	J	350	U	360	U	7	J
Di-n-butylphthalate	8,100	50	360	U	350	U	460	U	360	U	690	U	350	U	360	U	350	U
Fluoranthene	50,000	50	38	J	83	J	690		130	J	3400		19	J	110	J	57	J
Pyrene	50,000	50	84	J	98	J	760		140	J	4000		30	J	130	J	66	J
Butylbenzylphthalate	50,000	50	360	U	350	U	350	U	55	J	690	U	350	U	360	U	350	U
3,3'-Dichlorobenzidine			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Benzo(a)anthracene	224	0.002	360	U	59	J	530		86	J	2500		12	J	86	J	37	J
Chrysene	400	0.002	360	U	66	J	540		95	J	2400		39	J	96	J	48	J
bis(2-Ethylhexyl)phthalate	50,000	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Di-n-octylphthalate	50,000	50	360	U	350	UJ	350	U	360	U	690	U	350	U	360	U	350	U
Benzo(b)fluoranthene	1,100	0.002	360	U	54	J	370		76	J	1700		350	U	96	J	50	J
Benzo(k)fluoranthene	1,100	0.002	360	U	60	J	420		110	J	2300		350	U	91	J	57	J
Benzo(a)pyrene	61	0.002	360	U	56	J	430		81	J	2000		350	U	95	J	60	J
Indeno(1,2,3-cd)pyrene	3,200	0.002	360	U	46	J	340	J	68	J	1700		350	U	86	J	50	J
Dibenz(a,h)anthracene	14	50	360	U	19	J	120	J	27	J	620	J	350	U	31	J	16	J
Benzo(g,h,i)perylene	50,000	5	12	J	48	J	290	J	76	J	1800		12	J	90	J	66	J

U - not detected. J - estimated value. B - detected in associated method blank. D - result from secondary analysis (dilution). E - value exceeds calibration range.

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-46A (0-2.5 BLS)		GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-21		991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKYQ		SBLKUQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
Phenol	30	1	350	U	380	U	2	J	360	U	360	U	350	U	350	U	350	U
bis(2-Chloroethyl)ether			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Chlorophenol	800	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,3-Dichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,4-Dichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,2-Dichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Methylphenol	100	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,2'-oxybis(1-Chloropropane)			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
4-Methylphenol	900	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
N-nitroso-di-n-propylamine			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Hexachloroethane			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Nitrobenzene	200	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Isophorone	4,400	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Nitrophenol	100	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,4-Dimethylphenol			350	U	380	U	10	UJ	360	U	360	UJ	350	UJ	350	UJ	350	UJ
bis(2-Chloroethoxy)methane			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,4-Dichlorophenol	400	1	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,2,4-Trichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Naphthalene	13,000	10	17	J	23	J	10	U	21	J	360	UJ	350	U	350	U	350	U
4-Chloroaniline	220	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Hexachlorobutadiene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
4-Chloro-3-methylphenol	240	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Methylnaphthalene	36,400	50	18	J	60	J	10	U	17	J	360	U	350	U	350	U	350	U
Hexachlorocyclopentadiene			350	UJ	380	U	10	UJ	360	U	360	U	350	U	350	U	350	U
2,4,6-Trichlorophenol			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,4,5-Trichlorophenol	100	1	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
2-Chloronaphthalene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Nitroaniline	430	5	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Dimethylphthalate	2,000	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Acenaphthylene	41,000	20	350	U	16	J	10	U	9	J	10	J	350	U	350	U	350	U
2,6-Dinitrotoluene	1,000	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
3-Nitroaniline	500	5	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Acenaphthene	50,000	20	350	UJ	380	UJ	10	U	360	UJ	360	UJ	350	U	350	U	350	U

U=not detected J=estimated value B=detected in associated method blank D=result from secondary analysis (dilution) E=value exceeds calibration range

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-46A (0-2.5 BLS)		GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-21		991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKYQ		SBLKUQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	870	U	950	U	25	UJ	900	U	900	U	880	U	880	U	880	U
4-Nitrophenol	100	5	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Dibenzofuran	6,200	5	350	U	380	U	10	U	8	J	360	UJ	350	U	350	U	350	U
2,4-Dinitrotoluene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Diethylphthalate	7,100	50	350	U	380	U	.2	J	9	J	360	U	350	U	350	U	350	U
4-Chlorophenyl-phenylether			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Fluorene	50,000	50	350	U	380	U	10	U	13	J	360	UJ	350	U	350	U	350	U
4-Nitroaniline			870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
4,6-Dinitro-2-methylphenol			870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
N-Nitrosodiphenylamine (1)			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
4-Bromophenyl-phenylether			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Hexachlorobenzene	410	0.35	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Pentachlorophenol	1,000	1	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Phenanthrene	50,000	50	61	J	100	J	10	U	78	J	36	J	40	J	38	J	21	J
Anthracene	50,000	50	12	J	29	J	10	U	18	J	10	J	10	J	10	J	350	U
Carbazole			350	U	380	U	10	U	360	U	360	UJ	350	U	350	U	350	U
Di-n-butylphthalate	8,100	50	350	U	380	U	.8	JB	360	U	360	U	350	U	350	U	350	U
Fluoranthene	50,000	50	48	J	100	J	10	U	74	J	83	J	64	J	60	J	12	J
Pyrene	50,000	50	60	J	100	J	10	U	96	J	100	J	74	J	74	J	27	J
Butylbenzylphthalate	50,000	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
3,3'-Dichlorobenzidine			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Benzo(a)anthracene	224	0.002	34	J	83	J	10	U	50	J	52	J	38	J	40	J	350	U
Chrysene	400	0.002	53	J	200	J	10	U	59	J	59	J	47	J	46	J	38	J
bis(2-Ethylhexyl)phthalate	50,000	50	350	U	380	U	.6	JB	360	U	360	U	350	U	350	U	350	U
Di-n-octylphthalate	50,000	50	350	U	380	U	10	U	360	UJ	41	JB	350	U	350	U	350	U
Benzo(b)fluoranthene	1,100	0.002	34	J	140	J	10	U	46	J	70	J	36	J	44	J	350	U
Benzo(k)fluoranthene	1,100	0.002	33	J	110	J	10	U	52	J	63	J	41	J	45	J	350	U
Benzo(a)pyrene	61	0.002	32	J	100	J	10	U	46	J	52	J	38	J	42	J	350	U
Indeno(1,2,3-cd)pyrene	3,200	0.002	34	J	28	J	10	U	54	J	50	J	35	J	50	J	350	U
Dibenz(a,h)anthracene	14	50	15	J	380	UJ	10	U	22	J	360	UJ	350	U	350	U	350	U
Benzo(g,h,i)perylene	50,000	5	37	J	33	J	10	U	62	J	360	U	350	U	350	U	350	U

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-28C (4-5 BLS)		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)	
Lab Sample ID	TAGM 4046		991556B-09		991556B-10		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		5.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKYQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/Kg	
Compounds																		
Phenol	30	1	360	U	340	U	360	UJ	370	U	390	U	370	U	1	J	380	U
bis(2-Chloroethyl)ether			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Chlorophenol	800	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,3-Dichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,4-Dichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,2-Dichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Methylphenol	100	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,2'-oxybis(1-Chloropropane)			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
4-Methylphenol	900	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	77	J
N-nitroso-di-n-propylamine			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Hexachloroethane			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Nitrobenzene	200	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Isophorone	4,400	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Nitrophenol	100	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,4-Dimethylphenol			360	UJ	340	UJ	360	UJ	370	UJ	390	UJ	370	UJ	10	UJ	380	UJ
bis(2-Chloroethoxy)methane			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,4-Dichlorophenol	400	1	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,2,4-Trichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Naphthalene	13,000	10	360	U	340	U	360	UJ	370	U	390	U	19	J	10	U	27	J
4-Chloroaniline	220	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Hexachlorobutadiene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
4-Chloro-3-methylphenol	240	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Methylnaphthalene	36,400	50	360	U	15	J	360	UJ	370	U	390	U	370	U	10	U	19	J
Hexachlorocyclopentadiene			360	U	340	U	360	UJ	370	UJ	390	UJ	370	UJ	10	U	380	UJ
2,4,6-Trichlorophenol			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,4,5-Trichlorophenol	100	1	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
2-Chloronaphthalene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
2-Nitroaniline	430	5	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
Dimethylphthalate	2,000	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Acenaphthylene	41,000	20	14	J	340	U	360	UJ	370	U	390	U	18	J	10	U	20	J
2,6-Dinitrotoluene	1,000	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
3-Nitroaniline	500	5	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	UJ
Acenaphthene	50,000	20	360	U	340	U	360	UJ	370	U	390	U	20	J	10	U	29	J

U=not detected, J=estimated value, B=detected in associated method blank, D=result from secondary analysis (dilution), E=value exceeds calibration range

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-28C (4-5 BLS)		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)	
Lab Sample ID	TAGM 4046		991556B-09		991556B-10		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		5.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKYQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	910	U	860	U	900	UJ	920	UJ	990	UJ	920	UJ	25	U	960	UJ
4-Nitrophenol	100	5	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
Dibenzofuran	6,200	5	360	U	340	U	360	UJ	370	U	390	U	19	J	10	U	36	J
2,4-Dinitrotoluene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Diethylphthalate	7,100	50	360	U	340	U	360	UJ	370	U	390	U	370	UJ	0.4	J	380	U
4-Chlorophenyl-phenylether			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Fluorene	50,000	50	360	U	340	U	13	J	370	U	390	U	38	J	10	U	25	J
4-Nitroaniline			910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	UJ
4,6-Dinitro-2-methylphenol			910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
N-Nitrosodiphenylamine (1)			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
4-Bromophenyl-phenylether			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Hexachlorobenzene	410	0.35	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Pentachlorophenol	1,000	1	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	UJ
Phenanthrene	50,000	50	61	J	38	J	90	J	370	U	390	U	310	J	10	U	140	J
Anthracene	50,000	50	17	J	340	U	25	J	370	U	390	U	82	J	10	U	46	J
Carbazole			360	U	340	U	360	UJ	370	U	390	U	21	J	10	U	380	U
Di-n-butylphthalate	8,100	50	360	U	340	U	360	UJ	370	U	390	U	370	UJ	0.8	JB	380	U
Fluoranthene	50,000	50	140	J	15	J	180	J	370	U	16	J	460	J	10	U	140	J
Pyrene	50,000	50	160	J	23	J	170	J	370	U	15	J	370	J	10	U	210	J
Butylbenzylphthalate	50,000	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
3,3'-Dichlorobenzidine			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Benzo(a)anthracene	224	0.002	84	J	340	U	92	J	370	U	9	J	240	J	10	U	91	J
Chrysene	400	0.002	91	J	28	J	110	J	370	U	11	J	250	J	10	U	150	J
bis(2-Ethylhexyl)phthalate	50,000	50	670	U	340	U	360	UJ	370	U	390	U	370	UJ	0.6	JB	380	U
Di-n-octylphthalate	50,000	50	360	U	340	U	360	UJ	370	U	390	U	370	UJ	10	U	380	U
Benzo(b)fluoranthene	1,100	0.002	94	J	340	U	92	J	370	U	390	U	200	J	10	U	100	J
Benzo(k)fluoranthene	1,100	0.002	81	J	340	U	100	J	370	U	390	U	240	J	10	U	80	J
Benzo(a)pyrene	61	0.002	69	J	340	U	110	J	370	U	390	U	230	J	10	U	120	J
Indeno(1,2,3-cd)pyrene	3,200	0.002	90	J	340	U	69	J	370	UJ	390	UJ	170	J	10	U	96	J
Dibenz(a,h)anthracene	14	50	360	U	340	U	24	J	370	UJ	390	UJ	61	J	10	U	51	J
Benzo(g,h,i)perylene	50,000	5	360	U	340	U	86	J	370	UJ	390	UJ	370	UJ	10	U	150	J

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)		GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT	
Lab Sample ID	TAGM 4046		991556C-05		991556C-06		991556C-07		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		4.00		1.00		1.00		25.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
Phenol	30	1	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
bis(2-Chloroethyl)ether			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Chlorophenol	800	50	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,3-Dichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,4-Dichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,2-Dichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Methylphenol	100	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,2'-oxybis(1-Chloropropane)			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
4-Methylphenol	900	50	350	U	1500	U	54	J	350	U	8900	U	1400	U	490	U	800	U
N-nitroso-di-n-propylamine			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Hexachloroethane			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Nitrobenzene	200	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Isophorone	4,400	50	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Nitrophenol	100	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4-Dimethylphenol			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
bis(2-Chloroethoxy)methane			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4-Dichlorophenol	400	1	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,2,4-Trichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Naphthalene	13,000	10	350	UJ	120	J	95	J	9	J	1000	J	1400	UJ	490	UJ	800	UJ
4-Chloroaniline	220	5	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Hexachlorobutadiene			350	U	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
4-Chloro-3-methylphenol	240	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Methylnaphthalene	36,400	50	350	U	80	J	49	J	350	U	1300	J	1400	U	490	U	800	U
Hexachlorocyclopentadiene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4,6-Trichlorophenol			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4,5-Trichlorophenol	100	1	890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
2-Chloronaphthalene			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
2-Nitroaniline	430	5	890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
Dimethylphthalate	2,000	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Acenaphthylene	41,000	20	350	U	270	J	64	J	10	J	330	J	1400	U	490	U	800	U
2,6-Dinitrotoluene	1,000	5	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
3-Nitroaniline	500	5	890	U	3700	UJ	900	U	890	UJ	22000	U	3400	UJ	1200	UJ	2000	UJ
Acenaphthene	50,000	20	350	UJ	160	J	67	J	350	UJ	8700	J	1400	UJ	490	UJ	800	UJ

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)		GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT	
Lab Sample ID	TAGM 4046		991556C-05		991556C-06		991556C-07		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		4.00		1.00		1.00		25.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	890	U	3700	UJ	900	U	890	UJ	22000	U	3400	UJ	1200	UJ	2000	UJ
4-Nitrophenol	100	5	890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
Dibenzofuran	6,200	5	350	U	200	J	59	J	350	U	6500	J	1400	U	490	U	800	U
2,4-Dinitrotoluene			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Diethylphthalate	7,100	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
4-Chlorophenyl-phenylether			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Fluorene	50,000	50	350	U	560	J	100	J	350	U	15000		1400	U	490	U	800	U
4-Nitroaniline			890	U	3700	UJ	900	U	890	UJ	22000	U	3400	UJ	1200	U	2000	UJ
4,6-Dinitro-2-methylphenol			890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
N-Nitrosodiphenylamine (1)			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
4-Bromophenyl-phenylether			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Hexachlorobenzene	410	0.35	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Pentachlorophenol	1,000	1	890	UJ	3700	UJ	900	UJ	890	UJ	22000	UJ	3400	UJ	1200	UJ	2000	UJ
Phenanthrene	50,000	50	41	J	4400		720		82	J	64000		91	J	210	J	250	J
Anthracene	50,000	50	14	J	1200	J	250	J	17	J	21000		1400	U	27	J	37	J
Carbazole			350	U	250	J	45	J	350	U	7900	J	1400	U	28	J	35	J
Di-n-butylphthalate	8,100	50	350	U	1500	U	350	U	350	U	8900	U	1400	U	490	U	800	U
Fluoranthene	50,000	50	96	J	5900		1000		150	J	56000		150	J	300	J	540	J
Pyrene	50,000	50	100	J	4800		1300	J	150	J	55000		140	J	310	J	620	J
Butylbenzylphthalate	50,000	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
3,3'-Dichlorobenzidine			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Benzo(a)anthracene	224	0.002	54	J	3100		840		100	J	34000		69	J	130	J	270	J
Chrysene	400	0.002	63	J	3000		1000		130	J	39000		110	J	260	J	440	J
bis(2-Ethylhexyl)phthalate	50,000	50	350	U	1500	U	1200	B	310	JB	8900	U	1400	U	1500	B	1300	B
Di-n-octylphthalate	50,000	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	130	JB	800	U
Benzo(b)fluoranthene	1,100	0.002	54	J	2500		910		140	J	25000		88	J	200	J	400	J
Benzo(k)fluoranthene	1,100	0.002	52	J	2500		840		110	J	26000		73	J	160	J	320	J
Benzo(a)pyrene	61	0.002	50	J	2600		1000		100	J	28000		1400	U	150	J	320	J
Indeno(1,2,3-cd)pyrene	3,200	0.002	35	J	1700		600		81	J	17000		1400	U	140	J	240	J
Dibenz(a,h)anthracene	14	50	350	U	520	J	220	J	29	J	6800	J	1400	U	490	U	80	J
Benzo(g,h,i)perylene	50,000	5	37	J	1500		600		80	J	18000		1400	U	240	J	290	J

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			NW CATCH BASIN		DUPLICATE-3		FIELD BLANK-3		SUPPLY WELL		UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046		991556C-18		991556C-19		991556C-20		991557A-01		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/L		ug/L		ug/L		ug/L	
Compounds																
Phenol	30	1	390	U	380	U	2	J	.4	J	10	U	10	U	.4	J
bis(2-Chloroethyl)ether			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Chlorophenol	800	50	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Methylphenol	100	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,2'-oxybis(1-Chloropropane)			390	U	380	U	10	U	10	U	10	U	10	U	10	U
4-Methylphenol	900	50	390	U	73	J	10	U	10	U	10	U	10	U	10	U
N-nitroso-di-n-propylamine			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Hexachloroethane			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Nitrobenzene	200	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Isophorone	4,400	50	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Nitrophenol	100	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4-Dimethylphenol			390	UJ	380	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
bis(2-Chloroethoxy)methane			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4-Dichlorophenol	400	1	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Naphthalene	13,000	10	390	UJ	120	J	10	U	10	U	10	U	10	U	10	U
4-Chloroaniline	220	5	390	U	380	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobutadiene			390	UJ	380	UJ	10	U	10	UJ	10	UJ	10	UJ	10	UJ
4-Chloro-3-methylphenol	240	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Methylnaphthalene	36,400	50	390	U	62	J	10	U	10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4,6-Trichlorophenol			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	100	1	980	U	950	U	25	U	25	U	25	U	25	U	25	U
2-Chloronaphthalene			390	U	380	U	10	U	10	U	10	U	10	U	10	U
2-Nitroaniline	430	5	980	U	950	U	25	U	25	U	25	U	25	U	25	U
Dimethylphthalate	2,000	50	390	U	380	U	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	41,000	20	390	U	70	J	10	U	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	1,000	5	390	U	380	U	10	U	10	U	10	U	10	U	10	U
3-Nitroaniline	500	5	980	UJ	950	UJ	25	U	25	U	25	U	25	U	25	U
Acenaphthene	50,000	20	390	UJ	73	J	10	U	10	U	10	U	10	U	10	U

U=not detected J=estimated value B=detected in associated method blank D=result from secondary analysis (dilution) E=value exceeds calibration

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			NW CATCH BASIN		DUPLICATE-3		FIELD BLANK-3		SUPPLY WELL		UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046		991556C-18		991556C-19		991556C-20		991557A-01		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/L		ug/L		ug/L		ug/L	
Compounds																
2,4-Dinitrophenol	400	5	980	UJ	950	UJ	25	U	25	UJ	25	UJ	25	UJ	25	UJ
4-Nitrophenol	100	5	980	U	950	U	25	U	25	U	25	U	25	U	25	U
Dibenzofuran	6,200	5	390	U	76	J	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Diethylphthalate	7,100	50	390	U	380	U	0.4	J	.5	J	.3	J	.2	J	.5	J
4-Chlorophenyl-phenylether			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Fluorene	50,000	50	390	U	98	J	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline			980	UJ	950	UJ	25	U	25	U	25	U	25	U	25	U
4,6-Dinitro-2-methylphenol			980	U	950	U	25	U	25	UJ	25	UJ	25	UJ	25	UJ
N-Nitrosodiphenylamine (1)			390	U	380	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	410	0.35	390	U	380	U	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	1,000	1	980	UJ	950	UJ	25	U	25	U	25	U	25	U	25	U
Phenanthrene	50,000	50	82	J	500		10	U	10	U	10	U	10	U	10	U
Anthracene	50,000	50	23	J	180	J	10	U	10	U	10	U	10	U	10	U
Carbazole			390	U	42	J	10	U	10	U	10	U	10	U	10	U
Di-n-butylphthalate	8,100	50	390	U	380	U	0.9	JB	10	U	10	U	10	U	10	U
Fluoranthene	50,000	50	170	J	780		10	U	10	U	10	U	10	U	10	U
Pyrene	50,000	50	200	J	880		10	U	10	U	10	U	10	U	10	U
Butylbenzylphthalate	50,000	50	390	U	380	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Benzo(a)anthracene	224	0.002	120	J	550		10	U	10	U	10	U	10	U	10	U
Chrysene	400	0.002	150	J	630		10	U	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	50,000	50	390	U	1600	B	0.7	JB	10	U	10	U	10	U	10	U
Di-n-octylphthalate	50,000	50	390	U	380	U	10	U	.3	J	10	U	10	U	.2	J
Benzo(b)fluoranthene	1,100	0.002	130	J	760		10	U	10	U	10	U	10	U	10	U
Benzo(k)fluoranthene	1,100	0.002	120	J	540		10	U	10	U	10	U	10	U	10	U
Benzo(a)pyrene	61	0.002	130	J	670		10	U	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	3,200	0.002	94	J	530		10	U	10	U	10	U	10	U	10	U
Dibenz(a,h)anthracene	14	50	45	J	170	J	10	U	10	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	50,000	5	110	J	580		10	U	10	U	10	U	10	U	10	U

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)		GP-46A (0-2.5 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20		991556A-21	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK61		PBLK61		PBLK61		PBLK61		PBLK65		PBLK61		PBLK61		PBLK61		PBLK61	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																				
alpha-BHC	110	0.05	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
beta-BHC	200	0.05	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
delta-BHC	300	0.05	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	0.20	J	0.36	J
gamma-BHC (Lindane)	60	0.05	0.72	J	1.8	UJ	1.9	UJ	1.8	UJ	1.7	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.8	UJ
Heptachlor	100	0.01	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
Aldrin	41	0.01	1.6	J	1.8	U	1.9	U	6.0	J	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
Heptachlor Epoxide	20	0.01	1.8	U	1.8	U	1.9	U	1.8	J	1.7	U	0.30	J	1.9	U	1.8	U	1.8	U
Endosulfan I	900	0.1	0.48	J	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
Dieldrin	44	0.01	3.5	U	3.5	U	3.7	U	3.6	J	1.1	J	0.39	J	3.6	U	0.55	J	3.4	U
4,4'-DDE	2,100	0.01	3.7		8.8		24.		15.		3.4	U	2.4	J	11.		0.78	J	1.5	J
Endrin	100	0.01	1.4	J	1.9	J	0.75	J	1.4	J	3.4	U	3.4	U	1.3	J	3.4	U	3.4	U
Endosulfan II	900	0.1	3.5	U	3.5	U	3.7	U	3.6	U	3.4	U	3.4	U	3.6	U	3.4	U	3.4	U
4,4'-DDD	2,900	0.01	7.2	J	3.9	J	31.	J	15.	J	1.2	J	1.2	J	4.1	J	0.48	J	0.62	J
Endosulfan Sulfate	1,000	0.1	3.5	U	3.5	U	3.7	U	3.6	U	11.		3.4	U	3.6	U	3.4	U	3.4	U
4,4'-DDT	2,100	0.01	3.5	U	1.6	J	30.	J	5.4	J	5.6		3.4	U	3.6	U	0.48	J	0.84	J
Methoxychlor	***		18.	U	18.	U	19.		4.6	J	19.	J	18.	U	19.	U	18.	U	18.	U
Endrin Ketone	N/A		3.5	U	3.5	U	3.7	U	3.6	U	3.4	U	3.4	U	3.6	U	3.4	U	3.4	U
Endrin Aldehyde			3.5	U	3.5	U	3.7	U	3.6	U	3.4	U	3.4	U	3.6	U	3.4	U	3.4	U
alpha-Chlordane	540 *		2.8	J	5.5		12.	J	19.		3.7	J	1.7	J	6.2		1.3	J	1.6	J
gamma-Chlordane	540	0.1	1.3	J	2.9		10.	J	12.		0.95	J	1.5	J	4.3		0.92	J	1.0	J
Toxaphene			180	U	180	U	190	U	180	U	170	U	180	U	190	U	180	U	180	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	35.	U	35.	U	37.	U	36.	U	34.	U	34.	U	36.	U	34.	U	34.	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	71.	U	71.	U	75.	U	72.	U	69.	U	69.	U	74.	U	70.	U	70.	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	35.	U	35.	U	37.	U	36.	U	34.	U	34.	U	36.	J	7.7	J	20.	J
Aroclor-1242	1,000-surface 10,000-subsurface	100	30.	J	43.		26.	J	94.		34.	U	34.	U	36.	U	34.	U	34.	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	35.	U	35.	U	37.	U	36.	U	34.	U	34.	U	36.	U	34.	U	34.	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	38.		97.		85.	J	56.	J	15.	J	15.	J	44.	J	7.4	J	13.	J
Aroclor-1260	1,000-surface 10,000-subsurface	100	63.		62.	J	52.	J	71.	J	34.	U	34.	U	31.	J	6.2	J	12.	J

N/A - not available
* - Value listed for Chlordane
*** - As per TAGM #4046, Total Pesticides < 10 ppm
U - Not Detected
J - Value is estimated

Ta

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)		GP-28C (4-5 BLS)		GP-29A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05		991556B-09		991556B-10	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK61		PBLK64		PBLK61		PBLK65		PBLK65		PBLK65		PBLK65		PBLK65		PBLK65	
Units	ug/Kg	ug/L	ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																				
alpha-BHC	110	0.05	0.32	J	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
beta-BHC	200	0.05	1.8	U	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
delta-BHC	300	0.05	1.8	U	0.050	U	1.8	U	0.35	J	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
gamma-BHC (Lindane)	60	0.05	1.8	UJ	0.050	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ
Heptachlor	100	0.01	1.8	U	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Aldrin	41	0.01	2.2		0.050	U	1.8	U	1.8	U	0.66	J	1.8	U	0.64	J	1.8	U	1.8	U
Heptachlor Epoxide	20	0.01	0.63	J	0.050	U	1.8	U	0.98	J	1.8	U	1.8	U	0.48	J	0.47	J	1.8	U
Endosulfan I	900	0.1	1.8	U	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Dieldrin	44	0.01	3.5	U	0.10	U	3.5	U	3.5	U	9.9		1.7	J	3.5	U	3.6	U	3.4	U
4,4'-DDE	2,100	0.01	3.5	U	0.10	U	5.3		12	J	1.6	J	2.4	J	3.5	U	6.7	J	0.33	J
Endrin	100	0.01	3.5	U	0.10	U	2.8	J	0.93	J	3.5	U	0.79	J	3.5	U	3.6	U	3.4	U
Endosulfan II	900	0.1	1.1		0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	0.46	J	3.6	U	3.4	U
4,4'-DDD	2,900	0.01	1.0	J	0.10	U	4.0	J	4.2	J	2.6	J	3.6	J	0.31	J	9.4	J	3.4	U
Endosulfan Sulfate	1,000	0.1	3.5	U	0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	3.5	U	3.6	U	3.4	U
4,4'-DDT	2,100	0.01	3.5	U	0.10	U	3.5	U	18	J	0.45	J	2.8	J	0.39	J	2.4	J	3.4	U
Methoxychlor	***		18.	U	0.50	U	18.	U	2.7	J	18.	U	18.	U	18.	U	18.	U	18.	U
Endrin Ketone	N/A		3.5	U	0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	3.5	U	3.6	U	3.4	U
Endrin Aldehyde			1.4	J	0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	3.5	U	3.6	U	3.4	U
alpha-Chlordane	540 *		1.6	J	0.050	U	3.0	J	6.8	J	17.	J	5.5	J	0.79	J	6.6	J	0.53	J
gamma-Chlordane	540	0.1	1.1	J	0.050	U	2.2	J	2.3	J	16.		5.2		0.76	J	5.1		0.45	J
Toxaphene			180	U	5.0	U	180	U	180	U	180	U	180	U	180	U	180	U	180	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	35.	U	1.0	U	35.	U	35	U	35.	U	34.	U	35.	U	36.	U	34.	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	71.	U	2.0	U	71.	U	72	U	70.	U	70.	U	70.	U	72.	U	69.	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	38.	J	1.0	U	35.	U	35	U	35.	U	21.	J	35.	U	36.	U	34.	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	35.	U	1.0	U	22.	J	35	U	35.	U	34.	U	35.	U	36.	U	34.	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	35.	U	1.0	U	35.	U	35	U	35.	U	34.	U	35.	U	36.	U	34.	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	18.	J	1.0	U	31.	J	15	J	20.	J	20.	J	9.5	J	18.	J	34.	U
Aroclor-1260	1,000-surface 10,000-subsurface	100	35.	U	1.0	U	35.	J	35	U	21.	J	21.	J	35.	U	19.	JP	34.	U

N/A - not available
- Value listed for Chlordane
** - As per TAGM #4046, Total Pesticides < 10 ppm
J - Not Detected
- Value is estimated

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)		GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)	
Lab Sample ID	TAGM 4046		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03		991556C-05		991556C-06		991556C-07	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		10.00		1.00		1.00		10.00	
Method Blank	Objective	Criteria	PBLK65		PBLK65		PBLK65		PBLK65		PBLK64		PCBLK67		PBLK67		PBLK67		PCBLK67	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																				
alpha-BHC	110	0.05	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
beta-BHC	200	0.05	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
delta-BHC	300	0.05	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
gamma-BHC (Lindane)	60	0.05	1.8	UJ	1.9	UJ	2.0	UJ	1.9	UJ	0.050	U	20.	U	1.8	U	1.9	U	18.	UJ
Heptachlor	100	0.01	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
Aldrin	41	0.01	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	7.5		18.	U
Heptachlor Epoxide	20	0.01	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
Endosulfan I	900	0.1	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
Dieldrin	44	0.01	3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	4.2		9.7	J
4,4'-DDE	2,100	0.01	2.6	J	3.6	U	1.1	J	4.5	J	0.10	U	190	J	9.4	J	9.9	J	14.	J
Endrin	100	0.01	3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	4.6	J	35.	U
Endosulfan II	900	0.1	3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	3.6	U	35.	U
4,4'-DDD	2,900	0.01	0.60	J	3.6	U	0.77	J	1.6	J	0.10	U	46.	J	6.3	J	3.0	J	8.8	J
Endosulfan Sulfate	1,000	0.1	3.6	U	3.6	U	3.9	U	2.3	J	0.10	U	38.	U	3.5	U	1.7	J	35.	U
4,4'-DDT	2,100	0.01	2.2	J	3.6	U	0.032	J	2.3	J	0.10	U	38.	U	2.8	J	2.4	J	35.	U
Methoxychlor	***		2.6	J	19.	U	20.	U	7.0	J	0.50	U	200	U	18.	U	19.	U	180	U
Endrin Ketone	N/A		3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	3.6	U	35.	U
Endrin Aldehyde			3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	3.6	U	35.	U
alpha-Chlordane	540 *		1.5	J	0.22	J	0.35	J	2.6	J	0.050	U	6.2	J	1.9	J	8.9	J	23.	J
gamma-Chlordane	540	0.1	0.73	J	0.11	J	0.23	J	1.2	J	0.050	U	3.9	J	1.4	J	3.2	J	18.	J
Toxaphene			180	U	190	U	200	U	190	U	5.0	U	2000	U	180	U	190	U	1800	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	35.	U	36.	U	350	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	72.	U	74.	U	78.	U	73.	U	2.0	U	770	U	71.	U	74.	U	710	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	35.	U	92.	J	350	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	6.5	J	36.	U	88.	J
Aroclor-1248	1,000-surface 10,000-subsurface	100	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	35.	U	36.	U	350	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	9.7	J	36.	U	39.	U	18.	J	1.0	U	380	U	16.	J	48.	J	350	J
Aroclor-1260	1,000-surface 10,000-subsurface	100	7.6	J	36.	U	3.4	J	31.	J	1.0	U	380	U	42.		41.	J	80.	J

J/A - not available
- Value listed for Chlordane
** - As per TAGM #4046, Total Pesticides < 10 ppm
J - Not Detected
- Value is estimated

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT		NW CATCH BASIN		DUPLICATE-3		FIELD BLANK-3		SUPPLY WELL	
Lab Sample ID	TAGM 4046		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17		991556C-18		991556C-19		991556C-20		991557A-01	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		10.00		1.00		1.00		1.00		1.00		2.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK67		PBLK67		PBLK67		PCBLK67		PBLK67		PBLK67		PBLK67		PBLK64		PBLK64	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/L	
Compounds																				
alpha-BHC	110	0.05	1.8	U	18.	U	7.0	U	1.1	J	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
beta-BHC	200	0.05	1.8	U	18.	U	7.0	U	0.34	J	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
delta-BHC	300	0.05	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.5	J	3.9	U	0.050	U	0.050	U
gamma-BHC (Lindane)	60	0.05	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	UJ
Heptachlor	100	0.01	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Aldrin	41	0.01	1.8	U	3.0	J	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Heptachlor Epoxide	20	0.01	1.2	J	7.8	J	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Endosulfan I	900	0.1	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Dieldrin	44	0.01	3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	7.5	U	0.10	U	0.10	U
4,4'-DDE	2,100	0.01	17.		270		10.	J	7.6		12.	J	15.		15.	J	0.10	U	0.10	U
Endrin	100	0.01	1.7	J	31.	J	1.2	J	4.8	U	2.7	J	3.8	U	4.3	J	0.10	U	0.10	U
Endosulfan II	900	0.1	3.4	U	47.		14.	U	0.53	J	1.2	J	3.8	U	7.5	U	0.10	U	0.10	U
4,4'-DDD	2,900	0.01	3.4	U	62.		2.1	J	0.68	J	2.1	J	14.	J	10.	J	0.10	U	0.10	U
Endosulfan Sulfate	1,000	0.1	3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	0.66	J	0.10	U	0.10	U
4,4'-DDT	2,100	0.01	21.		42.		14.	U	0.98	J	8.0	U	9.3	J	7.5	U	0.10	U	0.10	U
Methoxychlor	***		4.5	J	310		70.	U	2.8	J	7.5	J	20.	U	39.	U	0.50	U	0.50	U
Endrin Ketone	N/A		3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	7.5	U	0.10	U	0.10	U
Endrin Aldehyde			3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	7.5	U	0.10	U	0.10	U
alpha-Chlordane	540 *		14.	J	10.	J	2.6	J	2.7	J	11.		9.0		15.	J	0.050	U	0.050	U
gamma-Chlordane	540	0.1	10.		18.	U	0.78	J	1.2	J	5.9		5.7		11.		0.050	U	0.050	U
Toxaphene			180	U	1800	U	700	U	250	U	410	U	200	U	390	U	5.0	U	5.0	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	34.	U	350	U	140	U	48.	U	80.	U	38.	U	75.	U	1.0	U	1.0	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	70.	U	710	U	280	U	98.	U	160	U	78.	U	150	U	2.0	U	2.0	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	39.		350	U	140	U	48.	U	80.	U	38.	U	75.	U	1.0	U	1.0	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	34.	U	350	U	140	U	48.	U	80.	U	38.	U	130	J	1.0	U	1.0	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	34.	U	350	U	140	U	48.	U	80.	U	38.	U	75.	U	1.0	U	1.0	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	65.	J	350	U	14.	J	19.	J	34.	J	63.		130		1.0	U	1.0	U
Aroclor-1260	1,000-surface 10,000-subsurface	100	50.		350	U	23.	J	48.	U	45.	J	35.	J	74.	J	1.0	U	1.0	U

J/A - not available
- Value listed for Chlordane
** - As per TAGM #4046, Total Pesticides < 10 ppm
J - Not Detected
- Value is estimated

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK64		PBLK64		PBLK64	
Units	ug/Kg	ug/L	ug/L		ug/L		ug/L	
Compounds								
alpha-BHC	110	0.05	0.050	U	0.050	U	0.050	U
beta-BHC	200	0.05	0.050	U	0.050	U	0.050	U
delta-BHC	300	0.05	0.0077	J	0.0057	J	0.050	U
gamma-BHC (Lindane)	60	0.05	0.050	UJ	0.050	UJ	0.050	UJ
Heptachlor	100	0.01	0.050	U	0.050	U	0.050	U
Aldrin	41	0.01	0.050	U	0.050	U	0.050	U
Heptachlor Epoxide	20	0.01	0.050	U	0.050	U	0.050	U
Endosulfan I	900	0.1	0.050	U	0.050	U	0.050	U
Dieldrin	44	0.01	0.10	U	0.10	U	0.10	U
4,4'-DDE	2,100	0.01	0.10	U	0.10	U	0.10	U
Endrin	100	0.01	0.10	U	0.10	U	0.10	U
Endosulfan II	900	0.1	0.10	U	0.10	U	0.10	U
4,4'-DDD	2,900	0.01	0.10	U	0.10	U	0.10	U
Endosulfan Sulfate	1,000	0.1	0.10	U	0.10	U	0.10	U
4,4'-DDT	2,100	0.01	0.10	U	0.10	U	0.10	U
Methoxychlor	***		0.50	U	0.50	U	0.50	U
Endrin Ketone	N/A		0.10	U	0.10	U	0.10	U
Endrin Aldehyde			0.10	U	0.10	U	0.10	U
alpha-Chlordane	540 *		0.050	U	0.050	U	0.050	U
gamma-Chlordane	540	0.1	0.050	U	0.050	U	0.050	U
Toxaphene			5.0	U	5.0	U	5.0	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	1.0	U	1.0	U	1.0	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	2.0	U	2.0	U	2.0	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1260	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U

N/A - not available
* - Value listed for Chlordane
*** - As per TAGM #4046, Total Pesticides < 10 ppm
U - Not Detected
J - Value is estimated

TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)		GP-46A (0-2.5 BLS)
Lab Sample ID	TAGM 4046	991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20		991556A-21
Date Sampled	Recommended	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00
Method Blank	Objective	N080399		N080399		N080399		N080399		N080399		N080399		N080399		N080399		N080399
Units	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg
Analytes																		
Aluminum	33,000	13200		18300		15700		22400		16400		18600		18800		17300		19900
Antimony		R		R		R		2.3	BJ	R		R		R		R		R
Arsenic	7.5	2.2	J	7.4	J	2.6	J	5.5	J	3.0	J	2.0	J	4.0	J	2.5	J	3.9
Barium	300	91.3		365		247.		316.		245.		1406		589.		280.		411.
Beryllium	0.16	0.42	B	0.24	B	0.34	B	0.69	B	0.42	B	0.25	B	0.33	B	0.34	B	0.56
Cadmium	1	0.16	UJ	0.16	UJ	0.15	UJ	0.16	UJ	0.11	UJ	0.19	UJ	0.18	UJ	0.15	UJ	0.18
Calcium	35,000	2550	U	9730	U	6820	U	23000	U	7060	U	8740	U	9520	UJ	8150	U	9000
Chromium	10	29.7		92.1		66.9		88.4		70.0		119.		88.6		84.9		114.
Cobalt	30	8.2		12.7		10.5		11.8		11.6		13.1		11.8		13.5		15.7
Copper	25	26.3	J	130.	J	43.3	J	116.	J	30.0	J	22.8	J	167.	J	37.9	J	66.1
Iron	550,000	22800		51600		27900		48600		28600		29500		39300		31300		35300
Lead		11.2	J	221.	J	108.	J	216.	J	49.9	J	15.2	J	161.	J	29.9	J	55.7
Magnesium	5,000	5020		14800		11500		12200		14900		19300		15700		16000		18200
Manganese	5,000	261		618.		410.		798.		479.		455.		491.		500.		533.
Mercury	0.1	0.018	U	0.11		0.082		0.36		0.028	B	0.015	U	0.16		0.017	U	0.019
Nickel	13	17.9		43.4		35.3		80.4		37.2		50.5		39.2		36.1		46.0
Potassium	43,000	2390		11700		7250		8480		8890		14700		10200		10900		13700
Selenium	2	3.3	U	2.7	U	2.7	U	0.82	U	2.8	U	0.95	U	2.2	U	2.0	U	2.5
Silver		0.16	U	0.44	B	0.23	B	1.1	B	0.11	U	0.19	U	0.40	B	0.15	U	0.57
Sodium	8,000	200	B	548.	B	284.	B	700.	B	254.	B	658.	B	569.	B	605.	B	924.
Thallium		4.6	UJ	6.0	UJ	4.3	UJ	2.5	UJ	5.6	UJ	5.0	UJ	5.2	UJ	5.8	UJ	8.6
Vanadium	150	27.0		52.6		40.6		42.1		43.2		59.7		50.0		54.5		59.4
Zinc	20	61		358		183		517		100		72.0		313.		102.		144.

U - Not Detected
J - Value is estimated
B - Value reported is between the CRDL and the IDL
R - Value has been rejected due to QC deficiency

TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)		GP-28C (4-5 BLS)	
Lab Sample ID	TAGM 4046	991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05		991556B-09	
Date Sampled	Recommended	07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	N080399		D080399		N080399		D080599		D080599		D080599		D080599		D080599	
Units	mg/Kg	mg/Kg		ug/L		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Analytes																	
Aluminum	33,000		12300		31.9	B	10100		17000	J	17500	J	17400	J	15200	J	16800	J
Antimony			R		9.0	UJ	R		R		R		R		R		R	
Arsenic	7.5	J	13.2	J	8.0	U	1.8	J	5.7	U	3.7	U	4.6	UJ	4.3	U	5.6	U
Barium	300		149.		3.1	B	150.		179		318.		336.		310.		243.	
Beryllium	0.16	B	0.19	B	1.0	U	0.19	B	0.41	B	0.40	B	0.25	B	0.22	B	0.30	B
Cadmium	1	UJ	0.28	BJ	1.0	U	0.14	UJ	R		R		R		R		R	
Calcium	35,000	UJ	7950	U	27100		5540	U	4340		10000		12400		28200		7110	
Chromium	10		48.0		1.0	U	40.5		62.0		87.3		88.2		81.0		80.9	
Cobalt	30		8.8		1.0	U	7.7		10.6		13.6		13.5		11.9		12.2	
Copper	25	J	132	J	1.0	U	62.7	J	44.5		33.5		60.3		22.2		33.2	
Iron	550,000		25500		34.5	B	22000		25800		35100		38400		29400		30100	
Lead		J	66.5	J	3.6	J	40.6	J	26.6	J	26.4	J	69.5	J	14.0	J	42.1	J
Magnesium	5,000		8450		3380	B	7640		10300		17300		16800		21800		13900	
Manganese	5,000		433.		2.2	B	319.		388.		493.		532.		451.		472.	
Mercury	0.1	B	0.029	B	0.10	U	0.097		0.096	J	0.012	BJ	0.029	BJ	0.011	U	0.060	J
Nickel	13		28.1		2.0	U	23.2		30.8		36.7		44.0		33.3		35.0	
Potassium	43,000		4280		609.	B	4000		6490	J	11000	J	12500	J	12500	J	10200	J
Selenium	2	U	0.67	U	5.0	UJ	2.2	U	0.59	UJ	2.0	UJ	1.5	UJ	0.75	UJ	2.5	UJ
Silver		B	0.13	U	8.0	U	0.14	U	0.12	U	0.15	U	0.66	B	0.15	U	0.16	U
Sodium	8,000		1210		2990	B	1030		142.	BJ	518.	B	1090		523.	B	259.	B
Thallium		UJ	4.8	UJ	10.0	UJ	4.2	UJ	6.0		6.7	J	7.2	J	8.5	J	7.1	J
Vanadium	150		45.8		1.0	U	34.8		42.3		53.8		53.8		53.4		45.2	
Zinc	20		148.		11.3	B	96.6		67.5	J	94.8	J	191.	J	70.2	J	101.	J

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TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)		GP-33A (0-2 BLS)		GP-35A (0-2 BLS)
Lab Sample ID	TAGM 4046	991556B-10		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03		991556C-05		991556C-06
Date Sampled	Recommended	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99		07/09/99		07/09/99
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00
Method Blank	Objective	D080599		D080599		D080599		D080599		D080599		D080499						
Units	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		ug/L		mg/Kg		mg/Kg		mg/Kg
Analytes																		
Aluminum	33,000	17100	J	15200	J	13800	J	15900	J	17700	J	20.0	U	11600		19600		18200
Antimony		R		R		R		R		R		9.0	UJ	3.8	BJ	1.3	UJ	2.8
Arsenic	7.5	4.8	U	4.8	U	4.2	U	3.6	U	4.4	U	8.0	U	12.0	U	5.2	U	8.6
Barium	300	273.		288.		164.		212.		309.		1.0	U	1240		303.		293.
Beryllium	0.16	0.19	B	0.23	B	0.41	B	0.15	B	0.30	B	1.0	U	0.23	U	0.37		0.21
Cadmium	1	R		R		R		R		R		1.0	U	2.6		0.15	U	1.7
Calcium	35,000	15800		7040		3780		5590		10000		47.9	B	22300		6990		11600
Chromium	10	93.9		73.2		52.9		89.0		88.1		1.0	U	36.5		295.2		93.0
Cobalt	30	13.7		12.6		10.7		13.7		13.3		1.0	U	10.6	BJ	15.2	J	12.7
Copper	25	36.8		43.9		19.6		22.3		38.6		1.0	U	209.	J	49.4	J	382.
Iron	550,000	33100		30300		23600		29400		32600		29.0	U	50200		35100		84800
Lead		17.5	J	27.3	J	4.9	J	6.2	J	41.3	J	3.0	U	5120	J	37.6	J	500.
Magnesium	5,000	22000		13700		9560		15700		16500		22.0	U	4540		15900		9300
Manganese	5,000	482.		412.		551.		424.		460.		4.4	B	470.		549.		653.
Mercury	0.1	0.012	U	0.019	BJ	0.010	U	0.0096	BJ	0.031	BJ	0.10	U	0.11		0.037		64.5
Nickel	13	40.8		32.3		25.3		41.5		37.6		2.4	B	31.4	J	44.0	J	62.0
Potassium	43,000	13600	J	10500	J	5250	J	13200	J	12000	J	64.2	B	2660		11200		6790
Selenium	2	1.3	UJ	1.5	UJ	1.3		0.76	UJ	0.89	UJ	14.6	J	1.1	UJ	0.88	UJ	3.7
Silver		0.16	U	0.12	U	0.14	U	0.15	U	0.18	U	8.0	U	2.6		0.15	U	2.6
Sodium	8,000	805.		578.	B	392.	B	339.	B	870.	BJ	81.4	B	1620	J	229.	BJ	360.
Thallium		5.5	J	6.3	J	9.2	J	7.2	J	6.0	J	10.0	UJ	8.0	J	5.8	J	14.4
Vanadium	150	59.2		45.4		35.3		49.5		53.1		1.0	U	37.8		58.3		40.7
Zinc	20	76.8	J	79.4	J	71.6	J	64.5	J	116.	J	10.0	UJ	1370	J	114	J	928.

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TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-36A (0-3 BLS)		GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT		NW CATCH BASIN		DUPLICATE-3	
Lab Sample ID	TAGM 4046	991556C-07		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17		991556C-18		991556C-19	
Date Sampled	Recommended	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective																
Units	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Analytes																	
Aluminum	33,000		13700		17400		7230		16500		5910		16600		10700		15400	
Antimony		BJ	6.7	BJ	2.5	BJ	1.2	UJ	7.8	BJ	2.0	UJ	3.8	UJ	2.0	BJ	3.9	BJ
Arsenic	7.5	U	13.0	U	8.8	U	4.2	U	7.8	U	5.7	U	13.0	U	7.0	U	9.0	U
Barium	300		290.		255.		73.1		314		54.3		125.		139.		331.	
Beryllium	0.16	U	0.21	U	0.21		0.25	B	1.9		0.26		0.65	B	0.16	U	0.20	U
Cadmium	1		2.3		1.7		0.28	B	0.59	U	0.39		2.4		0.66	B	3.4	
Calcium	35,000		23400		9950		3570		5450		17700		14100		5590		13600	
Chromium	10		107.		86.7		19.2		25.3		15.7		53.8		44.8		71.3	
Cobalt	30	J	11.2	J	11.7	J	4.6	BJ	2.3	BJ	5.0	BJ	14.2	BJ	9.2	J	10.2	J
Copper	25	J	731.	J	1490	J	60.0	J	28.3	J	77.2	J	109.	J	74.6	J	725.	J
Iron	550,000		109000		55400		12900		5020		13400		28600		56200		71600	
Lead		J	997.	J	342.	J	38.5	J	99.9	J	16.9	J	109.	J	169.	J	595.	J
Magnesium	5,000		5410		8270		3410		1400	B	10600		12400		6760		6540	
Manganese	5,000		962.		593.		146.		68.2		152.		230.		461.		659.	
Mercury	0.1		0.0099	U	0.37		0.038		0.38		0.010	BJ	0.19		0.070		0.38	
Nickel	13	J	48.9	J	51.2	J	11.6	J	15.4	BJ	13.7	J	58.5	J	38.6	J	51.0	J
Potassium	43,000		4180		4550		1950		725.	B	1360		3700		1820		5060	
Selenium	2	UJ	5.3	UJ	3.6	UJ	0.68	UJ	2.9	UJ	3.1	UJ	2.1	UJ	2.6	UJ	1.0	UJ
Silver			2.6		1.4	B	0.14	U	0.59	U	0.22	U	0.42	U	0.46	B	5.0	
Sodium	8,000	BJ	718.	BJ	321.	BJ	133.	U	326.	BJ	278.	BJ	1800	BJ	253.	BJ	897.	BJ
Thallium		J	15.4	J	9.6	J	1.4	UJ	6.1	J	2.2	UJ	6.5	J	7.2	J	10.0	J
Vanadium	150		31.6		37.6		18.8		27.4	B	20.1		67.3		106.		31.5	
Zinc	20	J	957.	J	710.	J	69.1	U	65.7	U	157.	J	874.	J	341.	J	1070	J

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TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		FIELD BLANK-3		SUPPLY WELL		UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046	991556C-20		991557A-01		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective			D080499		D080499		D080499		D080499	
Units	mg/Kg	ug/L		ug/L		ug/L		ug/L		mg/L	
Analytes											
Aluminum	33,000	20.0	U	20.0	U	321.		514.		22.1	B
Antimony		9.0	U	9.0	U	9.0	U	9.0	U	9.0	U
Arsenic	7.5	8.0	U	8.0	U	8.0	U	8.0	U	8.0	U
Barium	300	1.0	U	240.		197.	B	56.5	B	234.	
Beryllium	0.16	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	35,000	76.7		102000	J	68600	J	7830	J	99100	J
Chromium	10	1.0	U	1.0	U	1.3	B	1.7	B	1.0	U
Cobalt	30	1.0	U	1.0	U	1.0	U	1.2	B	1.0	U
Copper	25	1.0	U	1.0	U	9.3	U	2.2	U	1.0	U
Iron	550,000	29.0	U	29.0	U	650.		2160		34.4	B
Lead		3.0	U	3.0	U	3.0	U	11.2		3.0	U
Magnesium	5,000	22.0	U	20000		16300		2540	B	19500	
Manganese	5,000	5.5		87.7		40.1		127.		96.9	
Mercury	0.1	0.10	U	0.14	B	0.10	U	0.17	B	0.10	U
Nickel	13	2.0	U	2.0	U	2.4	B	4.6	B	2.0	U
Potassium	43,000	39.0		6470		7460		1640	B	6400	
Selenium	2	12.5		17.6	U	11.5	U	22.7	U	12.5	U
Silver		8.0	U	8.0	U	8.0	U	8.0	U	8.0	U
Sodium	8,000	86.1		98300	J	79200	J	13000	J	95900	J
Thallium		10.0	U	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ
Vanadium	150	1.0	U	1.0	U	4.2	B	3.3	B	1.0	U
Zinc	20	10.4		10.0	U	18.0	BJ	30.0	J	16.6	BJ

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Appendices

A

APPENDIX A

Supplemental Work Plan and NYSDEC Comments

ENVIRONMENTAL RESOURCES MANAGEMENT

SUPPLEMENTARY SITE INVESTIGATION WORK PLAN

500 Mamaroneck Avenue

December 1998

Prepared for:

500 Mamaroneck Avenue
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, New York 11797

ERM

SUPPLEMENTARY SITE INVESTIGATION WORK PLAN

500 Mamaroneck Avenue

December 1998

Prepared for:

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Woodbury, New York 11797

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1.0 *INTRODUCTION*

Environmental Resources Management (ERM) is submitting this work for additional investigation at 500 Mamaroneck Avenue, Harrison, New York on behalf of 500 Mamaroneck Avenue Associates. The workplan has been prepared as part of the Voluntary Cleanup Program Application.

Previous studies conducted at the site have revealed limited impacts from past activities. In June 1998, ERM concluded that remediation was not warranted. The additional work proposed below, is offered to further support that conclusion.

1.1 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2 *STUDY AREA DESCRIPTION AND HISTORY*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. Almost 340,000 cubic yards of rock and earth was removed. This includes bituminous paved parking areas parking covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the

property is located to the east of the office complex and serves as a buffer for the residences further to the east.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small wetland area is located in the north-central portion of the property, immediately east of the northern portion of the parking area. Water is provided by the local municipal system. One 350 - foot deep well supplies water to a decorative waterfall on the property. Sanitary waste is handled via the municipal sewer system.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.3 *PREVIOUS STUDIES*

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997, Dames & Moore, Inc., 1998 (late February or early

March) and ERM, June, 1998. Except for the ERM sampling, the earlier investigations were generally Phase I type Environmental Assessments, however, the Dames & Moore, GZA, ERL and USHI did collect limited soil and/or groundwater samples.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain debris from past Municipal Solid Waste (MSW) operations (see Figure 2). The samples were composited and analyzed for priority pollutant metals after extraction following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 2). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 2). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be slightly elevated, they are consistent with typical soil metals concentrations from urban settings and do not indicate contamination from operation of the incinerator.

Dames & Moore collected soil and groundwater samples. Initially they proposed the installation of 8 soil borings, however, 2 of their borings were not installed due to the presence of underground utilities. Figure 2 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs , PAH and PCB semi-volatile organic compounds (SVOCs) and RCRA metals.

No VOCs exceeded regulatory guidelines in any of the six soil samples collected. Dames & Moore's data indicated that the PAHs and PCBs exceed regulatory guidelines in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (μg/kg), chrysene at 670 μg/kg and benzo(a)anthracene at 600 μg/kg. The PCB concentration in this sample was 13,000 μg/kg of Aroclor 1242. The report also states that RCRA metals exceed regulatory guidelines in all of the samples. However, that conclusion is based on a total metals analysis of the soils. Considering the proximity of bedrock at the site, < 0.5 - foot in some cases, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock

Groundwater samples were collected from the existing on-site well and from borehole No 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameters were detected above its respective regulatory guidance criterion.

The soil sampling carried out by ERM detected PAHs and PCBs above regulatory guidance criteria in 6 soil samples out of the 46 collected at the 500 Mamaroneck Avenue site. Four of the six samples exceeding the regulatory guidance criteria were re-analyzed using the TCLP leaching procedure. The concentrations of PAHs and PCBs in these latter four

samples were below regulatory guidance, indicating that these compounds (PAHs and PCBs) are not mobile.

The PAH and PCBs are associated with samples where there is a greater thickness of soil, specifically along the southern parking lot boundary and in front of the building. The PAHs and PCBs were generally detected in samples collect at depths greater than 3-feet below land surface. However, it must be pointed out that in general there is only a thin mantel of soil above the bedrock at the site. This is consistent with the observation that more than 340,000 cubic yards of soil and bedrock were removed from the site during construction of the building complex.

1.4 *DATA GAPS*

As discussed above, the 500 Mamaroneck Avenue site was the location of the former Town of Harrison Municipal Incinerator. An MSW transfer station apparently was also operated on the site. Available historic data should be reviewed to confirm where these activities occurred.

The ERM and Dames & Moore sampling efforts identified 4 areas where residual PAHs and PCBs exceed soil cleanup guidelines. As discussed above, more than 340,00 cubic yards of soil and rock were excavated from the site when the building was constructed. The excavation apparently left only a thin verneer of soil over the underlying bedrock. This was confirmed by the depth to bedrock observed during the installation of borings in the June 1998 investigation. A better understanding of the volume of soil present over the bedrock surface in areas where residual contamination was observed would provide a means of evaluating whether there is sufficient soil to represent a significant source of contamination. Determination of the volume of soil in those areas would also permit calculation of the cost to remove the residual contaminants if that became a potential remedial option.

The presence of underground utilities prompted ERM to locate sampling points away from the interior and more toward the perimeter of the site. It was determined that the collection of additional samples in the central site area, in areas where past activities may have occurred and adjacent to areas where residual contamination was observed, might provide a better definition of on-site contamination. If the results of the proposed sampling are consistent with the data for previous sampling, the data could be used to support the current no-action remedial decision.

2.0 *PROPOSED SCOPE OF WORK*

2.1 *REVIEW OF AERIAL PHOTOGRAPHS*

To the best of our knowledge, there are no data or reports available regarding operation and demolition of the former Town of Harrison Municipal Incinerator and/or Transfer Station. Therefore to better understand the location and operations of the incinerator and transfer station, ERM proposes that existing aerial photographs be reviewed. Available aerial photographs from the Westchester County Department of Public Works, Town of Harrison and commercial environmental databases (if necessary) will be reviewed and used to prepare a chronology of where/when development and usage of the property occurred. These data will be correlated with existing sampling locations to determine if areas potentially impacted by past operations have been sampled. If potentially impacted areas have not been sampled, the sampling points, proposed below will be adjusted to provide data from these areas.

2.2 *GEOPHYSICAL SURVEY OF KNOWN IMPACTED AREAS*

A geophysical survey will be carried out to determine the elevation of the top of the bedrock in areas where residual materials have been detected (PAHs, PCBs). The areas to be surveyed are presented on Figure 3. In addition, the survey data will aid in the placement of additional soil borings to better define the extent of any contamination and together with the analytical results from the soil boring programs, be used to estimate the volume of soil potentially impacted.

The geophysical survey will also be carried out to locate underground utilities so that additional samples can be collected from the central site area where the utilities are located. Determination of the volume of soil

present in areas where residual contamination is present will permit evaluation of potential exposure risks and permit estimation of the cost of remedial activities (soil removal, if necessary). The geophysical techniques likely to be used are seismic refraction, ground penetrating radar and electromagnetic surveys.

2.3 *INSTALLATION OF ADDITIONAL SOIL BORINGS*

An additional round of soil boring installation will be carried out to define the limits of areas known to contain residual materials and to more fully characterize soil quality at the site. As shown of Figure 3, **26** new borings are proposed for installation (the exact number will be determined by site conditions, i.e., if a boring can be installed in the desired location). The exact locations of the borings may be adjusted as a result of the aerial photography review and consultation with the NYSDEC. Based on previous sampling activities, ERM proposes to analyze the soil collected from the borings for PAHs and PCBs. Field screening will also be carried out to confirm the absence of volatile organic compounds (VOCs). Finally, as in the earlier ERM investigation, prior to selection of samples for laboratory analysis, soil samples will be screened for PCBs and PAHs using field immunoassay testing. Borings will be installed using either a GeoProbe or Tripod rig. The exact scope of the boring program to be undertaken will be determined in consultation with the NYSDEC, after they have completed review of the ERM June 1998 Site Assessment report.

2.4 *REPORT PREPARATION*

The results of the soil-boring program will be complied and a report summarizing the results of the current investigation will be prepared and submitted to the NYSDEC. In addition to presenting the investigation results, the report will evaluate the extent of the residual material(s), the potential for impacts and exposure, and the need for remedial activities,

based on all existing site data. If the data collected during this supplementary site investigation are not significantly different than the other data collected to date, it is our goal that no further investigation or remedial action will be required, and that a letter be issued to that effect.

New York State Department of Environmental Conservation
Region 3, Division of Hazardous Waste Remediation
21 South Putt Corners Rd., New Paltz, NY 12561-1696
Telephone: (914) 256-3000 FAX: (914) 255-3414

John P. Cahill
Commissioner

April 5, 1999

DRAFT

Mr. Thomas Julius
Schulman Management Corporation
500 Mamaroneck Avenue
Harrison, New York 10528

RE: COMMENTS FOR VOLUNTARY SITE REPORT (6/98) AND WORK PLAN (12/98) AT 500 MAMARONECK AVENUE, HARRISON, N Y

Dear Mr. Julius:

The following are the DECs comments for the above reports.

Site Assessment Report:

1-General: The DEC reviews soil and groundwater data for compliance with TAGM 4046 and New York State Groundwater (Water Quality Regulations, Title 6, Chapter X Part 703) Standards. These standards must be considered for determining the appropriate remedial action that might be required to address a site. The data presented in the report states that Metals, PAHs and PCBs are contaminating site soils above recommended cleanup levels and therefore should be addressed in accordance to these standards. The paved parking area is not an acceptable remedial engineering practice used to address contaminated soils at a site. The mobility of the above contaminants is not the deciding factor for addressing these soils with a no action remedy. Please review all of the data based on the above compliance and present the Department with your revised conclusions for this report.

2-Page 1-3, second paragraph: How large is the "wet area" and is it a designated wetland. Please provide the Department with more information concerning this area.

3-Page 1-3, first paragraph: The "shallow well" that supplies the waterfall is stated to be 350 feet deep(see pg. 1-2 of the Work Plan). If this is in fact the depth of the well please omit the term "shallow," because this is misleading.

4-Throughout the report: When terms such as,..."respective regulatory guidance criterion,"..... "below relevant standards,"...and "method detection limits" are used, they must be qualified. Please qualify these terms where appropriate in the report and work plan.

5-Page 1-5, last paragraph: The statement on the RCRA metals results. Please refer to comment number 1 and revise this section based on the data and those standards. The TCLP is used for disposal and site registry listing purposes and not as a means for determining site cleanup goals (or a no action recommendation). Any additional sampling for metals will require a TAL analysis, which will provide the criteria on how the results could be addressed.

DRAFT

6-Page 1-5: What are the "typical soil metal concentrations for urban settings" for this site. Please explain.

7-Page 2-3: The 21 soil borings were analyzed using EPA , RCRA methods and later the extracted samples used the TCLP to assess mobility of PAHs and PCBs. The mobility of these compounds is not the issue in determining the remedial action level to be taken at this site. Refer to comment number 1.

Supplementary Site Investigation Work Plan:

A -Page 2-2, sec. 2.3: The TCL (Target Compound List) should be the protocol used for the 26 additional sampling locations that you have purposed. The following parameters should be run: semi-volatiles, PCBs and TAL (inorganic target analyte list) for metals. One other reason for running metals is stated in your June 98 report on page1-6.

B -Page 1-4: The consultant, Dames & Moore, sampled on-site groundwater (W-1 and borehole No.3) and analyzed for VOCs and RCRA metals. The site well (W-1) needs to have the full TCL run, which includes: volatiles, semi-volitiles, BTEX, acid extractable, pesticides/PCBs and inoganics (TAL). Please state this in the revised work plan. The Department would also like to see the two on-site ponds sampled, which would include both surface water and sediment. The same set of parameters (TCL and TAL) should be run for these samples.

C -Page 1-2: It is stated that the on-site waterfall supply well (W-1) is 350 feet deep, yet on page 1-3 of the site assessment report you refer to it as a"shallow well." If this is in fact the depth of the well please omit the word "shallow", because it is misleading to the general public.

Please provide the Department with the above information in your revised reports. If you have any questions or concerns, please contact me at 914/256-3153. Thank you.

Sincerely:

Robert Smith / DER

cc: R. Pergadia
R. Rusinko, Esq., DEE
S. Bates, NYSDOH
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John P. Cahill
Commissioner

May 4,1999

Mr. Thomas Julius
Schulman Management Corporation
500 Mamaroneck Avenue
Harrison, New York 10528

RE: ADDITIONAL COMMENTS FOR VOLUNTARY SITE REPORT (6/98) AND WORK PLAN (12/98) FOR 500 MAMARONECK AVENUE, HARRISON, N Y, VOLUNTARY SITE NUMBER D-172

Dear Mr. Julius:

The following are the DECs additional comments for the above reports.

Site Assessment Report:

1-Page 1-6, second paragraph. Should specify that the groundwater was tested for BTEX compounds only.

2-Page 2-1, second paragraph. The fifth sentence states that volatile organic compounds (VOCs) were not detected except for common laboratory contaminants, such as acetone and methyl ethyl ketone (MEK). Quality Control/Quality Analysis data should be provided to determine if acetone and MEK were detected in field or laboratory blanks.

3-Page 3-2, third paragraph, last sentence. It states that TAGM 4046 cleanup criteria is based on direct contact with PAH contaminated soils. It should state that TAGM 4046 is based on the protection of groundwater. Please correct.

4-General. Site location maps for the two reports should include a north facing arrow icon.

5-On-Site Contaminated Soils:

A.) Location GP-11A soils from 0-3"have a recorded PCB level of 4.2 ppm. The cleanup level found in TAGM 4046 states that soils from 0 to 2' be cleaned up to1 ppm. This location needs to be further investigated and the soils remediated.

B.) Locations GP-12A/B, 13A, 19B/C, 19E/F, 20A and 21A soils are contaminated with PAHs above the TAGM 4046 recommended cleanup levels. Please provide a remediation plan that addresses these contaminated soil locations.

DRAFT
Quality Assurance Guidelines for Voluntary Cleanup Sites

A separate Quality Assurance Project Plan (QAPjP) is not required when the following quality assurance points are included in the Work Plan:

1. Project description and project goals. Include the site environmental history and the results of any previous sampling.

2. Project organization, including designation of the Project Manager, Quality Assurance Officer and Field Analyst, if field analysis is planned. These resumes should be included in the Work Plan Appendix.

3. Sampling procedure and equipment decon procedures. Include a sample chart that specifies the sample matrix, number of samples, analysis methods and data reporting level. EPA or NYSDEC Analytical Services Protocol (ASP) methods are acceptable. Also include a site map that shows proposed sampling sites and previous sampling results.

4. The laboratory must be named in the Work Plan and must be NYSDOH ELAP certified for the planned analyses. It most cases, the investigation and cleanup confirmation sample analysis reporting level will be NYSDEC ASP Category B deliverables*, in order to fully evaluate and document the project. When Category B deliverables are required, the laboratory must be NYSDOH ELAP CLP certified, since the CLP certification program evaluates the proficiency of the laboratory in the quality control parameters required by the analytical methods and the reporting format for the Category B deliverables package. On sites where we already have valid and usable investigative data, verified by Category B deliverables, intermediate samples (SPDES, interim remedial measures (IRM) and construction samples) usually only require a standard, one page, analysis report.

5. Include Standard Operating Procedures (SOPs) for field instruments and field screening methods.

6. Data validation is not required. The data should be evaluated according to the Division of Environmental Remediation (DER) Data Usability Summary Report (DUSR) guidelines.

* This reporting level gives the necessary documentation that will be reviewed to evaluate the usability of the data (see #6). It also gives calibration data that is needed to verify "not-detected" analytes that are possible compounds of concern, as indicated by site history or previous screening level data.

New York State Department of Environmental Conservation
Division of Environmental Remediation

Guidance for the Development of Data Usability Summary Reports

Background:

The Data Usability Summary Report (DUSR) provides a thorough evaluation of analytical data without the costly and time consuming process of third party data validation. The primary objective of a DUSR is to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and data use.

Though the substitution of a DUSR for a full third party data validation may seem to be a relaxation of the Division's quality assurance requirements, this is definitely not the case. The development of the DUSR must be carried out by an experienced environmental scientist, such as the project Quality Assurance Officer, who is fully capable of conducting a full data validation. Furthermore, the DUSR is developed from a full New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B or a United States Environmental Protection Agency Contract Laboratory Protocol (USEPA CLP) deliverables package.

The DUSR and the data deliverables package will be reviewed by the Division's Quality Assurance Unit. In most cases, we expect that this review will result in agreement or with only minor differences that can be easily reconciled. If data validation is found to be necessary (e.g. pending litigation) this can be carried out at a later date on the same data package used for the development of the DUSR.

Personnel Requirements:

The Environmental Scientist preparing the DUSR must hold a Bachelors Degree in a relevant natural or physical science or field of engineering and must submit a resume to the Division's Quality Assurance Unit documenting experience in environmental sampling, analysis and data review.

B

APPENDIX B

Previous Reports
Coneco Investigation - June 1999
ERM-Northeast - June 1998
* *Dames & Moore – March 1998*
* *AKRF – April 1997*
* *US Hydrogeologic – October 1989*
* *Environmental Risk Limited – April 1988*
* *Merritt & Harris – July 1987*

* Contained in June 1998 ERM Northeast Report

Coneco Investigation - June 1999

SUBSURFACE INVESTIGATION
500 MAMARONECK AVENUE
HARRISON, NEW YORK

PREPARED FOR:

W & M PROPERTIES, INC.
ONE STATION PLACE
METRO CENTER
STAMFORD, CONNECTICUT 06902

PREPARED BY:

CONECO ENVIRONMENTAL CORPORATION
90 NATIONAL DRIVE
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JUNE 1999

WORK ORDER NO. C118

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1.0 Background

In May 1998, Environmental Resources Management (ERM) performed a subsurface investigation at 500 Mamaroneck Avenue in Harrison, New York, hereinafter, the "Site" in an effort to define the extent of potential impacts from past activities. Twenty-one soil borings were performed in areas of the greatest thickness of overburden soil. Approximate Soil boring locations are presented in Figure 3. Soils collected from the borings were analyzed for Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), and RCRA eight metals (silver, arsenic, barium, cadmium, chromium, mercury, lead, and selenium).

The results of the soil sample analysis indicated the presence of PAHs and PCBs in several soil boring locations at concentrations which exceed the New York State Department of Environmental Conservation (NYDEC) Division Technical and Administrative Guidance Memorandum (TAGM) 4046 (January 1994). TAGM 4046 was developed to act as a guidance document and as such provides a basis and procedure to determine cleanup levels. Typically the NYDEC uses the TAGM 4046 document to develop cleanup objectives for individual sites prior to the commencement of any remedial activities.

The investigation performed by ERM identified concentrations of PCBs ranging from 56 ug/kg (ppb) to 4,200 ppb. The 4,200 ppb concentration for PCBs exceeds the surficial total PCB clean-up criterion established at 1,000 ppb. In addition, several individual PAH compounds were detected at levels exceeding the cleanup objectives of NYDEC TAGM 4046. Concentrations of PAHs ranging from 110 ppb to 7,800 ppb.

2.0 Site Subsurface Investigation

The proposed subsurface investigation intended to evaluate whether there is evidence that a release of hazardous substances has occurred at the Site from historic operations. Tax records maintained by the Town of Harrison (Harrison) indicate that the Site is the former location of the Harrison Incinerator and Transfer Station. The Site was reportedly used for this purpose from 1954 until it was demolished in 1984. Toward that end, a program of subsurface investigation was conducted to evaluate the extent of PAH, PCB, total metals and volatile organic compound (VOC) contamination in areas previously identified as having elevated levels of PAHs and PCBs in the soil.

The subsurface investigation would better define the limits of areas known to contain residual materials and determine if these materials are a significant source of contamination. The investigation would allow for a more comprehensive characterization of the soil and groundwater quality on-Site.

To accomplish these goals, CONECO performed the following tasks:

2.1 Site Preparation Activities:

A site-specific health and safety plan (HASP), as required by the U.S. Occupational Health and Safety Agency (OSHA) and the New York State Department of Environmental Conservation (NYDEC) was prepared. All CONECO personnel adhered to this HASP during the fieldwork.

CONECO contacted Call-Before-You-Dig of New York to locate and mark-out underground utilities at the Site prior to commencement of the subsurface investigation soil boring program.

CONECO also reviewed available Site utility drawings provided by the Office Complex engineer to gain additional information as to possible underground utility locations including sanitary sewer, storm sewer, underground storage tank, and parking lot lighting electrical lines.

2.2 Soil Boring Methodology:

CONECO proposed to utilize *Geoprobe* boring to investigate and sample the subsurface soils at the Site. The *Geoprobe* is a hydraulically powered soil probing machine, which uses static force and a percussion hammer to advance small diameter sampling tools into the subsurface to collect soil cores. CONECO subcontracted the *GeoProbe* boring operations to Brooks Laboratories, Inc. (Brooks Lab.) located in Norwalk, CT. All *Geoprobe* borings were performed under the supervision of a CONECO Engineer using the "direct push macro-core" method. Typically each boring was advanced to a depth of 10-feet or until refusal.

A total of fifty-nine (59) borings were performed across the Site. The borings are identified as B-1, B-2, B-3, ... B-24, B-24A, ... B-27, B-27A, ... B-57. Figure 1 identifies the location of each CONECO *GeoProbe* borings. *GeoProbe* boring operations commenced on March 8, 1999, at 9:00 am. Boring No.s B-1 and B-2 were completed before operations ceased at the request of the property owner.

GeoProbe boring operations recommenced on March 29 and continued through March 30, completing boring No.s B-3, B-4 ... B-48. A second set of *Geoprobe* borings were performed on April 15, 1999, which included boring No.s B-49 ... B-57. The boring locations were placed where previous subsurface investigations indicated elevated concentrations of contaminants above TAGM 4046 cleanup levels. The general areas of subsurface investigation included the following:

- Areas north and south of the ERM borings GP-11, GP-12 and GP-13 where elevated concentrations of PAHs and PCBs were detected;

- area west of the office complex, adjacent to the former incinerator and previously performed ERM boring GP-19 where elevated concentrations of PAHs were detected, and

- areas to the north of the office complex around the previously performed ERM boring GP-20 where elevated concentrations of PAHs were detected.

Addition *GeoProbe* borings were located in areas across the Site that were determined to not be sufficiently characterized during previous investigations performed by others. The approximate locations for these borings include the most eastern, northern and south-central portions of the Site.

Continuous two-foot soil samples were collected at each boring location and cataloged into the Field Logs. The Field Logs provide a description of the undisturbed subsurface soils as they are retrieved by the *GeoProbe* macro-core assembly. This method of sampling employs a disposable clear plastic liner to retrieve each discrete continuous soil sample. The clear plastic liners prevent cross contamination between the individual soil sample intervals and allows for a visually inspected of each 2-foot continuous soil sample. The macro-core sampler assembly was decontaminated between the retrieval of each soil sample retrieval using a detergent wash followed by distilled water rinsing.

A photograph of the macro-core method of sample retrieval is presented in Appendix A, Property Photographs. Field Boring Logs prepared by CONECO provide a description of soil characteristics and observations of the presence or absence of contamination. Specifically, visual, textural and olfactory observations, and volatile organic compound (VOC) screening results are indicated in these field logs. Field logs are presented in Appendix B, CONECO Field Logs.

Each soil sample was field screened for volatile organic compounds (VOCs) using the "jar head-space" method using a HNu Model HW-101 photoionization detector (PID) with a 10.2 eV lamp probe. PID readings are presented in the field logs. No VOCs were detected in any of the soil samples field screened during sample retrieval.

A total of ninety-two (92) individual soil samples were collected during the first rounds of *GeoProbe* sampling performed on March 8, 29 and 30, 1999. An additional eighteen (18) soil samples were collected on April 15, 1999. Each soil sample was placed in the appropriate analytical laboratory supplied soil jars for immunoassay testing and subsequent NY State Certified analytical laboratory testing.

3.0 Immunoassay Screening

The environmental immunoassay test kits used in this investigation are designed to be sensitive to specific compound groups such as PAH and PCB cogeners. The kits utilize biological "immunoglobulin" proteins, called antibodies, capable of reacting with specific target compounds, called antigens (i.e.. PAHs and PCBs).

Soil samples to be submitted for PAH and PCB, NY State Certified Laboratory analysis were selected based on performance of immunoassay test screening. Specifically CONECO used Strategic Diagnostics, Inc., (SDI) "rapid assay" test kits for detection of total carcinogenic PAHs (CPAHs) and PCBs. Field immunoassay testing provides a cost-effective approach to screen Site soils for suspect contaminants.

A total of ninety-one (91) immunoassay tests were performed on soil boring samples collected on March 29 and 39, 1999 for both PCBs and Carcinogenic PAHs. (CPAHs). The immunoassay tests were performed at CONECO's Glastonbury, Connecticut Office on Friday and Saturday April 2 and 3, 1999, by a CONECO Engineer trained and certified by SDI for Advanced Quantitative Rapid Assay PCB and CPAH analysis.

The PCB and CPAH immunoassay kit concentration detection ranges were established to be 0.5 mg/kg (ppm) to 10.0 ppm and 0.1 ppm to 25 ppm respectively. Immunoassay soil sample test results are presented in Appendix C, Immunoassay Results. For both the CPAH and PCB test runs, control solutions of known concentrations were run. In all instances the correlation factor for accuracy was in acceptable percentage ranging from 98.36 to 99.99 percent.

Of the ninety-one immunoassay tests performed, CPAHs were detected in forty-one soil samples and PCBs were detected in only five soil samples. The concentration of total CPAH detected in the soil samples tested by the immunoassay method ranged from 0.75 ppm to 19.9 ppm. The concentration of PCBs detected by the immunoassay kits ranged from 0.52 ppm to 1.76 ppm.

The results of the immunoassay kits analysis were used as the primary criteria for selecting soil samples for subsequent laboratory analytical testing. Initially ten soil samples from Geoprobe boring operations performed on May 29 and 30, 1999 were selected with the highest immunoassay detected concentration for CPAHs and PCBs and submitted for laboratory analysis. Only two of these soil samples were detected with both high CPAH and PCB concentrations, B-19 (2'-4') and B-41 (4'-6').

The immunoassay tested soil samples that were analyzed by the analytical laboratory for PCBs were all below quantitative limit (BQL). This correlates well with the very low concentrations of PCBs detected by the immunoassay tests. Analytical laboratory results for the immunoassay tested soil samples analyzed for CPAHs detected CPAHs. However not direct linear correlation could be made in the concentrations detected between the immunoassay tests and the laboratory analysis other than the fact that the CPAHs were detected above quantitative limits.

4.0 Subsurface Sampling and Analysis

4.1 Soil Sample Analytical Results:

Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs):

A total of thirty soil samples were submitted for CPAH laboratory analysis from twenty of the fifty-seven *GeoProbe* borings performed across the Site. These soil samples were selected for laboratory analysis based on the immunoassay test results, previous analytical data performed by others, and field observations made during sample retrieval.

Table 1, presents the results of the CPAH analytical testing and provides a total CPAH concentration at the bottom of each column. The total CPAH concentration levels are compared to the TAGM 4046 soil cleanup objective of less than or equal to 1.0 mg/kg (ppm). Of the thirty samples tested, nine total CPAH concentrations are above the 1.0 ppm cleanup objective used by the NYDEC to determine the requirements for remediation. Concentrations of total CPAHs above the 1.0 ppm objective ranged from 2.39 ppm in boring B-53 (4'-8') to 93.89 ppm in B-19 (2'-4').

Boring locations where concentrations of total CPAHs exceeded the 1.0 ppm objective include the following sample identifications: B-3 (2'-4') 6.47 ppm, B-19 (2'-4') 3.89 ppm, B-21 (0'-3') 15.9 ppm, B-41 (4'-6') 36.39 ppm, B-49 (0'-4') 11.48 ppm, B-51 (0'-4') 18.9 ppm, B-51 (4'-6.5') 21.02 ppm, B-54 (0'-4') 11.47 ppm, and (4'-8') 2.39 ppm).

Samples collected from B-19, B-21, B-49 and B-51 are located in the direct areas were elevated levels of PAHs were identified by previous sampling performed by ERM. The specific locations of the ERM borings are identified as GP-11, GP-12 and GP-13. These borings are located along the southern edge of the Office Complex parking lot. Samples collected from B-54 and B-41 are located in the direct area of ERM boring GP-20 were elevated concentrations of CPAHs were previously detected.

Polychlorinated Biphenyls (PCBs):

A total of eighteen soil samples were submitted for PCB laboratory analysis from fifty-seven *GeoProbe* borings performed across the Site. These soil samples were selected for laboratory analysis based on the immunoassay test results, previous analytical data performed by others, and field observations made during sample retrieval.

Table 2, presents the results of the PCB analytical testing along with the TAGM 4046 soil cleanup objectives of 1.0 mg/kg (ppm) for surface soils and 10 ppm for subsurface soils. The cleanup objectives were not exceeded in any of the soil samples tested.

Target Analyte List (TAL) Inorganics:

A total of twenty-eight soil samples from nineteen of the fifty-seven *GeoProbe* borings performed across the Site were submitted for Total Analyte List (TAL) metals analysis. These soil samples were selected for laboratory analysis based on historical uses of the Site and field observations made during soil sample retrieval.

Table 3, presents the results of the TAL analytical testing results. Table 3 also provides the TAGM cleanup objectives for metals and the Eastern United States Site Background (SB) levels including NY State background levels for metals were available. With the exception of antimony, selenium, and thallium all other metals on the TAL list were detected at some concentration. Typically the metals of concern to the NYDEC are the RCRA 8 metals which include the following: lead, cadmium, chromium, arsenic, selenium, barium, mercury, and silver.

Lead concentrations detected in on-Site soils ranged from a low of 11 ppm to a high of 1,400 ppm in sample B-49 (4'-7'). Average background levels for lead in metropolitan areas or areas near highways can range from 200-500 ppm. Typically the NYDEC compares site concentrations of lead in soil to 1,000 ppm for cleanup objectives. Of the twenty-six soil samples analyzed for total lead only six concentrations exceeded 500 ppm and only one concentration in sample B-49 (4'-7') exceeded 1,000 ppm

Cadmium concentrations detected in on-Site soils ranged from a low of 9.8 ppm to a high of 39 ppm in sample B-49 (4'-7'). Average background levels for cadmium in the Eastern USA Site Background (SB) range from 0.1 to 1 ppm. However the NYDEC typically compares site concentrations of lead in soil to 10 ppm for cleanup objectives. Of the twenty-six soil samples analyzed for total cadmium nine concentrations exceeded 10 ppm and only two concentration in sample B-49 (4'-7'), 39 ppm and B-54 (8'-11'), 35 ppm exceeded 10 ppm by more than two fold.

Chromium concentrations detected in on-Site soils ranged from a low of 16 ppm to a high of 130 ppm in sample B-49 (4'-7'). Average background levels for chromium in the Eastern USA Site Background (SB), specifically New York State range from 1.5 to 40 ppm. However the NYDEC typically compares site concentrations of lead in soil to 50 ppm for cleanup objectives. Of the twenty-six soil samples analyzed for total cadmium only ten concentrations exceeded 50 ppm and only one concentration in sample B-49 (4'-7'), 130 ppm exceeded 50 ppm by more than two fold.

Arsenic concentrations were detected in five on-Site soils ranging from a low of 7.8 ppm to a high of 17 ppm in sample B-54 (8'-11'). Twenty-one of the twenty-six samples analyzed were below quantitative limit (BQL). Average background levels for arsenic in the Eastern USA Site Background (SB) specifically New York State range from 3 to 12 ppm. The TAGM cleanup objective for arsenic 7.5 ppm or site background (SB). Of the twenty-six soil samples analyzed for total arsenic only one concentrations, B-54 (8'-11) at 17 ppm exceeded New York State background of 12 ppm.

Selenium was below quantitative limit in all of the soil samples analyzed

Barium concentrations were detected in all of the on-Site soils sampled soils ranging from a low of 66 ppm to a high of 300. Average background levels for barium in the Eastern USA Site Background (SB) range from 15 to 600. The TAGM cleanup objective for barium is 300 ppm or site background (SB).

Mercury concentrations were detected three on-Site soils ranging from a low of 0.78 ppm to a high of 1.7 ppm in sample B-5B-28 (4'-6'). Twenty-five of the twenty-six samples analyzed were below quantitative limit (BQL). Average background levels for mercury in the Eastern USA Site Background (SB) range from 0.001 to 0.2 ppm. The TAGM cleanup objective for mercury is 0.1 ppm or site background (SB).

Silver concentrations were detected in six on-Site soils ranging from a low of 0.63 ppm to a high of 5.6 ppm in sample B-54 (8'-11'). Twenty of the twenty-six samples analyzed were below quantitative limit (BQL). Average background levels for silver in the Eastern USA Site Background are not available. The TAGM cleanup objective for silver is site background (SB).

CONECO performed sixteen (16) "hand-auger" borings across the approximately 12-acre "undisturbed parkland buffer" (Parkland) area. Figure 2 presents the approximate location of each hand auger. Each auger was advanced to a depth of 12 to 18-inches. CONECO collected composite soil samples from each location and submitted the samples to an analytical laboratory for analysis of RCRA 8 Total Metals. The sample results can serve as background concentrations for metals. However these soil samples were collected from only the top 12 to 18-inches of soil and may not represent Site soil metals background concentrations for soil located at deeper elevations. It is expected that background concentrations for metals in soils from deeper soil horizons will typically be higher than those found in the surficial soils located in the first 12 to 18-inches of ground. Analytical results for the RCRA 8 total metals are presented in Table 4.

Volatile Organic Compounds (VOCs):

Each soil sample collected from the *GeoProbe* borings was field screened for volatile organic compounds (VOCs). The "jar head-space" method was employed using a HNu Model HW-101 photoionization detector (PID) with a 10.2 eV lamp . The HNu-PID was calibrated before each day of borings using 100 ppm isobutylene calibration gas. PID readings are recorded in the field logs. No VOCs were detected in any of the soil samples field screened during sample retrieval. Subsequently no soil samples were submitted for laboratory analysis.

4.2 Groundwater Sample Collection and Analysis:

The 500 Mamaroneck Office Complex utilizes an on-Site groundwater supply well identified as W-1 to supply an on-Site aesthetic waterfall. It is reported that this groundwater supply well is approximately 350-feet deep. The Site Office Complex is serviced by City water. On May 29, CONECO sampled the supply well and submitted the sample to a NY State certified analytical laboratory for the following analyses; PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and volatile organic compounds (VOCs) by EPA Method 8260. Results of the groundwater analysis indicated that for all the parameters tested the results were all below quantitation limit (BQL).

On April 15, 1999 the groundwater supply well was re-tested in response to a NYDEC Comments Letter regarding previous groundwater sampling and analytical methods used by the consultant Dames and Moore. In response to the NYDEC comments letter, CONECO re-sampled and analyzed the on-Site groundwater supply well for full Target Compound List (TCL) parameters including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), BTEX (benzene, toluene, ethylbenzene, and xylenes), acid extractable compounds, pesticides/PCBs and Target Analyte List (TAL) inorganics.

Results of the April 15 groundwater sample analysis for the TCL and TAL parameters indicated that all parameters were below quantitation limit (BQL) with the exception of six naturally occuring metals. The six metals detected in the groundwater supply well are sodium, manganese, potassium, iron, calcium, and barium. The concentrations that these metals were detected are typical of naturally occurring metals in the subsurface environment.

4.3 Surface Water Sample Collection and Analysis:

The Site office complex property contain two manmade ponds referred to as the "upper pond", located east of the office complex, and the "lower pond", located south of the office complex and adjacent to Mamaroneck Avenue. On May 29, CONECO collected surface water and sediment samples from the upper and lower ponds. The pond surface water samples were analyzed for PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and VOCs by EPA Method 8260.

The surface water analytical results from both ponds indicated that for all the parameters tested the results were all below quantitation limit (BQL).

4.4 Pond Sediment:

CONECO collected composite sediment samples from each of the on-Site ponds. The sediment samples were collected using a stainless steel hand auger. The auger was decontaminated before and after each sediment sample was collected. The sediment samples was submitted to the laboratory for the following analysis; RCRA Total Metals, PCBs by EPA Method 8082, and PAHs by EPA Method 8270B.

Analytical results for the pond sediments indicated that PCBs were below quantitative limit (BQL) and PAHs were not detected. Of the eight RCRA Metals tested for, barium, cadmium, chromium and lead were detected at levels consistent with those detected in the sixteen background soil samples collected in the "undisturbed parkland buffer" (Parkland) area located on the eastern portion of the Site. Results of metals analysis for the soils in the Parkland area are discussed below. The individual metals detected in the sediment and their respective concentrations did not significantly deviate from the metals respective concentration levels detected in the Parkland soil samples. The Parkland soil samples represent the background concentrations for Site soils in the 0 to 18-inch soil horizon. Table 4 presents the RCRA 8 total metals concentrations detected in the pond sediments.

4.5 Parkland Buffer Area:

CONECO performed the Site reconnaissance and visual inspection of the eastern portion of the Site property referred to as the undisturbed parkland buffer (Parkland). A Site Plan dated February 28, 1983 (updated April 16, 1985), was used to identify the property lines and the abutting parcels of land. Approximately 12-acres of land was traversed. The reconnaissance began by following the southern property line for approximately 350-feet. Three abutting residences were identified to the south. The most western property line abuts a fourth very large residence. The western property line was followed heading north to an area identified as a utility easement on the 1983 Site Plan.

Adjacent to this utility easement is a private road, which leads to a fifth residence. The western property line was followed behind this residence until additional residential properties were encountered at the northeast corner of the Site. Five residential properties were identified along the north property line of the Site at which point a stone wall was encountered. A large pond is located approximately 70-feet west of the stone wall. The pond was static and appeared to be approximately 3 to 4-feet deep at the center. It appears that the pond may drain to the south. The water in the pond appeared to be clear and filled with downed tree limbs and leaves. No visible oily sheen or discoloration was observed. The pond is located approximately 100-feet behind the northern portion of the office complex paved parking area. The area in the central portion of the north end of the Parkland area was traversed where two very small ponds are located. The depth of water in each of these two ponds was less than one-foot at the time of the visit. Next the eastern property line was followed until the Site was exited at the southwest.

The entire Parkland is very heavily covered with established vegetation and woodlands. At the time of the Site reconnaissance no on-Site evidence of the use, disposal and/or storage of oil or hazardous materials was observed on the property including the use of aboveground and underground storage tanks. No evidence of distressed vegetation or stained soil was observed across the entire Parkland area.

CONECO performed sixteen (16) "hand-auger" borings across the approximately 12-acre area. Figure 2 presents the approximate location of each hand auger. Each auger was advanced to a depth of 12 to 18-inches. CONECO collected composite soil samples from each location. All of these soil samples were field screened for volatile organic compounds (VOCs) by "jar headspace" technique using an HNu photoionization detector (PID) with a 10.2 eV probe. The PID did not detect any VOC readings above background, 0.0 units, as calibrated with isobutylene calibration gas. The sixteen soil samples were submitted to the analytical laboratory for analysis of PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and RCRA Total Metals.

Results of the analysis indicated that PAHs were not detected (ND) and PCBs were below quantitative limit (BQL) for all sixteen soil samples. Results of the RCRA Metals analysis are presented in Table 4. Metals detected include barium, cadmium, chromium and lead.

Also presented in Table 4 are the Eastern USA Site Background (SB) levels and the NYDEC TAGM suggested clean-up levels for these metals. Regarding lead levels, average site background levels in metropolitan areas or areas near highways, such as the Site, are much higher and typically range from 200-500 ppm. NYDEC typically compares analytical results for total metals for lead, cadmium and chromium to 1,000 ppm, 10 ppm, and 50 ppm respectively.

In general, the levels of barium, cadmium, chromium and lead detected in the soils of the Parkland area are consistent with the levels presented in TAGM 4046 regarding Eastern USA site background and NYDEC cleanup levels.

5.0 Findings and Conclusions

The subsurface investigation included the performance of fifty-nine (59) *GeoProbe* borings located across the entire office complex portion of the Site and sixteen (16) hand-auger borings on the undisturbed parkland buffer (Parkland) area located east of the office complex. In addition, groundwater, surface waters, and pond sediments were sampled and analyzed in and effort to characterize the Site soil and groundwater quality. The following observations can be made:

- Each *GeoProbe* boring was advanced on average to a depth of 10-feet or until refusal. Soil samples were collected at 2-foot intervals in each soil borings. Field logs were prepared for each of the borings. The field logs identify a layer of unnatural fill material across the majority of the Site. The identified fill material is mixed with miscellaneous debris. The debris observed typically contains amounts of small metal pieces, coal ash like material, cinders, partially combusted wood and paper/corrugated box, glass pieces, melted glass pieces, and plastics. The depth at which this layer of material was located is dependent on the depth to bedrock in the area of each boring location.

- The referenced debris was encountered in the following borings and respective depth below grade: B-3 (4'-7'), B-4 (4'), B-5 (4'), B-10 (2' and 6'-8'), B-13 (2'-4' and 8'-12'), B-17 (2' and 2'-4'), B-18 (4'), B-19 (2' and 4'-8'), B-20 (2'), B-21 (3'), B-23 (2'), B-25 (4'), B-28 (2' and 4'-6'), B-24A (4' and 11'-12'), B-39 (4'), B-29 (3' and 4'-5'), B-41 (4' and black tar-like material at 5'), B-49 (6"), B-50 (4'-5.5'), B-51 (9.5'), B-52 (4'-7'), B-53 (4'-8'), B-54 (4', 5' and 8'-11') and B-57 (3'). Locations of these borings are provided in Figure 1.

- In almost all instances the debris material contained in the soil samples exhibited no odors or characteristics of petroleum product contamination. PID screening of the debris to detect volatile organic compounds (VOCs) was consistently not detected.

- The soil samples selected for laboratory analysis were based on the immunoassay test results; previous analytical data performed by others; and field observations made during sample retrieval. Soil samples were laboratory analyzed for PAHs, PCBs, and total metals. Analytical results for the Site soil primarily detected PAH contamination. A total of thirty soil samples were submitted for CPAH laboratory analysis. Table 1, presents the results of the CPAH analytical testing. Nine soil samples are above the TAGM 4046 cleanup objective of 1.0 ppm used by the NYDEC to determine the necessity for remediation. Concentrations of total CPAHs above the 1.0 ppm objective ranged from 2.39 ppm in boring B-53 (4'-8') to 93.89 ppm in B-19 (2'-4').

- Soil Boring locations where concentrations of total CPAHs exceeded the 1.0 ppm objective are as follows: B-3 (2'-4') 6.47 ppm, B-19 (2'-4') 3.89 ppm, B-21 (0'-3') 15.9 ppm, B-41 (4'-6') 36.39 ppm, B-49 (0'-4') 11.48 ppm, B-51 (0'-4') 18.9 ppm, B-51 (4'-6.5') 21.02 ppm, B-54 (0'-4') 11.47 ppm, and (4'-8') 2.39 ppm).

- Samples collected from B-19, B-21, B-49 and B-51 are located directly in areas were elevated levels of PAHs were identified by previous sampling and analysis performed by ERM. The specific locations of the ERM borings are identified as GP-11, GP-12 and GP-13. These borings are located along the southern edge of the Office Complex parking lot. Samples collected from B-54 and B-41 are also located directly in the area of ERM boring GP-20 were elevated concentrations of CPAHs were previously detected.

- The TAGM PCB soil cleanup objectives of 1.0 mg/kg (ppm) for surface soils and 10 ppm for subsurface soils were not exceeded in any of the soil samples tested.

- Although some of the individual metals concentrations from the TAL analytical testing exceed the TAGM cleanup objectives and the Eastern United States Site Background (SB) levels or NY State background levels where available. It is not likely that metals contamination will be the driving force behind and potential future soil remediation actions.

- The soil sample results from the Parkland area of the Site do not exhibit and evidence of contamination from the historical uses of the Site. No PAHs or PCBs were detected above the laboratory quantitative limit. No VOCs were detected from field screening of the soils with a PID. In addition, metals concentrations detected are typical of background concentrations for metals naturally occurring in the environment. However these soil samples were collected from the top 12 to 18-inches of soil and may not represent Site metals background concentrations for soil located at a depths from which soil was collected on the office complex area of the Site. It is expected that background concentrations for metals in soils from deeper soil horizons will typically have higher concentrations than those found in the surficial soils located in the first 12 to 18-inches of ground.

- The on-Site groundwater supply well (W-1) was sampled and submitted to a NY State certified analytical laboratory for full Target Compound List (TCL) parameters including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), BTEX (benzene, toluene, ethylbenzene, and xylenes), acid extractable compounds, pesticides/PCBs and Target Analyte List (TAL) inorganics. Results of the groundwater sample analysis for the TCL and TAL parameters indicated that all parameters were below quantitation limit (BQL) with the exception of six metals. The metals detected included sodium, manganese, potassium, iron, calcium, and barium. The detected concentrations of these metals are typical of naturally occurring metals in the subsurface soils.

- Surface water from the upper pond, located east of the office complex, and the lower pond, located south of the office complex was collected and analyzed for PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and VOCs by EPA Method 8260. The surface water analytical results from both ponds indicated that for all the parameters tested the results were below quantitation limit (BQL).

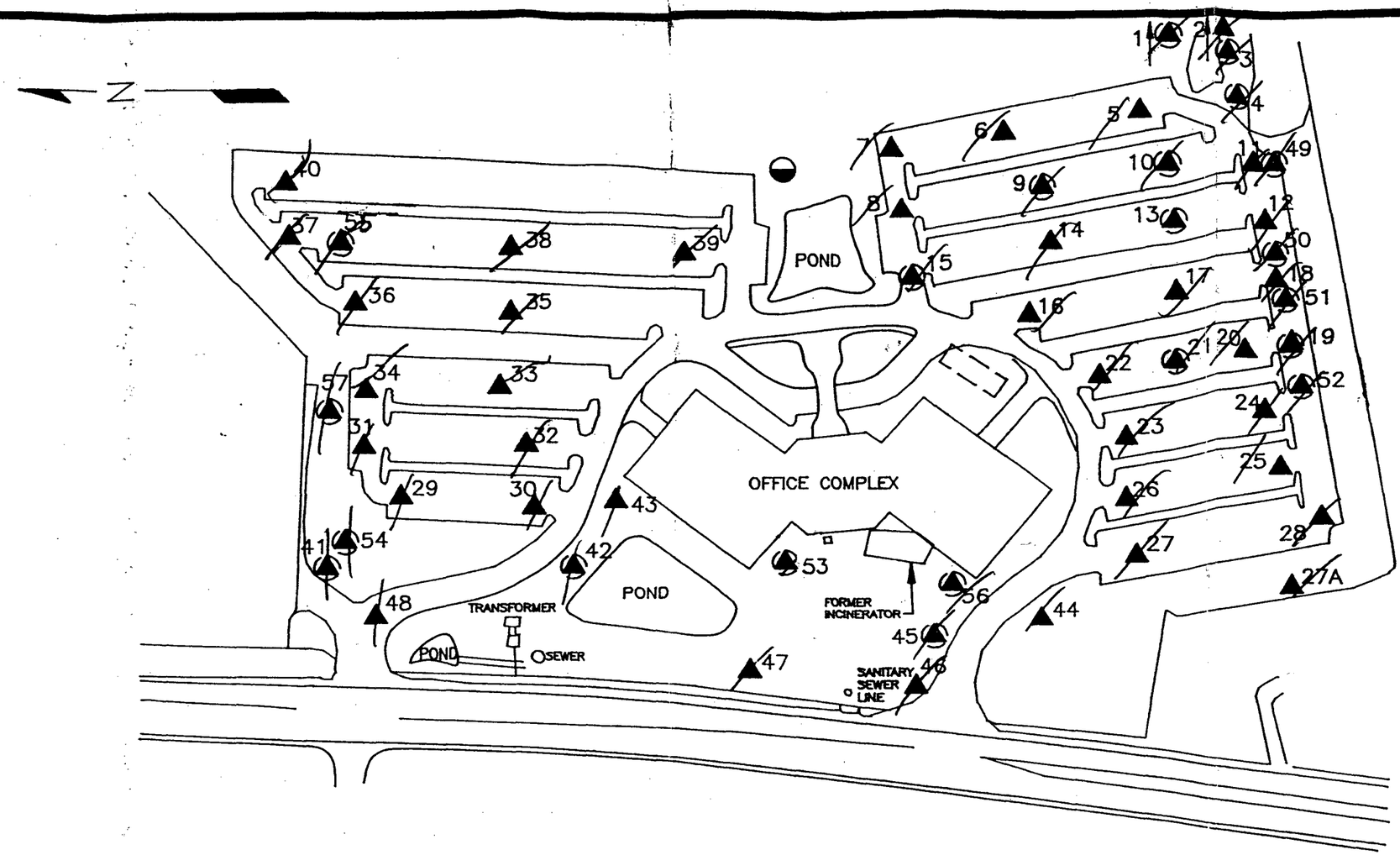
- Composite sediment samples were collected from each of the office complex ponds and submitted to the laboratory for the following analysis; RCRA Total Metals, PCBs by EPA Method 8082, and PAHs by EPA Method 8270B. Analytical results for the pond sediments indicated that PCBs were below quantitative limit (BQL) and PAHs were not detected. Of the eight RCRA Metals tested; barium, cadmium, chromium and lead were detected at levels consistent with those detected in the sixteen background soil samples collected in the Parkland area. The individual metals detected in the sediment and their respective concentrations did not significantly deviate from the individual metal concentration levels detected in the Parkland soil samples.

6.0 Limitations

The findings provided by CONECO in this report are based solely on the references cited, results of analytical testing, and observations made during the field investigation. Observations were made under the conditions stated. The purpose of this study was to establish via a limited scope of work whether there is evidence that a release of oil or hazardous materials has occurred at the Site or that a threat of release exists. This report represents the factual findings relative to such evidence. No attempt was made to investigate Site owner or operator compliance with federal, state, or local laws and regulations in connection with Site usage.

Because certain materials are considered by public health officials as presenting significant hazards in indoor environments, and where simple observations or other evidence has allowed, CONECO has indicated their potential presence on the Site in this report. However, unless specifically stated in the scope of work, CONECO has not performed specific testing or analysis to determine the presence or concentration of asbestos, lead-based paint, urea formaldehyde, or radon.

Should additional information become available concerning this Site or neighboring properties in the future, that information should be made available to CONECO for review so that the findings presented in this report may be modified as necessary.



GROUNDWATER SUPPLY WELL

CONECO SAMPLING LOCATIONS – 1999 (FIELD SCREENED & LABORATORY ANALYSES)

CONECO SAMPLING LOCATIONS – 1999 (FIELD SCREENED)

TITLE

CONECO
GEOPROBE BORING
LOCATIONS

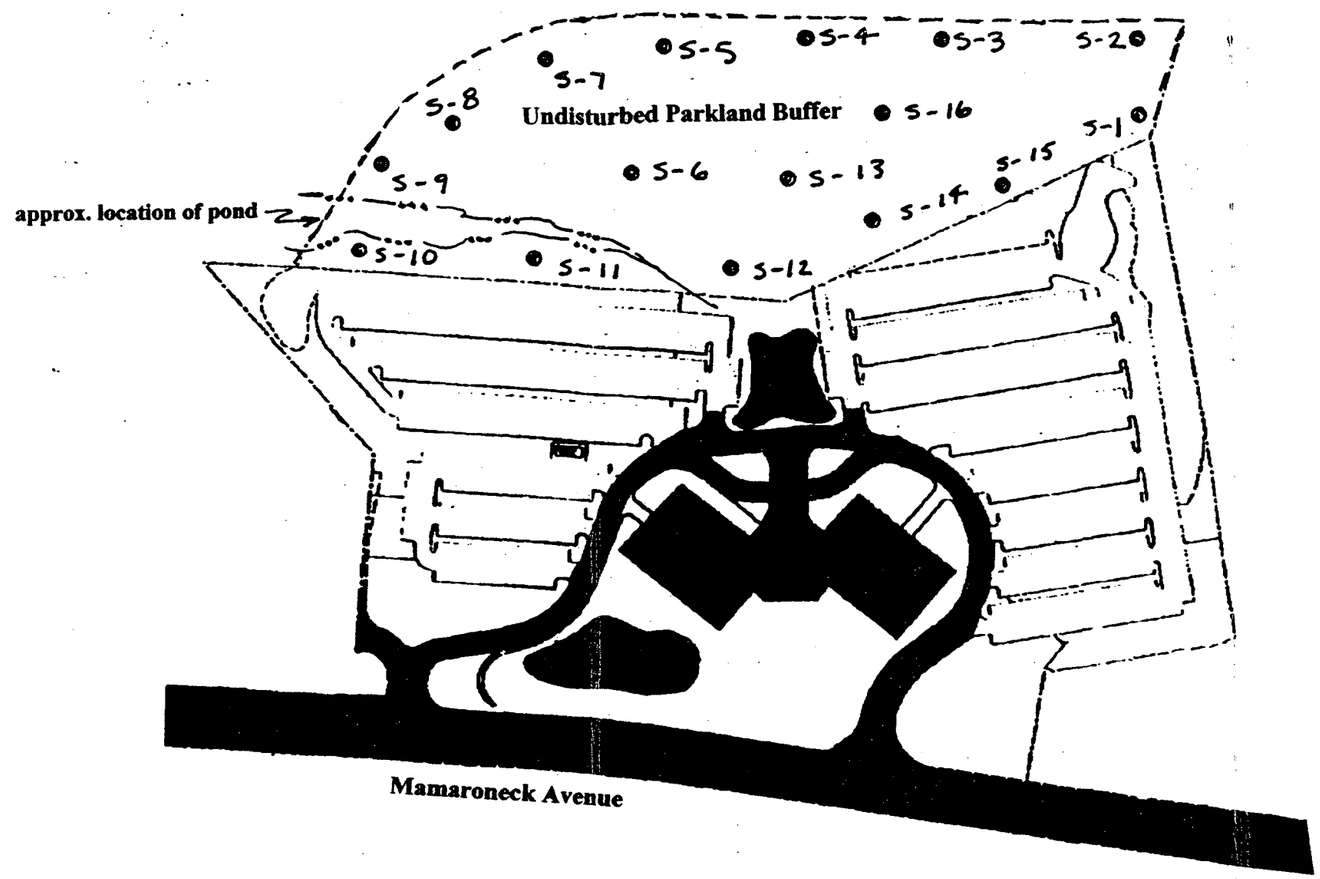
PREPARED FOR

W & M PROPERTIES OF CT, INC.

CONECO Engineers & Scientists

SCALE	FIGURE
NONE	1

DRAWN:	JOB NO.:	FILE NAME:	DATE
T.F.M.	3551–CT	3551–CT	5/6/99



TITLE

CONECO
HAND AUGER BORING
LOCATIONS

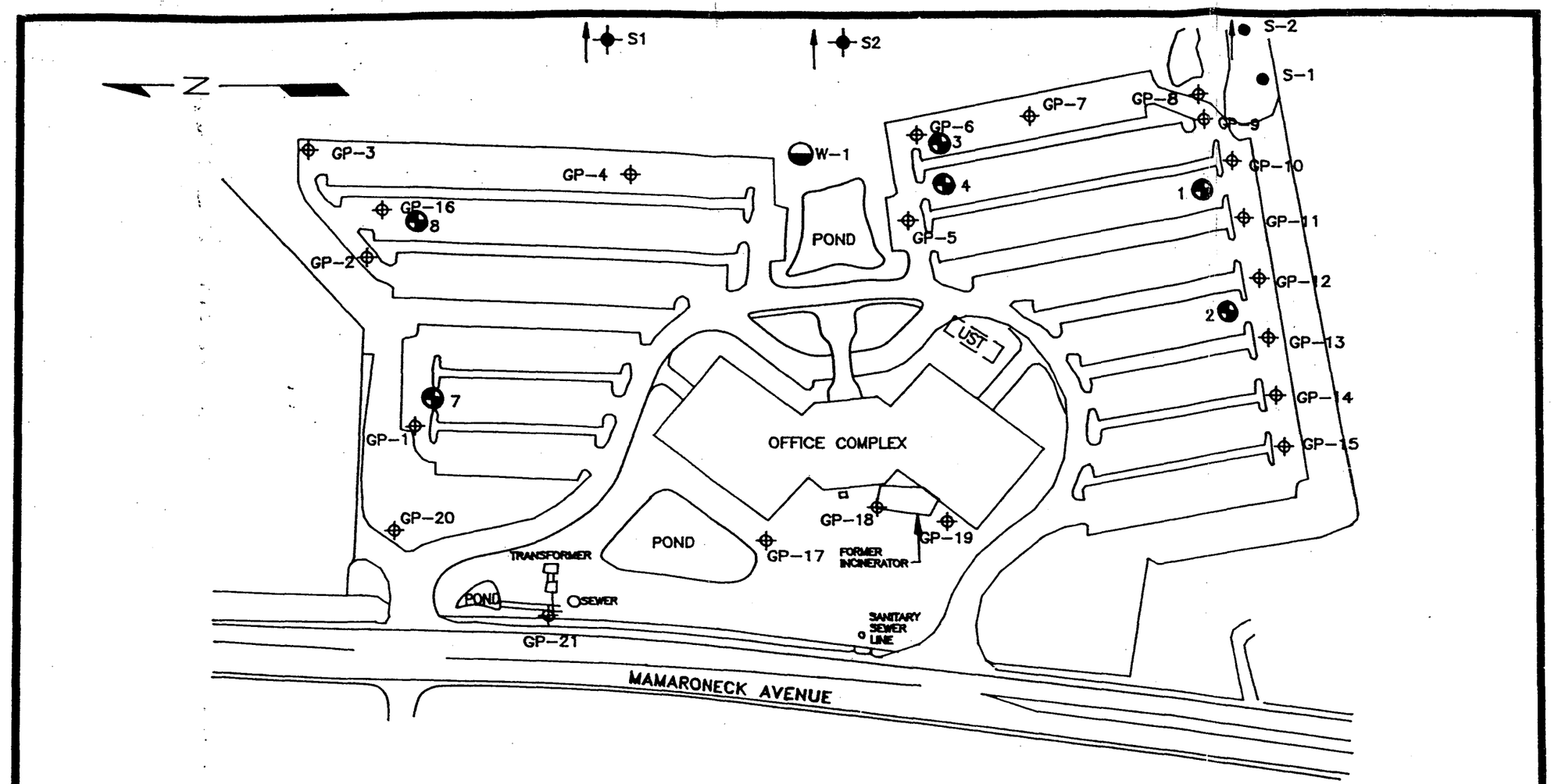
PREPARED FOR

W & M PROPERTIES OF CT, INC.

CONECO Engineers & Scientists

SCALE	FIGURE
NONE	2

DRAWN:	JOB NO.:	FILE NAME:	DATE
T.F.M.	3551-CT	3551-CT	5/6/99



ERM BORING LOCATIONS – 1998

DAMES & MORE SAMPLING LOCATIONS – 1998

U.S. HYDROGEOLOGIC, INC. SAMPLING LOCATIONS – 1989

GROUNDWATER SUPPLY WELL

GZA SAMPLING LOCATIONS – 1986

TITLE

ERM and DAMES & MOORE GEOPROBE BORING LOCATIONS

PREPARED FOR

W & M PROPERTIES OF CT, INC.

CONECO Engineers & Scientists

SCALE	FIGURE
NONE	3

DRAWN:	JOB NO.:	FILE NAME:	DATE
T.F.M.	3551-CT	3551-CT	5/6/99

TABLE 1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs), Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-3 2'-4'	B-4 4'-6'	B-9 0'-1'	B-10 6'-8'	B-13 12-16	B-15 0'-1'	B-19 2'-4'	B-21 0'-3'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	B-41 0'-4'	B-1 2'-4'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	1.5	ND	1.0	ND	130	ND	ND
Benzo(a)anthrecene	0.73	ND	ND	ND	ND	ND	6.3	1.2	1.9	ND	150	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	10	1.3	1.2	ND	91	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	5.1	1.3	1.8	ND	95	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	3.9	ND	0.77	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	10	1.4	2.2	ND	130	ND	ND
Chrysene	0.84	ND	ND	ND	ND	ND	7.8	1.4	2.1	ND	150	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Fluoranthene	2.0	ND	ND	ND	ND	ND	18	3.4	9.5	ND	670	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	0.79	ND	0.86	ND	180	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	0.76	ND	74	ND	ND
Phenanthrene	1.0	ND	ND	ND	ND	ND	6	2.0	7.6	ND	640	ND	ND
Pyrene	1.9	ND	ND	ND	ND	ND	19	3.9	6.7	ND	460	0.7	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	ND	ND
Total CPAHs ppm =	**6.47**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**93.89**	**15.9**	**36.39**	**0.0**	**2,784**	**0.7**	**0.0**

* = black tar-like material
As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs) (continued)

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-49 0'-4'	B-50 0'-4'	B-50 4'-8'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthrecene	0.88	ND	ND	1.7	1.6	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	1.8	1.6	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	1.0	ND	ND	2.0	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	1.7	1.5	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.2	ND	ND	1.8	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3.0	ND	ND	3.6	4.0	ND	ND	ND	ND	3.0	0.9	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1.8	ND	ND	2.3	3.4	ND	ND	ND	ND	2.2	0.72	ND	ND	ND	ND	ND	ND
Pyrene	2.5	ND	ND	4.0	4.0	ND	ND	ND	ND	2.4	0.77	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CPAHs ppm =	**11.48**	**0.0**	**0.0**	**18.9**	**21.02**	**0.0**	**0.0**	**0.0**	**0.0**	**11.47**	**2.39**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 2 Polychlorinated Biphenyls (PCBs) Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-18 0'-4'	B-19 2'-4'	B-24 0'-3'	B-28 4'-6'	B-24A 8'-10'	B-39 0'-4'	B-35 4'-7'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	1.2 ppm	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

* = black tar-like material

TABLE 2 Polychlorinated Biphenyls (PCBs), (continued)

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-50 4'-5.5'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	0.9 ppm	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 2 Polychlorinated Biphenyls (PCBs) (continued)

500 MAMARONECK AVENUE, HARRISON, NY

PCBs ppm	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	0.160 ppm	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 3 Target Analyte List (TAL) METALS Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

TAL Metals ppm	B-3 2'-4'	B-18 0'-4'	B-19 2'-4'	B-31 0'-2'	B-41 4'-6'	B-28 4'-6'	B-39 0'-4'	B-47 0'-3'	B-48 4'-6'	B-41* 5'	Eastern USA SB	NYDEC TAGM
Silver	0.87	2.6	0.63	BQL	BQL	BQL	BQL	BQL	BQL	0.60	N/A	SB
Aluminum	9,900	9,100	8,800	16,000	16,000	11,000	15,000	13,000	15,000	17,000	33,000	SB
Arsenic	BQL	BQL	BQL	BQL	7.8	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	87	290	110	300	260	240	270	190	230	190	15-600	300 or SB
Beryllium	0.51	0.69	0.51	0.73	0.88	0.48	0.72	0.54	0.59	0.68	0-1.75	0.16 (HEAST) or SB
Calcium	13,000	11,000	7100	5,500	11,000	6700	7,000	5,500	5,500	4,700	130-35,000***	SB
Cadmium	4.8	16	6.2	8.2	17	5.4	9.8	6.7	7.4	7.3	0.1-1	1 or SB
Cobalt	7.1	4.3	7.7	13	11	7.0	13	11	12	11	2.5-60**	30 or SB
Chromium	26.0	26	18.0	72	49	27	76	65	65	56	1.5-40**	10 or SB
Copper	22.0	230	110	26	120	27	61	23	26	21	1-50	25 or SB
Iron	15,000	50,000	20,000	28,000	55,000	17,000	31,000	23,000	26,000	24,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	0.78	BQL	BQL	1.7	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	2900	670	3300	12,000	5,000	3,000	12,000	10,000	10,000	7,600	8,500-43,000	SB
Magnesium	12,000	1,400	3600	15,000	7,500	6600	15,000	12,000	13,000	11,000	100-5,000	SB
Manganese	250	340	260	410	410	310	400	330	400	300	50-5,000	SB
Sodium	3700	2,200	1400	1,400	270	270	510	130	210	180	6,000-8,000	SB
Nickel	13.0	18	15.0	28	30	15	31	26	24	23	0.5-25	13 or SB
Lead	27.0	910	71	21	540	470	62	17	9	21	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	25.0	11	23.0	51	38	30	52	43	48	45	1-300	150 or SB
Zinc	56.0	670	340	79	370	200	150	62	49	65	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

* = black tar-like material N|A = Not Available

TABLE 3 Target Analyte List (TAL) METALS (continued)

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-51 0'-4'	B-51 4'-6.5	B-52 0'-4'	B-52 4'-7'	B-53 0'-4	B-53 4'-8'	Eastern USA SB	NYDEC TAGM
Silver	BQL	1.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	12,000	7,200	13,000	7,700	7,300	12,000	15,000	11,000	14,000	33,000	SB
Arsenic	12	12	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	250	670	170	75	170	180	79	120	140	15-600	300 or SB
Beryllium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.55	BQL	0-1.75	0.16 (HEAST) or SB
Calcium	7,300	17,000	6,400	20,000	18,000	13,000	1,300	3,300	3,400	130-35,000***	SB
Cadmium	12	39	15	6.2	8	15	5.4	6.6	7.2	0.1-1	1 or SB
Cobalt	11	10	12	6.7	5.71	12	7.8	8.7	11	2.5-60**	30 or SB
Chromium	42	130	52	16	20	39	29	30	41	1.5-40**	10 or SB
Copper	280	380	160	24	54	120	14	45	24	1-50	25 or SB
Iron	33,000	93,000	43,000	18,000	23,000	45,000	17,000	19,000	22,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	5,000	750	5,500	2,100	1,600	3,700	1,200	2,900	5,000	8,500-43,000	SB
Magnesium	7,400	2,100	9,900	4,600	3,000	7,000	5,500	6,000	8,000	100-5,000	SB
Manganese	420	700	480	330	320	460	140	340	360	50-5,000	SB
Sodium	980	810	2,000	710	830	560	360	55	82	6,000-8,000	SB
Nickel	23	72	27	12	14	27	12	17	20	0.5-25	13 or SB
Lead	790	1,400	170	120	1,000	200	11	43	27	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	46	24	40	21	17	40	30	30	39	1-300	150 or SB
Zinc	380	2,000	270	96	460	290	43	80	62	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

N|A = Not Available

TABLE 3 Target Analyte List (TAL) METALS (continued)

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'.	B-57 0'-3'	S-5 SB	Eastern USA SB	NYDEC TAGM
Silver	BQL	0.76	5.6	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	14,000	8,000	5,500	6,800	16,000	11,000	15,000	13,000	16,000	33,000	SB
Arsenic	BQL	9.5	17	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	190	250	260	66	150	160	230	220	120	15-600	300 or SB
Beryllium	BQL	0.92	BQL	0.42	0.82	0.78	0.59	0.60	0.87	0-1.75	0.16 (HEAST) or SB
Calcium	24,000	9,900	19,000	13,000	2,300	3,500	4,800	12,000	390	130-35,000***	SB
Cadmium	7.6	24	35	5.4	8.2	13	9.4	10	6.9	0.1-1	1 or SB****
Cobalt	11	10	15	5.7	11	11	14	11	6.5	2.5-60**	30 or SB
Chromium	61	34	43	13	53	38	65	56	33	1.5-40**	10 or SB
Copper	25	200	1,600	18	23	62	28	84	9.2	1-50	25 or SB
Iron	23,000	56,000	94,000	16,000	24,000	39,000	28,000	29,000	18,000	2,000-555,000	2000 or SB
Mercury	BQL	0.78	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	8,400	1,700	700	1,300	2,600	3,800	11,000	8,900	430	8,500-43,000	SB
Magnesium	15,000	3,800	1,000	6,400	8,200	6,600	13,000	15,000	3,800	100-5,000	SB
Manganese	340	550	900	290	540	560	420	400	280	50-5,000	SB
Sodium	170	230	990	130	44	59	97	260	0.00	6,000-8,000	SB
Nickel	26	49	56	10	22	23	24	24	11	0.5-25	13 or SB
Lead	31	450	780	45	39	150	23	72	14	****	SB****
Antimony	BQL	BQL	BQL	BQ	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	43	70	11	18	41	34	53	45	31	1-300	150 or SB
Zinc	70	1,700	1,200	59	80	180	63	160	36	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10.0 ppm and Chromium to 50 ppm.**

N|A = Not Available

TABLE 4 RCRA: Total Metals, CPAHs, PCBs

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)
Soil Samples from Undisturbed Parkland Buffer, East of Office Complex. (Hand Auger).

TAL Metals Ppm	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	Upper Pond Sediment	Eastern USA SB	DEC TAGM
Silver	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Arsenic	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	97	76	64	100	120	120	130	95	180	15-600	300 or SB
Cadmium	7.3	8.5	8.2	8.4	6.9	9	8.4	10	11	0.1-1	1 or SB****
Chromium	30	27	34	36	33	57	42	72	52	1.5-40**	10 or SB****
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Lead	20	13	16	9	14	8.4	9.4	27	78	****	SB****
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
CPAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCBs	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL		

TAL Metals ppm	S-9	S-10	S-11	S-12	S-13	S-14	S-15	S-16	Lower Pond Sediment	Eastern USA SB	DEC TAGM
Silver	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Arsenic	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	130	81	90	91	120	230	150	59	160	15-600	300 or SB
Cadmium	12	8	9.5	8.7	8.4	10	8.3	6.4	11	0.1-1	1 or SB****
Chromium	64	22	41	28	41	49	32	25	69	1.5-40**	10 or SB****
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Lead	9.5	7.5	15	13	16	21	10	6	32	****	SB****
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
CPAHs	ND	ND	ND	ND	NDN	ND	ND	ND	ND		
PCBs	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL		

SB = Site Background. ** = New York State Background.

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

TAL.=. Target Analyte List, (inorganic).

BQL = below quantitative limit. ND = None Detected. N\A = Not Available.

PROPERTY PHOTOGRAPHS

Photo #1 – Boring Location No. 43 northeast corner of Site Building (Installation of clean plastic sampling sleeve into Geoprobe MacroCore).

Photo #2 – Geoprobe sampling vehicle – Brooks Laboratories, Inc.

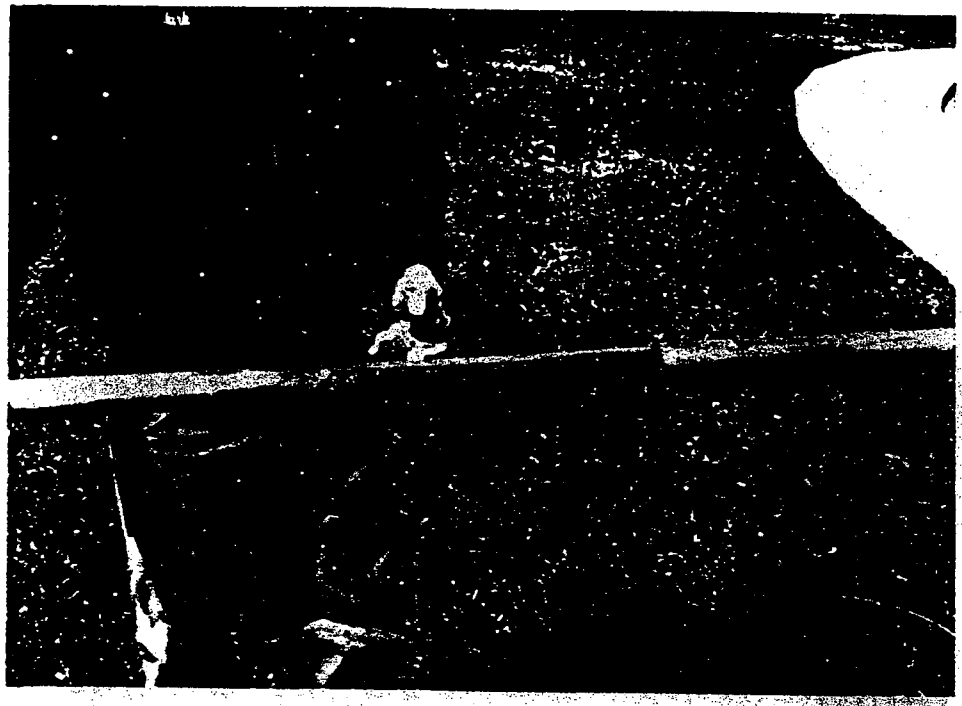


Photo # 3 – Geoprobe MacroCore soil sampling sleeve retrieval.

Photo #4 – Typical soil sample retrieval, 0 to 4'.

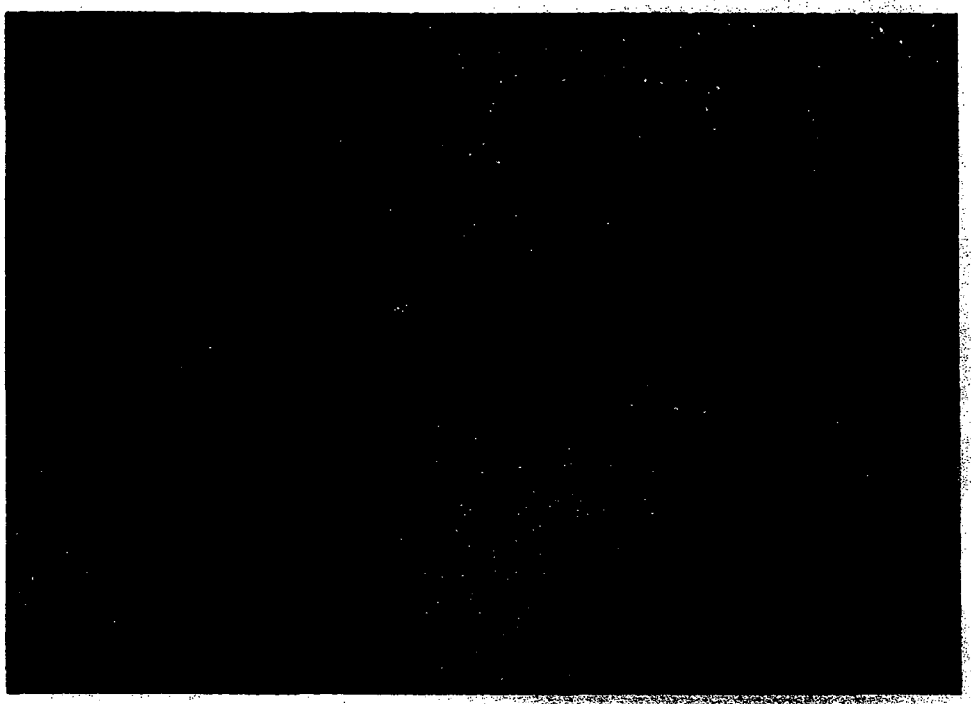


Photo #5 – Typical Geoprobe MacroCore soil sample.

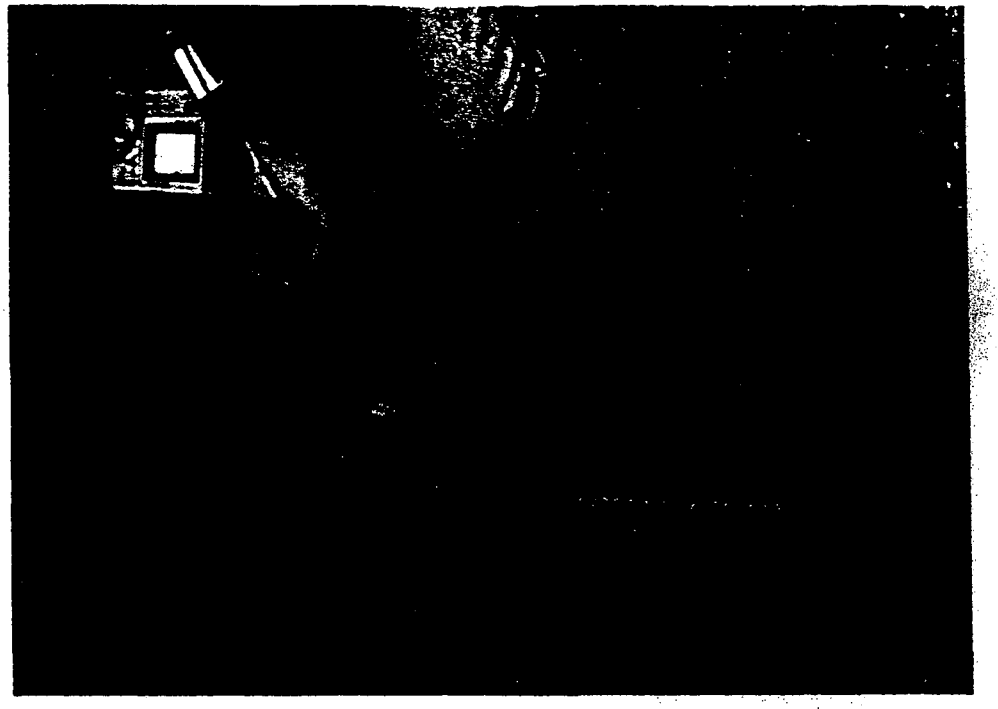


Photo #6 – Field screening soil boring for volatile organic compounds with HNu photoionization detector (PID).

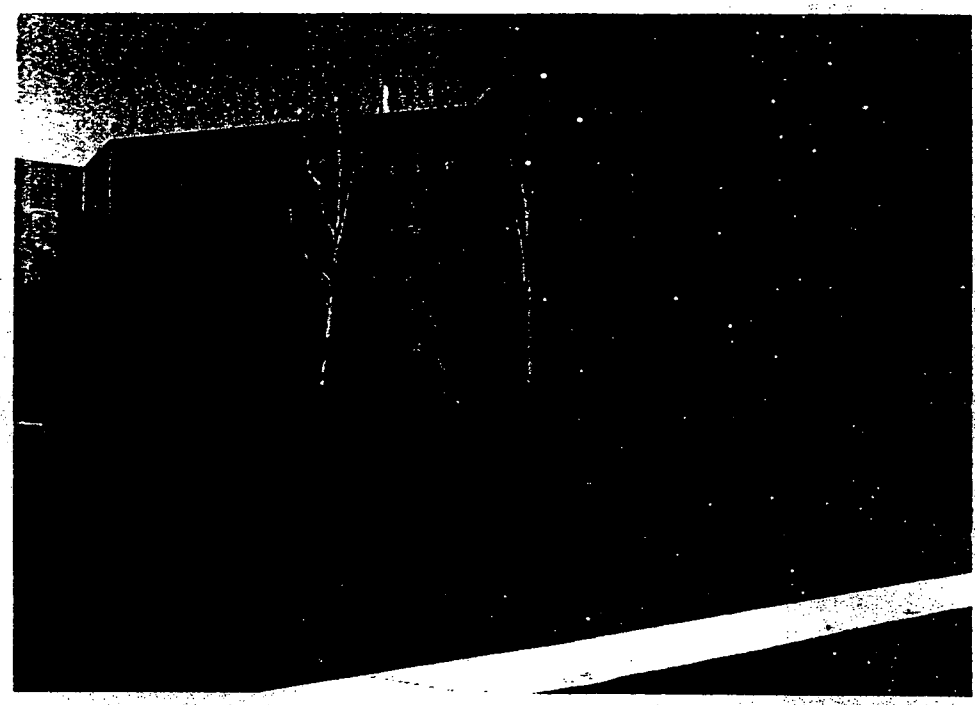


Photo # 7 – 500 Mamaroneck Avenue, Harrison, NY Office Complex View facing northeast (boring locations 45, 46, 53 and 56).

Photo #8 – Boring location No.s 46 and 47.

Photo #9 – View looking Southeast, Boring location No.s 5 and 6.

Photo #10 – View looking northeast, boring location No. 40.

Photo # 11 – View looking south, Boring location No.s 38 and 39.

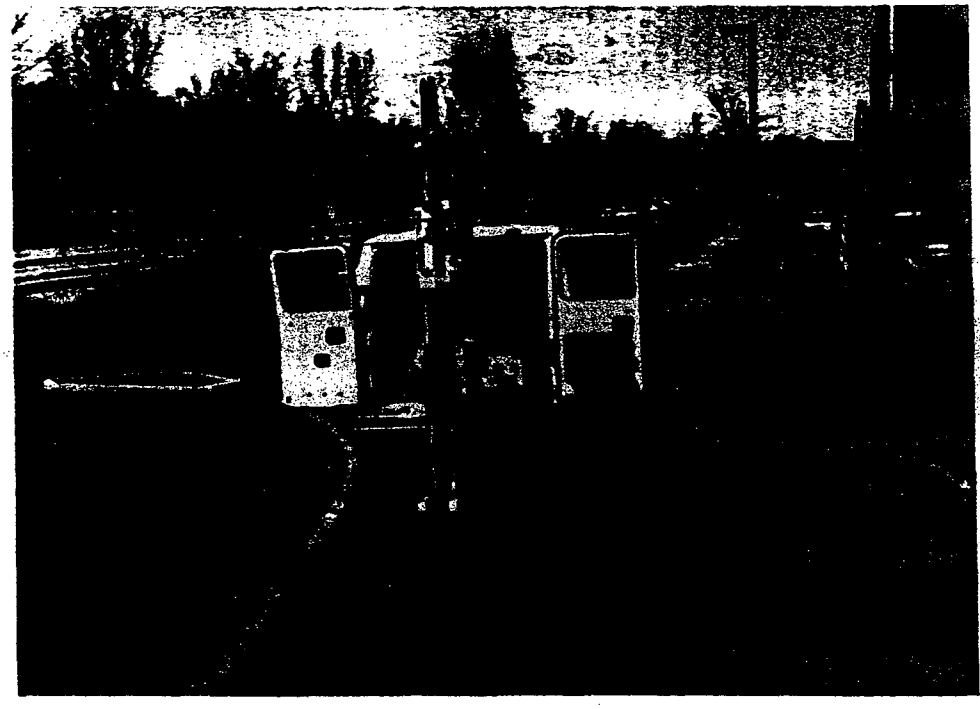


Photo #12 – Geoprobe Boring No. 48, View looking Northwest.

CONECO FIELD LOG

Project Name: W & M Properties, Inc. **Date:** March 29, 1999

Project No.: 3551-CT **Location:** 500 Mamaroneck Ave. Harrison, NY

Coneco Engineer: M. Feldman **Subcontractor:** Brooks Labs, Inc.

Description of Work: Geoprobe soil boring.

Coneco & Brooks on-site @ 8:30 am
Calibrate HNu PID with 100ppm isobutylene
background 0.0 units

B-3:

0-2': fill material, some coal ash like material
60% sand & gravel moist, no odor PID: 0.0
2-4': fill material to 3', some coal ash
80% material mixed in. Native material
@ approximately 4', 15% fines PID: 0.0
trace of gravel wood, metal debris
4'-7' m-f sand/fill coal ash, wood debris
80% semi-plastic PID screening 0.0 units

B-4: 0-4'
80% Gravel, silty-sand (GSS) fill dirt
pieces of ash to ≈ 4' m-f sand
at 4'. 10-15% sp-fines, trace gravel
color medium brown to gray

Project No. 3551-CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

damp material @ 5'

4-6': same as 0-4' PID 0.0 units

80%

6-8': m-f sand, trace npf 5-10%

80% sand & gravel, grey color.

ledge encountered @ 8'

PID 0.0 units

B-5:

0-4' GSS fill material, plastic, glass

70% black color ash material. very black color. PID: 0.0 units

4-5' refusal @ 5' ledge PID 0.0 units

90%

B-6:

0-2' fill material, brown color, silty sand

medium to fine sand, 10-15% spf.,

10-15% sand, gray color, moist.

refusal (ledge @ 1.5')

Project No. 3551-C7
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-7

0-1.5' fill material, medium-fine sand
60% refusal @ 1.5' ash material
color darkbrown/black. PID: 0.0 units

B-8:

0-4' 3-inches of medium-fine sand under
90% asphalt followed by fill material. 3"
brown sand 0-2' black gravel silty
sand, some ash, some white quartz
like rock. PID 0.0 units
4-8' 1-foot recovery fill materia
gravel/silty-sand PID 0.0 units

8-9.5' ledge @ 9.5' same as above
PID: 0.0 units PID battery check good

B-9

0-1' refusal @ 1' 3 attempts
fill material gravel silty sand.
black/gray material.

Project No. 3551-CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-10

0-2' fill material medium to fine sand

rec. 90% 5-10% spf, 15-20% sand & gravel PID:0.0

ash material, red & brown color.

90% 2-4' gravel silty sand dark brown color

PID 0.0

90% 4-6' gravel silty sand dark brown color

PID 0.0

90% 6-8' wood, glass, plastic, metal

some fill material PID 0.0

B-11

0-2' refusal @ 2'

Black color fill material, ash glass

gravel & silty sand wet @ 1'

PID: 0.0

B-12 refusal @ 4" NO sample collected

B-13 0-2' Dark Brown gravel silty sand

fill material

Project No. 3551-C1
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

2-4' Dark Brown/Black fill material
80% glass, ceramic ash/coal PID: 0.0
4-8' Black fill material, wet. glass & coal
80% @ 8' PID 0.0
8-12' subangular gravel (SA)
90% ceramic, coal, metal, glass, asphalt
material PID: 0.0
12-16' Dark brown/black fill material
80% PID 0.0 metal, glass, ceramic (rust color @ 13')
16'-20' Gray/Brown clay, fine-silty sand
80% 10-15% semi-plastic fines (spf).
No gravel, mottled. PID 0.0

B-14 Two (2) refusals after 1' (ledge).
No sample brown/black fill material

B-15 Two (2) refusals after 1'
0-1' fill material black coal ash

B-16 refusal @ 1'

fill material gravel, silty sand
dark brown coal ash & coal.

Project No. 3551 - CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-17 Fill material
0-~~4~~ 2': dark brown gravel silty sand (gss)
60% glass, coal ash. PID: 0.0

2-4': more fill material, loose fill @ 3'
80% w/ metal & glass, coal ash ceramics
denser wet fill @ 4' PID: 0.0

4-7' wet GSS fill material black
60% loose gravely fill @ 7', mottling
PID: 0.0
60% 7-10' native material silty sand clay-like
mottling gray with mottles
very plastic PID 0.0 units
50% 10-13' mottled gray/brown fine to med.
sand no gravel, trace fines
PID 0.0 units

B-18 0-4 Fill material brown/black
refusal @ 4' contains glass, plastic
metal.
PID reading 0.0 units

Project No. 3551-CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-19

80% 0-2 fill material black/brown with glass
PID 0.0 units

80% 2-4' looser fill material medium to coarse sand
PID 0.0 units

4-8' fill material coal ash, metal, plastic
ashes @ 8' partially burned paper.
PID 0.0

60% 8-10' Refusal @ 10' fill material
rusty metals glass PID 0.0

B-20 0-2' fill material to 2' coal ash
40% weathered coal ash just below
asphalt surface. lt. brown silty
sand PID 0.0

B-21

60% 0-3' brown fill material to 3'
some glass, coal ash.

Project No. _____
Date: _____

CONECO FIELD LOG (continued)

Description of Work (continued):

B-22

0-2' Fill material with rock
50% refusal @ 2' ledge
gray fines / silt PID: 0.0

B-23

0-2' Fill material gray / black
50% refusal @ 3' bedrock / ledge
coal ash / glass PID: 0.0 units

B-24

0-3' Fill material brown & pulverized ledge
refusal @ 2' & 3' (second try)
PID: 0.0 units

B-25

0-4' Fill material dark brown/black
metal & glass, wood @ 4' resistance/
no odor PID: 0.0 refusal @ 4'

Project No. 3551-C1
Date: 1/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-26 refusal @ 9-inches no sample collected
fill material

B-27 0-1' refusal @ 1-foot no sample collected
fill material GSS light brown

B-27A 0-2' Top soil to ≈ 1' fill material
GSS to 4' refusal at 4'
PID: 0.0 units fill material coal ash

B-28 0-2' fill material dark brown/black
coal ash PID 0.0 units
2-4' fill to ≈ 4'
PID: 00
4-6' more fill material coal ash, ceramic
nylon rope PID: 0.0
6-8' wet @ ≈ 7' more fill GSS
PID: 0.0

B-24A
0-4' Dark brown/gray GSS to 4'
rocks @ 2' + 3'
Glass, coal ash

Project No. 3551-C1
Date: 3/29/99 - 3/

CONECO FIELD LOG (continued)

Description of Work (continued):

B-24 A

4'-8' SAA PID 0.0 units

8'-12' 8-9' light brown fill (full of glass

9-11' dark brown

11-12 red/brown glass coal?

PID: 0.0 unit no odor

3/30

S-40 0-1' refusal @ 1'

GSS dark brown/gray no odor

coarse - fine sand

quartz rock/ledge PID: 0.0 units

S-39 0-4' GSS dark brown/black

contains glass, coal ash

PID: 0.0 units

S-38 0-3.5' refusal @ 3.5'

GSS dark brown/gray

fill material no odor

PID: 0.0 units, no odor

CONECO FIELD LOG (continued)

Description of Work (continued):

B-37 refusal @ 2"-4' no sample taken

B-36 refusal @ 6" 0-6" loamy material
very rich moist dark brown/black
like top soil trace gravel
no odor.

B-35
0-4' Dark brown fill material GSS to
@ 4' small amounts of clay
fine silty sand @ 3.5-4' PID:0.0
4-7' Same dark brown/grey fill material
and mixed clay nodules
refusal @ 7' (ledge). No odor
PID:0.0

B-34 0-2' silty sand clay like very light
redish brown color. trace of
gravel 10-15% sp. fines
PID:0.0 units, no odor

Project No.:
Date: 9/30/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-34 2-4': ssa to 3' from 3'-4'
more sandy material less fines 5-10%
5-10% gravel small round.
darker light brown color
PID: 0.0 units no odor

4-5' same as 2'-4'
5-7' m-f sand 10-15% SR gravel
5-10% fines
light/dark brown mix
bedrock @ 7'
PID: 0.0 No odor.

B-33 0-18" Dark brown fill material gss
to 18" refusal @ 18" (ledge)
PID 0.0 units
B-32 0-3' refusal @ 3' (ledge).
Fill material w crushed rock
brown/gray/black color.
No odor PID 0.0 units

Date: 3/30/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-31 0-4' dark brown fill material GSS
clean. PID = 0.0
4'-8' Pulverized rock no sample

B-29 0-3' fill material to approx. 3'
PID = 0.0 glass coal ash etc... no sample
3-4' Brown medium to fine sand
PID = 0.0 10-15 % npf. trace of gravel
4-5' Fill material mixed with coal ash
same as 3-4' PID 0.0 units

B-41 0-4' Top soil for 6", fill dirt
~~clean~~ dark brown, less gravel
contains glass, plastic, ceramics
coal ash @ 4'
4-6' Fill material, same as above
* @ 4 & 5' black tar like material
No odor PID = 0.0 units

CONECO FIELD LOG (continued)

Description of Work (continued):

B-42 0-2': fill material dark brown
PID: 0.0 units ceramic pieces, metal, glass
2-4' dark brown fill material
No foreign matter. moist clay like.
4-6.5' similar to 2-4'
PID. 0.0 units, no odor

B-43 0-3' ledge @ 3' (grass area)
few inches of Top soil
fill material dark brown
coarse to fine sand
10-15% rock 5-10% gravel

B-44 0-3' refusal @ 3' (ledge)
Topsoil to 6-inches fill material
to 3' PID 0.0 units no odor
no debris

B-45
0-3' Top soil to 6-inches, fill material
to 3'. dark brown.

CONECO FIELD LOG (continued)

Description of Work (continued):

B-45 3-4' medium - fine dark brown sand
appears to be native - virgin
80% 10 - 15% npd. trace gravel
PID: 0.0 no odor (SA) - (A)
~~6-8'~~ 4-6' same as above
80% 6-8' clay like material silty sand
15-20% npf, 5-10% gravel
net @ 6.5' dark brown
80% 8.5' coarse to fine sand with clay
like properties, more sand than
previous layers. dark brown
some gravel subangular (SA) odorless

B-46 0-2' Gravel GSS dark gray/black
PID 0.0
2-4' nothing at ≈ 3' brown/gray silty
sand chunks of wood @ ≈ 2.5'
light brown/reddish at bottom 4'
clay like moist.
4-7.75' brown/gray silty sand to 7'
GSS to ledge refusal @ 7.75'

Project No: _____
Date: 3/30/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-47 0-3' dark brown. GSS to ≈ 2'
wet @ 2' Gray GSS to 3'
refusal @ 3'
no odor, PID: 0.0 units

B-48 0-2' dark brown/gray GSS - gravel silty sand
coarse to fine sand 10-15% spf.
15-20% SA gravel
2-4' Light brown GSS c-f sand
10-15% spf 10-15% SA gravel
4-6.5 SA gravel light brown/dark brown
last fat pulverized ledge.

CONECO FIELD LOG

Project Name: W & M Properties, Inc. **Date:** April 15, 1999

Project No.: 3551-CT **Location:** 500 Mamaroneck Ave. Harrison, NY

Coneco Engineer: M. Feldman **Subcontractor:** Brooks Labs, Inc.

Description of Work: Geoprobe soil boring

HNu PID calibration with 100 ppm isobutylene standard

background 0.0 units

B-49 (near D&M boring #1)

60% recovery 0-4' silty sand & gravel

0-6" gravel, wood/plastic/burn paper

wire/wood & cinders

PID 0.0 units

4-7.5 refusal @ 7.5'

soil slightly moist ~~50%~~ 50%

is not natural material.

PID 0.0 units

B-50 (near GP-11)

60% recovery 0-4' 4-inches gravel, silty sand

60% recovery 4-5.5' ledge @ 7.5'

glass/wood cinders/metal

burn odor.

PID 0.0 units

Project No. 3551-CT

Date: April 15, 1999

CONECO FIELD LOG (continued)

Description of Work (continued):

B-51 (Near GP-12)

70% 0-4' 70% recovery some glass throughout silty sand PID 0.0 units

30% 4-5.5' more natural type fill material some glass @ 4.5' PID 0.0 units

refusal @ 5.5 ledge

B-52 0-4' sand silt brown moist 90% recovery

4-7' 1.5' of sand & silt / brown muddy 6" glass, plastic, wood 4" charred material refusal @ 7' HNU PID 0.0 units, no odor

B-53 0-4' silty sand 3A gravel PID 0.0 · medium-dark brown gray no odor

4-8' same as above PID 0.0 no odor. fill material refusal @ 7.5'

Project No. 3551-CT

Date: April 15, 1999

CONECO FIELD LOG (continued)

Description of Work (continued):

B-56 (Near GP-19)

100% recovery 0-4' Silty sand some gravel
SA gravel medium-dark brown
No odor soil moist
PID 0.0

70% 4-8' glass @ 7-7.5'
some gravel f-m sand
brown/gray color no odor
PID 0.0

90% 8-12' refusal @ 12'
brown silty sand natural looking
of clean fill. PID 0.0

B-54 (near 22' east south east Conoco B-41)
0-4 sand/silt PID 0.0 60% recovery
No odor. (1st 6" top soil)
@ 5' glass & metal pieces
4-8' Fill material dark brown some
glass
8-11' melted glass natural

Project No. 3551-CT

Date: April 15, 1999

CONECO FIELD LOG (continued)

Description of Work (continued):

B-57 (east of 54 + 41)

0'-3' 4-inches top soil

50% refusal @ 3.0 ledge

small amount of glass

natural looking material @ 2.5' dark brown sand

HNu PID 0.0 units

No odor

B-55 (near D+M #8)

0-2.5' ledge at 2.5'

APPENDIX C

IMMUNOASSAY RESULTS

********** S D I *********

PROTOCOL : CARC PAH

TECH ID : MCF
LOT # : 8H1066
EXP DATE: 6/99

Data Reduct: Lin.Regression
Xformation: Ln/LgtB
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.859
Intercept = 0.880
Corr (r) = 0.9897**

Transformed Data :

Conc	Abs
-2.30	2.974
0.00	0.600
1.61	-0.338

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	0.487		
	0.737		
Mean	0.612	28.9*	
0.10	0.579		0.10
	-0.001		-0.7
	0.585		0.08
	-0.024		-31.8
Mean	0.582	0.8	0.09
	-0.013		-14.4
1.00	0.395		1.38
	0.381		27.6
	0.394		1.39
	0.391		28.1
Mean	0.395	0.2	1.39
	0.386		27.8
5.00	0.243		4.53
	-0.471		-10.4
	0.267		3.76
	-1.236		-32.9
Mean	0.255	6.6	4.13
	-0.874		-21.2

Control Data :

Ctrl#	Abs	Conc
1	0.324	2.43

ID _

Sa

Spl#	Abs	Conc	ID
1	0.491	0.55	1 S-3 (0-2')
2	0.259	3.98	2: S-3 (2-4')
3	0.350	1.98	3 S-3 (4-7')
4	0.461	0.76	4 S-4 (0-2')
5	0.628	nd	5 S-4 (2-4')
6	0.546	0.24	6: S-4 (4-6')
7	0.650	nd	7 S-4 (6-8)
8	0.489	0.56	8 S-5 (0-2')
9	0.469	0.69	9 S-5 (2-4')
10	0.446	0.88	10 S-5 (4-5')
11	0.620	nd	11 S-6 (0-2')
12	0.401	1.32	12 S-7 (0-1.5')
13	0.625	nd	13 S-8 (0-2')
14	0.694	nd	14 S-8 (2-4')
15	0.540	0.26	15 S-8 (4-8')
16	0.321	2.48	16: S-9 (0-1')
17	0.589	0.06nd	17 S-10 (0-2')
18	0.589	0.06nd	18 S-10 (2-4')
19	0.501	0.48	19 S-10 (4-6')
20	0.593	0.05nd	20: S-10 (6-8')
21	0.518	0.38	21 S-11 (0-2')
22	0.590	0.06nd	22 S-13 (0-2')
23	0.595	0.04nd	23 S-13 (2-4')
24	0.593	0.05nd	24 S-13 (4-8')
25	0.503	0.47	25 S-13 (8-12')
26	0.340	2.15	26: S-13 (12-16')
27	0.631	nd	27 S-13 (16-20')
28	0.337	2.19	28: S-15 (0-1')
29	0.369	1.71	29: S-16 (0-1')
30	0.583	0.08nd	30 S-17 (0-2')
31	0.521	0.37	31 S-17 (2-4')
32	0.606	0.01nd	32 S-17 (4-7')
33	0.618	nd	33 S-17 (7-10')

CPAH

I: 34 S-17 (10-13')

35 0.588 0.07nd

ID: 35 S-18 (0-4')

36 0.566 0.15

ID: 36 S-18 (4-6.5')

37 0.531 0.31

ID: 37 S-19 (0-2)

38 0.174 8.12Hi

ID: 38: S-19 (2-4')

39 0.371 1.69

ID: 39: S-19 (4-8')

40: No sample 8'

40 0.615 nd

ID: 41 S-19 (8-10')

41 0.563 0.16

ID: 43 S-20 (0-2')

42: No sample S-20 surface

42 0.302 2.86

ID: 44: S-21 (0-3')

43 0.442 0.92

ID: 45 S-22 (0-2)

44 0.452 0.83

ID: 46 S-23 (0-3)

45 0.533 0.30

ID: 47: S-24 (0-3')

46 0.461 0.76

ID: 48: S-25 (0-4')

47 0.538 0.28

ID: 49: S-27A (0-2)

48 0.506 0.45

ID: 50 S-27A (2-4)

END
04-(

CPAH

********** S D I *********

PROTOCOL : CARC PAH

TECH ID : MCF
LOT # : BH 1066
EXP DATE: 6/99

Data Reduct: Lin.Regression
Xformation: Ln/L9tB
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.350
Intercept = -0.393
Corr (r) = 0.9953

Transformed Data :

Conc	Abs
-2.30	0.382
0.00	-0.316
1.61	-1.003

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	1.407		
	0.749		
Mean	1.078	43.1*	
0.10	0.633		0.12
	0.019		15.7
	0.648		0.10
	0.001		1.0
Mean	0.641	1.6	0.11
	0.009		8.6
1.00	0.452		0.82
	-0.179		-21.8
	0.456		0.79
	-0.215		-27.3
Mean	0.454	0.6	0.80
	-0.197		-24.5
5.00	0.295		5.27
	0.271		5.1
	0.284		6.15
	1.147		18.7
Mean	0.289	2.8	5.69
	0.689		12.1

Control Data :

Ctrl#	Abs	Conc
1	0.359	2.35

ID

Sam:

Spl#	Abs	Conc
1	0.684	0.07nd

ID: 51 S-28 (6-8')

2	0.712	0.05nd

ID: 52 S-28 (2-4')

3	0.513	0.43

ID: 53: S-28 (4-6')

4	0.729	0.04nd

ID: 54: S-28 (6-8')

5	0.419	1.19

ID: 55: S-24A (0-4')

6	1.044	0.00nd

ID: 56 S-24A (4-8')

7	0.700	0.06nd

ID: 57: S-24A (8-10')

8	0.734	0.04nd

ID: 58 S-24A (10-12)

9	0.709	0.05nd

ID: 59 S-40 (0-1)

10	0.671	0.08nd

ID: 60: S-39 (0-4')

11	0.692	0.06nd

ID: 61 S-38 (0-3.5)

12	0.437	0.97

ID: 62 S-36 (0-0.5)

13	0.607	0.16

ID: 63 S-35 (0-4')

14	0.593	0.18

ID: 64: S-35 (4-7')

15	0.778	0.02nd

ID: 65 S-34 (0-2')

16	0.787	

ID 66 S-34 (2-4')

ID: 67 S-34 (4-5')

18	0.650	0.10nd

ID: 68 S-34 (5-7')

19	0.646	0.10

ID: 69 S-33 (0-1.5)

20	0.718	0.05nd

ID: 70 S-32 (0-3)

21	0.758	0.03nd

ID: 71: S-31 (0-2')

22	0.725	0.04nd

ID: 72 S-31 (2-4')

23	0.687	0.07nd

ID: 73 S-29 (3-4')

24	0.743	0.03nd

ID: 74 S-30 (0-4')

25	0.356	2.44

ID: 75 S-41 (0-4')

26	0.323	3.68

ID: 76 S-41 (4-6')

27	0.447	0.87

ID: 77 S-42 (0-2')

28	0.715	0.05nd

ID: 78 S-42 (2-4')

29	0.780	0.02nd

ID: 79 S-42 (4-6.5')

30	0.672	0.08nd

ID: 80 S-43 (0-3)

31	1.497	nd

ID: 81 S-45 (0-3')

32	0.775	0.02nd

ID: 82 S-45 (2-4')

33	0.725	0.04nd

ID: 83: S-45 (4-6')

3/4

CPAH

********** S D I *********

PROTOCOL : PCB

TECH ID : MCF
LOT # : 8K00129
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/Lgt8
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.734
Intercept = 0.259
Corr (r) = 0.9836**

Transformed Data :

Conc	Abs
-1.39	1.402
0.00	0.027
1.61	-0.815

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	1.710		
	1.673		
Mean	1.692	1.5	
0.25	1.364		0.20
	-0.046		-22.3
	1.351		0.22
	-0.033		-15.0
Mean	1.357	0.6	0.21
	-0.039		-18.6
1.00	0.976		0.93
	-0.066		-7.1
	0.738		2.02
	1.015		50.4
Mean	0.857	19.6*	1.37
	0.373		27.2
5.00	0.527		4.19
	-0.813		-19.4
	0.511		4.45
	-0.546		-12.3
Mean	0.519	2.2	4.32
	-0.682		-15.8

Control Data :

Ctrl#	Abs	Conc
1	0.575	3.51

Sa

Spl#	Abs	Conc
1	1.583	0.04nd

ID: 1:S-3 (0-2') <0.5 ppm

2	1.562	0.05nd

ID: 2: S-3 (2-4')

3	1.571	0.04nd

ID: 3: S-3 (4-7')

4	1.596	0.03nd

ID: 4: S-4 (0-2')

5	1.627	0.02nd

ID: 5: S-4 (2-4')

6	1.758	nd

ID: 6: S-4 (4-6')

7	1.719	nd

ID: 7: S-4 (6-8')

8	1.638	0.01nd

ID: 8: S-5 (0-2')

9	1.499	0.09nd

ID: 9: S-5 (2-4')

10	1.672	0.00nd

ID: 10: S-5 (4-5')

11	1.568	0.04nd

ID: 11: S-6 (0-2')

12	1.660	0.01nd

ID: 12: S-7 (0-1.5')

END OF
04-02

PCB

PROTOCOL : PCB

TECH ID : MCF
LOT # : 8K0029
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/LgtB
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.765
Intercept = 0.445
Corr (r) = 0.9998

Transformed Data :

Conc	Abs
-1.39	1.491
0.00	0.472
1.61	-0.799

Calibrator Data:

Conc	Abs	%CV	Predic
	Diff		%Diff
0.00	1.483		
	1.463		
Mean	1.473	0.9	
0.25	1.218		0.23
	-0.019		-8.3
	1.186		0.28
	0.030		10.7
Mean	1.202	1.9	0.25
	0.005		1.9
1.00	0.879		1.07
	0.070		6.5
	0.935		0.87
	-0.131		-15.1
Mean	0.907	4.3	0.96
	-0.035		-3.6
5.00	0.438		5.49
	0.490		8.9
	0.475		4.71
	-0.285		-6.0
Mean	0.457	5.7	5.08
	0.083		1.6

Control Data :

Ctrl#	Abs	Conc
1	0.561	3.38

ID:

Sample

Spl#	Abs	Conc
1	1.434	0.02nd

ID: 13 : S-8(0-2')

2	1.458	0.00nd

ID: 14 : S-8(2-4')

3	1.445	0.01nd

ID: 15: S-8(4-8')

4	1.346	0.08nd

ID: 16: S-9 (0-1')

5	1.431	0.02nd

ID: 17: S-10(0-2')

6	1.457	0.00nd

ID: 18: S-10 (2-4')

7	1.351	0.08nd

ID: 19: S-10 (4-6')

8	1.449	0.01nd

ID: 20: S-10 (6-8')

9	1.407	0.03nd

ID: 21: S-11(0-2')

10	1.453	0.01nd

ID: 22: S-13(0-2')

11	1.421	0.02nd

ID: 23: S-13 (2-4)

12	1.397	0.04nd

ID: 24: S-13 (4-8)

13	1.406	0.03nd

ID: 25 : S-13 (8-11)

14	1.458	0.00nd

ID: 26: S-13(12-16')

15	1.502	nd

ID: 27: S-13 (16-20')

16	1.427	0.02nd

ID: 28: S-15(0-1')

ID: 29: S-16 (0-1')

18	1.474	nd

ID: 30 S-17 (0-2)

19	1.461	0.00nd

ID: 31 S-17 (2-4)

20	1.416	0.03nd

ID: 32 S-17 (4-7')

21	1.482	nd

ID: 33 S-17 (7-10)

22	1.422	0.02nd

ID: 34 S-17 (10-13')

23	1.359	0.07nd

ID: 35 : S-18(0-4')

24	1.439	0.01nd

ID: 36 S-18 (4-6.5)

END OF RUN
04-02

********** S D I *********

PROTOCOL : PCB

TECH ID : MCF
LOT # : AK0039
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/Ln10
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.803
Intercept = 0.579
Corr (r) = 0.9999

Transformed Data :

Conc	Abs
-1.39	1.702
0.00	0.561
1.61	-0.705

Calibrator Data:

Conc	Abs	%CV	Predic %Diff
	Diff		
0.00	1.468		
	1.571		
Mean	1.520	4.8	
0.25	1.277		0.26
	0.010		3.8
	1.293		0.23
	-0.016		-6.6
Mean	1.285	0.9	0.25
	-0.003		-1.2
1.00	0.943		1.11
	0.115		10.3
	0.992		0.94
	-0.063		-6.7
Mean	0.967	3.6	1.02
	0.023		2.2
5.00	0.507		4.87
	-0.133		-2.7
	0.498		5.03
	0.031		0.6
Mean	0.502	1.3	4.95
	-0.052		-1.1

Control Data :

Ctrl#	Abs	Conc
1	0.584	3.69

Samp

Spl#	Abs	Conc
1	1.583	nd
ID: 37 S-19 (0-2)		
2	1.255	0.30
ID: 38: S-19 (2-4')		
3	1.416	0.08nd
ID: 39 S-19 (4-8')		
4	1.503	0.01nd
ID: 41 S-19 (8-10')		
5	1.485	0.02nd
ID: 43 S-20 (0-2')		
6	1.434	0.06nd
ID: 44: S-21 (0-3')		
7	1.478	0.02nd
ID: 45 S-22 (0-2')		
8	2.038	nd
ID: 46 S-23 (0-3')		
9	2.052	nd
ID: 47: S-24 (0-3')		
10	1.401	0.10nd
ID: 48 S-25 (0-4')		
11	1.404	0.09nd
ID: 49 S-27A (0-2)		
12	1.379	0.12nd
ID: 50 S-27A (2-4')		
13	1.569	nd
ID: 51 S-28 (6-8')		
14	1.422	0.07nd
ID: 52 S-28 (2-4'		
15	1.008	0.88
ID: 53: S-28 (4-6')		
16	1.442	0.05nd
ID: 54 S-28 (6-8')		

1

ID: 55 S-24A (0-4')

18	1.451	0.05nd
ID: 56 S-24A (4-8')		
19	1.275	0.26
ID: 57: S-24A (8-10')		
20	1.400	0.10nd
ID: 58 S-24A (10-12')		
21	1.423	0.07nd
ID: 59 S-40 (0-1)		
22	1.163	0.47
ID: 60: S-39 (0-4')		
23	1.531	nd
ID: 61 S-38 (0-3.5')		
24	1.412	0.08nd
ID: 62 S-36 (0-0.5)		
25	1.447	0.05nd
ID: 63 S-35 (0-4')		
26	1.200	0.40
ID: 64: S-35 (4-7')		
27	1.542	nd
ID: 65 S-34 (0-2')		
28	1.640	nd
ID: 66 S-34 (2-4')		
29	1.474	0.03nd
ID: 67 S-34 (4-5')		
30	1.434	0.06nd
ID: 68 S-34 (5-7')		
31	1.430	0.06nd
ID: 69 S-33 (0-1.5')		
32	1.475	0.03nd
ID: 70 S-32 (0-3)		
33	1.465	0.03nd
ID: 71: S-31 (0-2')		
34	1.433	0.06nd
ID: 72 S-3 (2-4')		

END C
04-02

PROTOCOL : PCB

TECH ID : MCF
LOT # : 0210029
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/Lgt8
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.776
Intercept = 0.459
Corr (r) = 0.9993

Transformed Data :

Conc	Abs
-1.39	1.508
0.00	0.510
1.61	-0.814

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	1.368		
	1.333		
Mean	1.351	1.8	
0.25	1.123		0.23
	-0.019		-8.1
	1.089		0.29
	0.038		13.3
Mean	1.106	2.2	0.26
	0.009		3.5
1.00	0.835		0.97
	-0.027		-2.8
	0.853		0.90
	-0.099		-10.9
Mean	0.844	1.6	0.94
	-0.063		-6.8
5.00	0.413		5.19
	0.192		3.7
	0.416		5.12
	0.116		2.3
Mean	0.415	0.6	5.15
	0.154		3.0

Control Data :

Ctrl#	Abs	Conc
1	0.508	3.47

Sel#	Abs	Conc
1	1.302	0.03nd

ID: 73: S-29 (3-4')

2	1.311	0.02nd

ID: 74: S-30 (0-4')

3	1.279	0.04nd

ID: 75: S-41 (0-4')

4	1.288	0.04nd

ID: 76: S-41 (4-6')

5	1.263	0.06nd

ID: 77: S-42 (0-2')

6	1.304	0.02nd

ID: 78: S-42 (2-4')

7	1.330	0.01nd

ID: 79: S-42 (4-6.5')

8	1.315	0.02nd

ID: 80: S-43 (0-3')

9	1.273	0.05nd

ID: 81: S-45 (0-3')

10	1.280	0.04nd

ID: 82: S-45 (2-4')

11	1.308	0.02nd

ID: 83: S-45 (4-6')

12	1.263	0.06nd

ID: 84: S-45 (6-8')

13	1.234	0.09nd

ID: 85: S-46 (0-2')

14	1.284	0.04nd

ID: 86: S-46 (2-4')

15	1.261	0.06nd

ID: 87: S-41 (4-7.25')

16	1.289	0.04nd

ID: 88: S-47 (0-3')

ID: 89: S-48 (0-2')

18	1.234	0.09nd

ID: 90: S-48 (2-4')

19	1.249	0.07nd

ID: 91: S-48 (4-6')

END OF
04-0

PCB

APPENDIX D

ANALYTICAL LABORATORY DATA SHEETS
CHAIN OF CUSTODYS

ALL RAW LABORATORY DATA AVAILABLE UPON REQUEST

SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York

June 1998

Prepared for:

500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, New York 11797

14540018.084

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1.0 *INTRODUCTION*

Environmental Resources Management (ERM) has prepared this Voluntary Cleanup Site Assessment Report on behalf of 500 Mamaroneck Avenue Associates (owner) to document conditions at their property located at 500 Mamaroneck Avenue, Harrison, New York (site). The site, a five-story office building, is being marketed by the Bank of Nova Scotia and title will pass to the new owner. AKRF, INC. (AKRF), completed a Phase I Environmental Investigation in April of 1997.

A potential purchaser engaged Dames and Moore, Inc. to collect soil and groundwater samples to assess potential impacts from past property usage. Dames and Moore produced preliminary sampling results which indicated residual soil concentrations of Resource Conservation Recovery Act (RCRA) metals, polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in excess of regulatory standards or guidelines. Groundwater samples collected by Dames & Moore, however did not indicate any significant levels of contaminants.

1.1 *PURPOSE OF REPORT*

In May 1998, the site owner retained ERM, to further evaluate conditions at the site retained ERM. ERM recommended the installation of additional soil borings to:

- Verify the presence and establish concentrations of PAHs and PCBs.
- More completely delineate the areal and vertical extent of any residual inorganic, PCB or PAH soil contamination.

This report details the results of sampling program carried out at 500 Mamaroneck Avenue, by ERM, evaluates the fate and transport of the residual contaminants detected and recommends a remedial alternative

consistent with the property usage. Additional groundwater sampling was not recommended because the Dames & Moore results did not indicate significant impacts.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2.1 *Study Area Description & History*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas parking covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent residences.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site. Water is provided by the local municipal system and the site therefore has no drinking water

well(s). One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.2.2 *Site Geology*

Based on the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck. New York Quadrangle, site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the property. Based on the topography and general site features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the site boundary.

According to the September 1994 General Geology Map of Putnam and Westchester Counties. New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property.

1.2.3 *Previous Investigations*

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997 and Dames & Moore, Inc., 1998 (late February or early March). Except for the Dames & Moore sampling, these investigations are Phase I Environmental Assessments, however, GZA, ERL and USHI collected limited soil and/or groundwater samples as part of their work.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain debris from past MSW operations (see Figure 2). The samples were composited and analyzed for priority pollutant metals after extraction following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 2). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 2). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be slightly elevated, they are consistent with typical soil metals concentrations from urban settings and do not indicate contamination from operation of the incinerator.

As discussed above, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. Initially they proposed the installation of 8 soil borings , however, 2 of their borings were not installed due to the presence of underground utilities. Figure 2 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs , PAH and PCB semi-volatile organic compounds (SVOCs) and RCRA metals. Only the results of the Dames & Moore sampling were supplied to the property owner, therefore, the analytical methodology is unknown. However, it is likely that standard USEPA analytical methods were used because the samples were collected as part of a due diligence investigation for a property transfer.

No VOCs exceeded regulatory guidelines in any of the six soil samples collected. Dames & Moore's report stated that the PAHs and PCBs exceed regulatory guidelines in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (μg/kg), chrysene at 670 μg/kg and benzo(a)anthracene at 600 μg/kg. The PCB concentration in this sample was 13,000 μg/kg of Aroclor 1242. The report also states that RCRA metals exceed regulatory guidelines in all of the samples. However, that

conclusion is based on a total metals analysis of the soils. Considering the proximity of bedrock at the site, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to regulatory guidelines is premature.

Groundwater samples were collected from the existing on-site well and from borehole No 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameters were detected above its respective regulatory guidance criterion.

A copy of the previous investigation reports is presented in Appendix A.

2.0 *SITE INVESTIGATION*

To better understand and more completely define the extent of potential impacts from past activities at the site, ERM installed 21 soil borings at the 500 Mamaroneck Avenue site. Because more than 340,000 cubic yards of soil and bedrock were excavated from the site during construction, borings were located in areas suspected to contain the greatest thickness of overburden soil. Several borings were also collocated with borings installed by Dames & Moore and in the former location of the municipal incinerator.

As discussed in Section 1.2.3, contaminants have not been detected in any samples collected from the on-site well. Additionally, Dames & Moore collected a groundwater sample from boring No. 3. This sample also did not contain contaminants in excess of regulatory guidelines. Dames & Moore also analyzed soil samples for VOCs. Except for common laboratory contaminants, such as acetone and methylethyl ketone, VOCs were not detected in the Dames & Moore soil samples. ERM therefore concluded that collection of groundwater samples was not warranted.

ADT, INC of New Hyde Park, New York Park installed the borings using a GeoProbe™ under the supervision of an ERM geologist. Each boring was advanced to a total depth of ten feet or until refusal. Continuous 3-foot samples were collected using a MacroCore™ sampler and each sampled screened for VOCs using a field instrument equipped with a photoionization detector (PID). The MacroCore™ sampler was decontaminated between borings using a detergent wash followed by distilled water rinse.

The initial round or boring installations was carried out on May 12, 1998. Borings GP-1 through GP-15 at the locations indicated on Figure 2. At several locations only a thin mantle of soil was observed. At other

borings, cinder-like material was observed. VOCs were not observed in any of the samples collected. The field notes from the boring installation are provided in Appendix B.

Because of the presence of numerous utilities including electric, water and sewer lines in the front of the building, it was necessary to conduct a Geophysical survey to clear boring locations. NAEVA Geophysics Inc. (NAEVA) of Tappan, New York conducted the survey. While on-site, NAEVA also surveyed the area near Dames & Moore boring No. 8 where PCBs were detected at a depth of 4 to 6- feet. Although the ground penetrating radar (GPR) survey identified a depression in the bedrock surface in this location, ERM was unsuccessful in collecting a sample at the same depth as indicated by the Dames & Moore data from this location.

On May 26, 1998, ADT returned to the site and installed borings at locations GP-16, GP-20 and GP-21 (Figure 2). The installation of these borings followed the protocol described above. Note that ERM boring location GP-16 was near Dames & Moore Boring No. 8.

Because of concerns regarding crossing sewer and water lines located in front of the building with the GeoProbe™ rig, borings GP-17, GP-18 and GP-19 were installed using a Tripod drilling apparatus. Soil samples were collected using a standard 2-foot split-barrel core sampler (split spoon), which was decontaminated as described above.

After collection, samples were stored on ice and shipped for immuno-assay screening for PCBs and PAHs. Ohmicron field immuno-assay screen kits were used because they provide the lowest detection limits of available immuno-assay screening kits. The Ohmicron kits also meet the requirements of USEPA SW-846 immuno-assay methodologies. Based on the results of the screening and sample location with respect to previously

selected samples were sent to the American Environmental Network (AEN) laboratory in Monroe Connecticut.

The soil samples were analyzed for PAHs using USEPA method 8270B, PCBs using USEPA method 8081, and RCRA metals after extraction using the Toxicity Characteristic Leaching Procedure (TCLP). After the preliminary results from the set of samples collected on May 12, 1998 were obtained, AEN was requested to reanalyze several samples for PAHs and PCBs after extraction of the samples using the TCLP leaching procedure. This additional analysis was undertaken to assess the mobility of the PAHs and PCBs, which were detected.

3.0 *SAMPLING RESULTS*

Immuno-assay screening results for the PAHs ranged from 8 to 888 μg/kg with a method detection limit (mdl) of 4 μg/kg. PCB concentrations, as determined by immuno assay testing ranged from non-detect (ND) to 323 μg/kg with an mdl of 500 μg/kg. After review of the field screening results, 14 samples were selected for laboratory analysis. The selected samples contained both low and high concentration samples and samples collected near previously sampled areas.

The data from the soil samples collected on May 12, 1998 was received by ERM and reviewed to determine the necessity for additional sampling collection or analysis The results from the May 12th sampling indicated the presence of PAHs, and PCBs in several of the soil samples above applicable regulatory limits. Concentrations of PCBs ranged from 56 μg/kg to 4,200 μg/kg. Concentrations of PAHs ranged from 110 to 7,800 μg/kg, with individual PAH concentrations of benzo(a)anthracene (Borings GP-12A, GP-12B, GP-13A), benzo(b)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Boring GP-12B), benzo(a)pyrene (Borings GP-12A, GP-12B, GP-13A), chrysene (Borings GP-12A, GP-12B, GP-13A) and dibenzo(a,h)anthracene (Boring GP-12B) exceeding the Clean-up Objectives of NYSDEC TAGM 4046. The total estimated PCB concentration of 4,200 μg/kg obtained in ERM boring GP-11A exceeds the surficial total PCB clean-up criterion of 1,000 μg/kg.

Several RCRA metals were detected in the May 12th samples above the laboratory mdl. However, RCRA metal concentrations did not exceed regulatory criteria. As discussed in Section 3.0, the RCRA metals testing was carried out using the TCLP extraction procedure and the results indicate that although RCRA metals are present in the soil at 500 Mamaroneck Avenue, they are not mobile. Therefore, it was decided to

reanalyze several of the May 12th samples for PAHs ad PCBs using the TCLP extraction procedure. Soil samples from GP-11A, GP-12A, GP-12B and GP-13A were therefore reanalyzed to assess the mobility of these compounds.

The results of the TCLP leaching and reanalysis indicated that PCBs were not detected above the mdl. PAH concentrations in the TCLP extracted samples ranged from an estimated value of 0.2 μg/L to 4 μg/L. These concentrations are at least two orders of magnitude less than the applicable TAGM Clean-up Objective. Base on these TCLP data, it can be concluded that the PAHs in PCBs in the soil at the 500 Mamaroneck Avenue are not mobile.

Four samples from the May 26th and 27th sampling were sent for laboratory analysis. PCBs, above the mdl, were present in three of the samples (GP-19B/C, GP-19D/E/F and GP-21A), however, total PCB concentrations did not exceed regulatory recommended clean-up objectives. PAH concentrations ranged from 450 μg/kg to 22,000 μg/kg in the May 26th and 27th samples. The concentration of benzo(a)anthracene (Borings GP-19B/C, GP-19D/E/F, GP-20A), benzo(b)fluoranthene and benzo (k)fluoranthene (Boring GP-19D/E/F), benzo(a)pyrene (Borings GP-19B/C, GP-19D/E/F and GP-20A) and dibenz(a,h)anthracene (Boring GP-19D/E/F) exceed TAGM 4046 Soil Clean-up Objectives. As indicated above, if the TCLP extraction were used, PAH the concentrations in these samples would be expected to be at least 3 orders of magnitude lower, which would like reduce the measured PAH concentrations below the applicable standard. Additionally, the PAH concentrations in the May 26th and 27th which exceeded standards were from samples collected at depths ranging from 3 to 12-feet below land surface. The TAGM 4046 clean-up criteria are based on direct contact with the PAH contaminated soil and it is unlikely for direct contact with these soils to occur.

4.0 *FATE AND TRANSPORT*

Chemicals released into the environment are susceptible to several degradation pathways. These include chemical (i.e., hydrolysis, oxidation, reduction, etc.), photolysis or photooxidation and biodegradation. One or more of these processes may transform compounds. The transformation processes are controlled by the physical properties of the compound, i.e., a compound's ability to absorb light or the presence of functional groups that can be oxidized by naturally occurring environmental oxidants such as oxygen.

Chemicals entering the environment are dispersed through various physical process including volatilization, dissolution in ground or surface water, bioadsorbtion and transport by fish and birds. The physical properties of the specific compound released into the environment will control the transport.

4.1 *POLYCYCLIC AROMATIC HYDROCARBONS*

Polycyclic aromatic hydrocarbons (PAHs) are formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances. PAHs can either be man-made or occur naturally. Although a few of the PAHs are used to make dyes, pesticides and plastics, and others are contained in asphalt most of these chemicals are not widely used except in research. PAHs are found throughout the environment in the air, water and soil. There are more than 100 different PAH compounds.

As pure chemicals, PAHs generally exist as colorless, white or pale yellow-green solids. They have a faint, pleasant odor. Most PAHs do not occur alone in the environment, i.e., they generally part of a complex mixture, for example, in crude oil, coal tar, creosote, and road and roofing tars.

The movement of PAHs in the environment depends on properties like their water solubility, vapor pressure and molecular weight. PAHs, in general, do not easily dissolve in water. In soil they are tightly bound to soil particles. PAHs can breakdown in the air by photolysis or through reactions with other chemicals. This process generally takes a period of days to weeks. Decomposition in soil and water takes longer, from weeks to months and is due mostly to the actions of microorganisms.

Transport and partitioning of PAHs in soil can be evaluated by consideration of individual PAH octanol-water partitioning coefficient (K_{ow}) and organic carbon partitioning coefficient (K_{oc}). K_{oc} indicates the chemicals potential to bind to organic carbon in soil and sediment, K_{ow} is used to estimate the potential for an organic chemical to move from water, a polar environment into a more nonpolar environment such as bound to soil. Some of the transport and partitioning characteristics, such as K_{oc} and K_{ow} are roughly correlated to the PAH molecular weight. These properties can be grouped as follows:

- Low molecular weight compounds (152-178 grams/mole [g/mol]) - acenaphthene, acenaphthylene, anthracene, fluorene and phenanthrene.
- Medium molecular weight compounds (202 g/mol) - fluoranthene and pyrene.
- High molecular weight compounds (228-278 g/mol) - benzo(a)anthracene, benzo(b)fluoranthene, benzo(k) fluoranthene, benzo(g,h,I)perylene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene and indeno(1,2,3,c,d)pyrene.

As described above, the K_{oc} indicates a chemical's potential to bind to organic carbon in sediment and soil. The low molecular weight PAHs have K_{oc} values in the range of 10^3 to 10^4, which indicates a moderate potential to be adsorbed. The medium molecular weight compounds K_{oc} values in the 10^4 range and high molecular weight compounds have K_{oc}

values in the range of 10^5 to 10^6, which indicate a strong tendency to adsorb to soil and sediment.

At the 500 Mamaroneck Avenue site, the high molecular weight compounds predominate suggesting that the PAHs present at the site will be strongly bound to the soil and will not be mobile. This is confirmed by the TCLP leaching data.

4.2 *POLYCHLORINATED BIPHENYLS*

Polychlorinated biphenyls (PCBs) are a class of nonpolar, chlorinated hydrocarbons with a biphenyl nucleus ($C_{12}H_{10}$) on which one to ten of the hydrogens have been replaced by chlorine. Commercial PCBs were manufactured and sold as mixtures containing multiple isomers with different degrees of chlorination. Most PCB congeners are colorless, odorless crystals; the commercial mixtures are clear viscous liquids (the more highly chlorinated mixtures are more viscous: for example Aroclor 1260 is a sticky resin). Although the physical and chemical properties vary widely across the class, PCBs have low water solubilities and low vapor pressures. PCBs are stable compounds and do not degrade easily.

Commercial PCB mixtures were used in a wide variety of applications, including dielectric fluids in capacitors and transformers, heat transfer fluids, hydraulic fluids, lubricating and cutting oils, and as additives in pesticides, paints, copying paper and carbonless copy (NRC) paper. By far, the preponderance of the PCBs were used in capacitors and transformers. The commercial utility was based largely on their chemical stability, including low flammability and desirable physical properties including electrical insulating properties. They are considered ubiquitous in the environment.

PCBs have low volatility and are highly lipophilic, i.e., PCBs prefer nonpolar environments, with the consequence that more than 99 percent of the environmental PCB mass found in soil. PCBs bind strongly to soil (Koc values likely in the 10^5 to 10^6) and may remain there for years or decades. PCBs will typically not travel deeply into the soil with rainwater. Specifically, the solubility of commercial mixtures of PCBs decreases in increasing chlorination, from a solubility of 420 μg/L for Aroclor 1016 to 12 μg/L for Arochlor 1260. The higher chlorinated species predominate at the 500 Mamaroneck Avenue site, indicating low potential for migration. This is confirmed by the TCLP leaching testing, which did not reveal PCBs in the extract.

5.0 *FINDINGS AND RECOMMENDATIONS*

The soil sampling carried out by ERM detected PAHs and PCBs above regulatory guidance criteria in only 6 soil samples out of the 46 collected at the 500 Mamaroneck Avenue site. Upon reanalysis of 4 of these samples, using the TCLP leaching procedure, the concentrations of PAHs and PCBs were below regulatory guidance, indicating that these compounds are not mobile. This observation is consistent with the transport phenomena associated with PAHs and PCBs. Impacts to groundwater from these compounds are therefore not likely.

The PAH and PCBs are associated with samples where there is a greater thicknesses of soil, specifically along the southern parking lot boundary and in front of the building. The PAHs and PCBs were generally detected in samples collect at depths greater than 3-feet below land surface. However, it must be pointed out that in general there is only a thin mantel of soil above the bedrock at the site. This is consistent with the observation that more than 340,000 cubic yards of soil and bedrock removed from the site during construction of the building complex.

Sixty percent of the 500 Mamaroneck property is undeveloped and has not been impacted by past or present activities. The building complex and parking lots cover approximately sixty four percent of the developed portion of the property, the remaining land is landscaped. Therefore the PAHs and PBCs potentially contained in soil are isolated both from a direct contact and leaching perspective. Additionally, as discussed above, because more than 340,000 cubic yards of soil and bedrock were removed during construction and disposed of off-site, the potential amount of PAHs and PCBs remaining on-site is extremely limited.

5.1 *RECOMMENDATIONS*

ERM recommends that no further investigative or remedial activities be conducted at the site. This recommendation is based on:

- Isolation of the PAHs and PCBs potentially present in site soil by the building complex, bituminous paving and landscaping. Direct contact with these contaminants is not likely and an exposure pathway is therefore not present.
- TCLP leach testing indicates that the PAHs and PCBs present on site are not mobile. This finding is consistent with the physical properties of these classes of compounds. More importantly, contamination of other media is not likely, groundwater is not used on the site and therefore, no exposure pathway through groundwater is possible.

Limited exceedances of recommended clean-up criteria. Only 4 borings contained soil exceeding criteria, therefore there is only a very limited area, which is potentially impacted.

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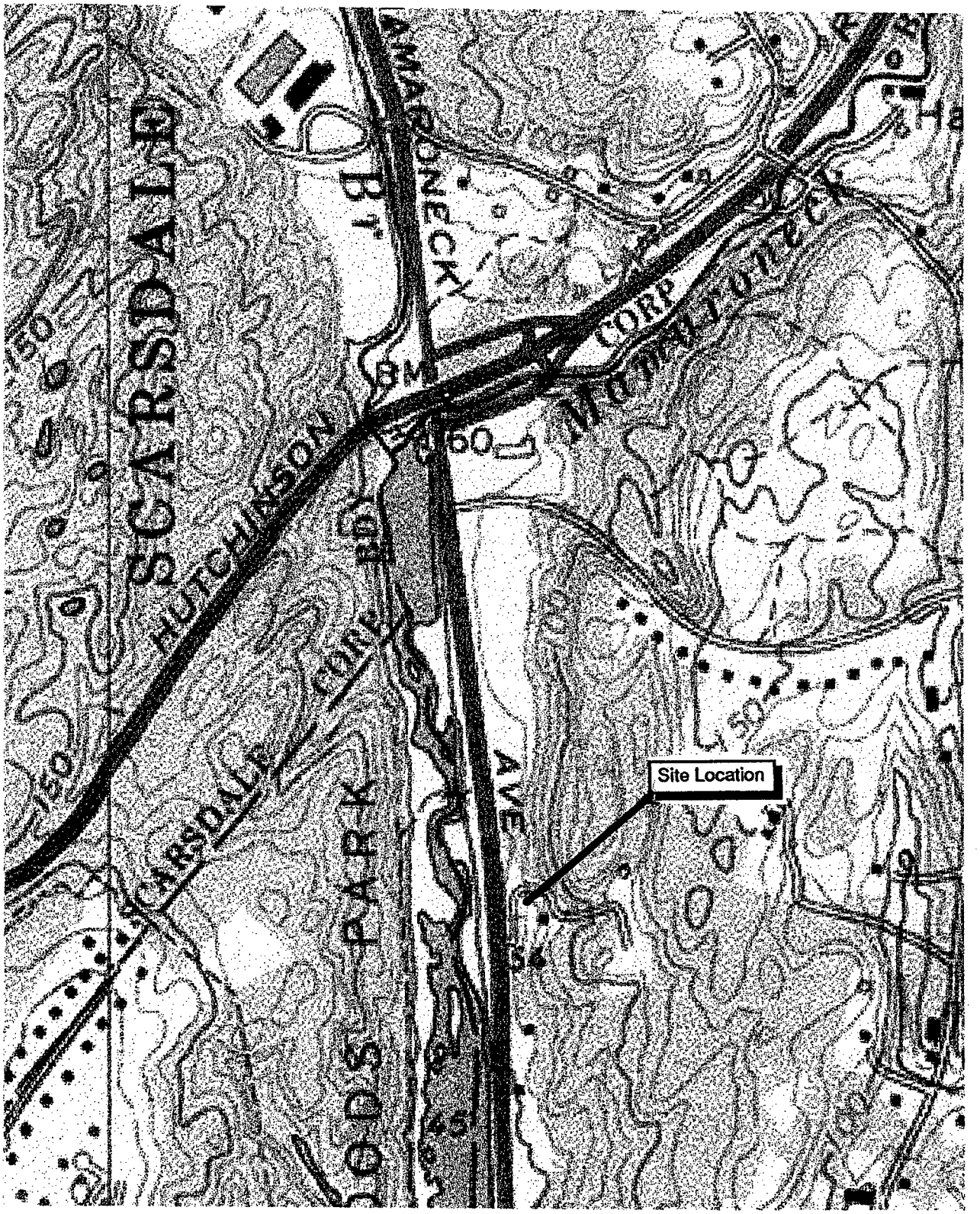


TITLE

SITE LOCATION MAP

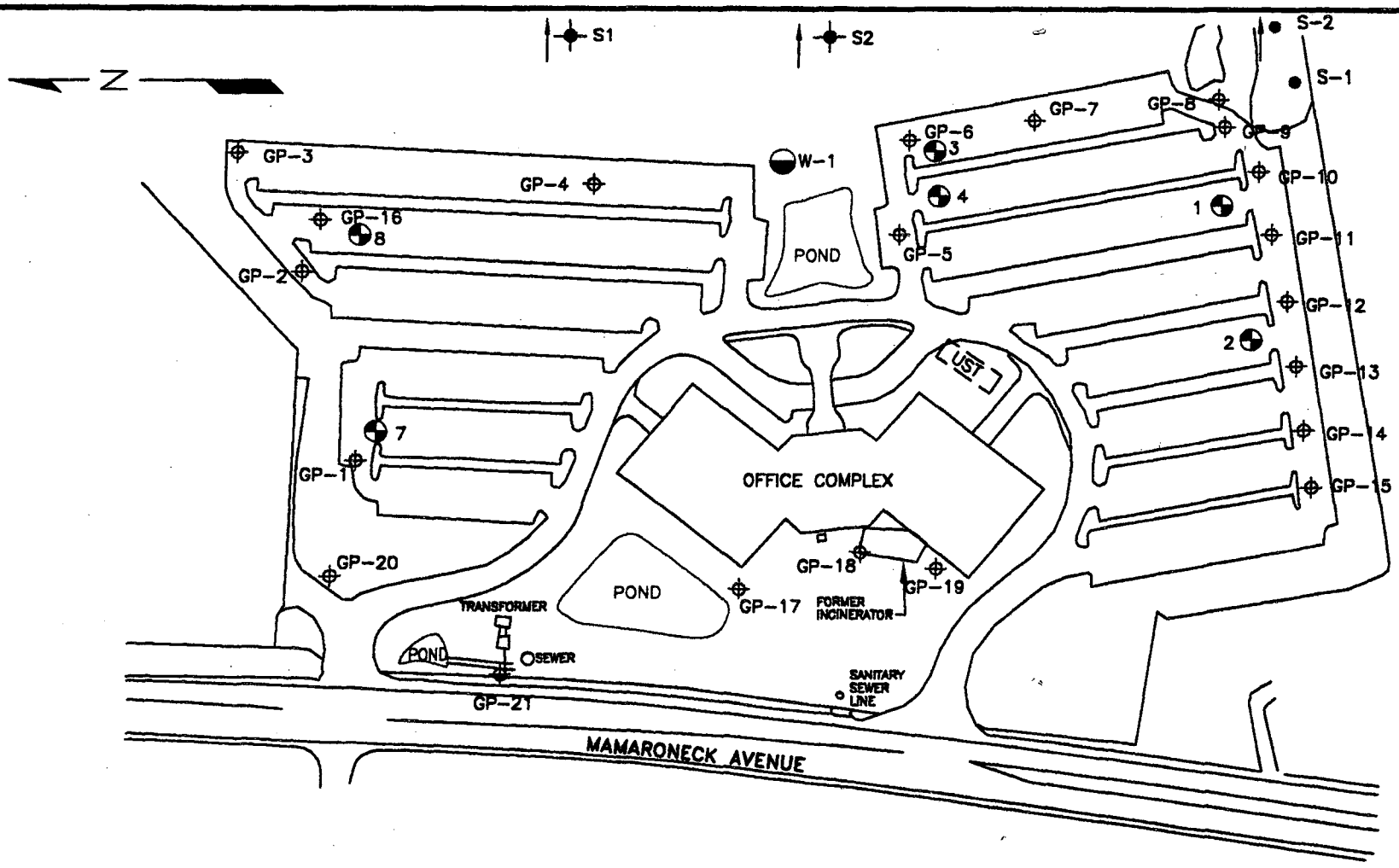
PREPARED FOR

500 MAMARONECK ASSOCIATES

ERM-Northeast
Environmental Resources Management

SCALE	FIGURE
NONE	1

DRAWN:	JOB NO.:	FILE NAME:	DATE
E.M.F.	1454.001		6/18/98



- ERM BORING LOCATIONS – 1998
- DAMES & MORE SAMPLING LOCATIONS – 1998
- U.S. HYDROGEOLOGIC, INC. SAMPLING LOCATIONS – 1989
- GROUNDWATER SUPPLY WELL
- GZA SAMPLING LOCATIONS – 1986

TITLE

SITE PLAN

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM–Northeast
Environmental Resources Management

SCALE	FIGURE
NONE	2

DRAWN:	JOB NO.:	FILE NAME:	DATE
E.M.F.	14540001	14540001	6/18/98

FIGURES

TABLES

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-1A	GP-1B	GP-2A	GP-3A	GP-4A	GP-5A	GP-5B	GP-6A	GP-7A	GP-8A	GP-8B	GP-8C	GP-9A	GP-9B	GP-10A	GP-10B
Depth (feet below land surface)		0 - 4	4 - 7.5	0.5 - 2.25	0 - 1.75	0 - 2.25	0 - 3.5	3.5 - 6.5	0 - 1	0.25 - 2.25	0 -3	3 - 6	6 - 8	0 - 3	3 - 5.5	0 - 3	3 - 6
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter																	
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	3.8 U		38 U	38 U				38 U						38 U		
Barium	100,000	318		961	681				1760						1190		
Cadmium	1,000	2 U		2 U	2 U				2 U						2.5 B		
Chromium	5,000	5 U		5 U	5 U				5 U						5 U		
Lead	5,000	49.6 B		58 B	43 B				27.9 B						266		
Mercury	200	2 U		2 U	2 U				2 U						2 U		
Selenium	1,000	39 U		39 U	39 U				39 U						56.1 B		
Silver	5,000	2 U		2 U	2 U				2 U						2 U		
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)																
Aroclor-1016		47 U		37 U	35 U				35 U						38 U		
Aroclor-1221		96 U		74 U	71 U				71 U						76 U		
Aroclor-1232		47 U		37 U	35 U				35 U						38 U		
Aroclor-1242		47 U		37 U	35 U				35 U						38 U		
Aroclor-1248		47 U		37 U	35 U				35 U						22 J		
Arclor-1254		47 U		37 U	35 U				35 U						32 J		
Aroclor-1260		47 U		37 U	35 U				35 U						16 J		
Total PCBs	1, 000 (surface)														70		
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Acenaphthylene	41,000	140 U		110 U	420 U				110 U						450 U		
Anthracene	50,000***	140 U		110 U	420 U				45 J						450 U		
Benzo(a)anthracene	224 or MDL	140 U		110	420 U				110 J						450 U		
Benzo(b)fluoranthene	1,100	140 U		140	420 U				120						450 U		
Benzo(k)fluoranthene	1,100	140 U		110 U	420 U				47 J						450 U		
Benzo(g,h,i)perylene	50,000***	140 U		110 U	420 U				47 J						450 U		
Benzo(a)pyrene	61 or MDL	140 U		61 J	420 U				88 J						450 U		
Chrysene	400	140 U		150	420 U				120						450 U		
Dibenz(a,h)anthracene	14 or MDL	140 U		110 U	420 U				110 U						450 U		
Fluoranthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Fluorene	50,000***	140 U		110 U	420 U				110 U						450 U		
Indeno(1,2,3-cd)pyrene	3,200	140 U		110 U	420 U				49 J						450 U		
Naphthalene	13,000	140 U		110 U	420 U				110 U						450 U		
Phenanthrene	50,000***	140 U		110 U	420 U				150						450 U		
Pyrene	50,000***	140 U		180	420 U				180						450 U		
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	16	142	408	287	142	32	28	407	106	85	41	113	24	23	79	69
PCBs	500 ug/Kg	ND	ND	5 J	1 J	62 J	ND	ND	105 J	ND	ND	1 J	ND	ND	ND	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-11A	GP-11A	GP-11B	GP-11C	GP-12A	GP-12A	GP-12B	GP-12B	GP-12B	GP-12C	GP-13A	GP-13A	GP-13C	GP-14A	GP-15A	GP-16A
Depth (feet below land surface)		0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	0 - 3	3 - 6	3 - 6	3 - 6	6 - 7	0 - 3	0 - 3	6 - 7	0 - 3	0 - 2	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	26-May-98
Parameter			TCLP				TCLP		Dilution	TCLP			TCLP				
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	38 U		38 U		38 U		38 U				38 U					
Barium	100,000	2570		1610		856		900				1430					
Cadmium	1,000	18.5		8.6		4.6 B		4.2 B				20					
Chromium	5,000	5 U		5 U		5 U		5 U				5 U					
Lead	5,000	1220		704		178		224				541					
Mercury	200	2 U		2 U		2 U		2 U				2.2					
Selenium	1,000	39 U		58.5 B		39 U		39 U				39 U					
Silver	5,000	2 U		2 U		2 U		2 U				2 U					
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)																
Aroclor-1016		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1221		1600 U	2 U	78 U		84 U	2 U	74 U		2 U		67 U	2 U				
Aroclor-1232		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1242		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1248		800 U	1 U	57		19 J	1 U	48		1 U		48	1 U				
Arclor-1254		800 U	1 U	38 U		26 J	1 U	69		1 U		69	1 U				
Aroclor-1260		800 U	1 U	260		11 J	1 U	34 J		1 U		34 J	1 U				
Total PCBs	1, 000 (surface)	4200		317		56		151				151					
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	120 U	10 U	120 U		120	10 U	700	710 D	4 J		1300	2 J				
Acenaphthylene	41,000	120 U	10 U	120 U		110 J	10 U	790	740 D	10 U		440 J	10 U				
Anthracene	50,000***	120 U	10 U	120 U		600	0.2 J	2200	2300 D	0.7 J		1200	0.2 J				
Benzo(a)anthracene	224 or MDL	54 J	10 U	46 J		920	10 U	4500	5000 D	10 U		1600	10 U				
Benzo(b)fluoranthene	1,100	72 J	10 U	83 J		1100	10 U	3800	5000 D	10 U		2600	10 U				
Benzo(k)fluoranthene	1,100	46 J	10 U	110 J		440	10 U	1800	1500 D	10 U		910	10 U				
Benzo(g,h,I)perylene	50,000***	120 U	10 U	120 U		260	10 U	650	930 D	10 U		340 J	10 U				
Benzo(a)pyrene	61 or MDL	60 J	10 U	43 J		830	10 U	2900	3800 D	10 U		1200	10 U				
Chrysene	400	160	10 U	82 J		1100	10 U	4500	6000 D	10 U		2300	10 U				
Dibenz(a,h)anthracene	14 or MDL	120 U	10 U	120 U		120 U	10 U	250	150 J	10 U		440 U	10 U				
Fluoranthene	50,000***	120 U	10 U	98 J		1800	10 U	6500 E	7800 D	0.8 J		440 U	0.6 J				
Fluorene	50,000***	120 U	10 U	120 U		210	10 U	1400	1500 D	2 J		730	0.7 J				
Indeno(1,2,3-cd)pyrene	3,200	120 U	10 U	120 U		290	10 U	860	1200 D	10 U		400 J	10 U				
Naphthalene	13,000	120 U	10 U	120 U		60 J	10 U	1000	1200 D	10 U		440 U	10 U				
Phenanthrene	50,000***	93 J	10 U	120 U		1300	0.9 J	4700	5500 D	4 J		2000	0.8 J				
Pyrene	50,000***	92 J	10 U	81 J		1500	10 U	6200 E	6700 D	0.7 J		440 U	0.4 J				
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	55		122	132	370		332			170	332		156	57	89	140
PCBs	500 ug/Kg	323 J		182 J	82 J	105 J		45 J			82 J	62 J		1 J	11 J	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-17A/B	GP-17B/C	GP-17D/E	GP-18A/B	GP-18C/D	GP-18D/E	GP-19A/B	GP-19B/C	GP-19D/E/F	GP-20A	GP-20B	GP-21A	GP-21B	GP-21C
Depth (feet below land surface)		0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 12	0 - 3	3 - 6	0 - 3	3 - 6	6 - 10
Date Sampled		27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	26-May-98	26-May-98	26-May-98	26-May-98	26-May-98
Parameter															
	Toxicity Characteristic														
RCRA Metals (ug/L)	Standards (ug/l)														
Arsenic	5,000								300 U	300 U	300 U		300 U		
Barium	100,000								1050	1070	1320		1820		
Cadmium	1,000								5.8	5 U	6.1		55.6		
Chromium	5,000								11	15.7	10 U		10 U		
Lead	5,000								311	104	653		588		
Mercury	200								2 U	2 U	2 U		2 U		
Selenium	1,000								500 U	500 U	500 U		500 U		
Silver	5,000								10 U	10 U	10 U		10 U		
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)														
Aroclor-1016									33 U	33 U	33 U		33 U		
Aroclor-1221									67 U	67 U	67 U		67 U		
Aroclor-1232									33 U	33 U	33 U		33 U		
Aroclor-1242									33 U	33 U	33 U		33 U		
Aroclor-1248									22 J	24 J	33 U		21 J		
Arclor-1254									42	74	33 U		62		
Aroclor-1260									20 J	50	11 J		36 J		
Total PCBs	1, 000 (surface)								84	148	11		119		
Total PCBs	10,000 (subsurface)														
PAHs (ug/Kg)															
Acenaphthene	50,000***								100 J	5500 J	49 J		38 J		
Acenaphthylene	41,000								81 J	330 U	24 J		330 U		
Anthracene	50,000***								150 J	12000	220 J		89 J		
Benzo(a)anthracene	224 or MDL								560	13000	920		290 J		
Benzo(b)fluoranthene	1,100								840	5700 J	740		210 J		
Benzo(k)fluoranthene	1,100								600	5500 J	700		230 J		
Benzo(g,h,i)perylene	50,000***								280 J	7000 J	280 J		230 J		
Benzo(a)pyrene	61 or MDL								1000	9700	850		260 J		
Chrysene	400								680	13000	1100		300 J		
Dibenz(a,h)anthracene	14 or MDL								300 J	5400 J	300 J		260 J		
Fluoranthene	50,000***								1000	22000	1500		450		
Fluorene	50,000***								78 J	7000 J	66 J		37 J		
Indeno(1,2,3-cd)pyrene	3,200								400 J	7400 J	380 J		310 J		
Naphthalene	13,000								32 J	4400 J	330 U		330 U		
Phenanthrene	50,000***								350 J	42000	860		320 J		
Pyrene	50,000***								1300	30000	1300		370 J		
2-Methylnaphthalene	36,400								330 U	3900 J	330 U		330 U		
Immuno Assay (UG/Kg)	MDL														
PAHs	4 ug/Kg	222	42	26	36	16	8	19	888	494	618	444	244	7	99
PCBs	500 ug/Kg	ND	3 J	12 J	ND	90 J	42 J	121 J	ND	121 J	ND	247 J	63 J	42 J	90 J

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

DAMES & MOORE – DATA 1998

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Soil Sample ID / Depth	SB-1A 6'-8'	SB-2 0'-2'	SB-3 2'-4'	SB-4 0'-2'	SB-7 2'-4'	SB-8 4'-6'	BS-1 1'	Regulatory Guideline
PARAMETER DETECTED								
VOCs (ug/Kg)								
Acetone	190	NA	43	NA	NA	60	NA	200
2-Butanone	40	NA	19	NA	NA	18	NA	300
Ethylbenzene	6	NA	ND	NA	NA	ND	NA	5,500
Styrene	2J	NA	ND	NA	NA	ND	NA	16,000,000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Naphthalene	28J	NA	ND	NA	ND	160J	NA	13,000
2-Methylnaphthalene	[illegible]	NA	ND	NA	ND	[illegible]	NA	[illegible]
Acenaphthylene	ND	NA	ND	NA	ND	48J	NA	41,000
Acenaphthene	ND	NA	ND	NA	ND	68J	NA	50,000
Phenanthrene	44J	NA	26J	NA	ND	ND	NA	50,000
Anthracene	ND	NA	6J	NA	ND	ND	NA	50,000
Di-n-butylphthalate	ND	NA	22JB	NA	ND	ND	NA	NE
Fluoranthene	49J	NA	40J	NA	29J	65J	NA	50,000
Pyrene	99J	NA	37J	NA	25J	1,200	NA	50,000
Benzo (a) anthracene	41J	NA	ND	NA	ND	600	NA	224
Chrysene	86J	NA	ND	NA	ND	670	NA	400
bis(2-Ethylhexyl) phthalate	1,500	NA	120J	NA	ND	15,000	NA	880*
Benzo (b) fluoranthene	39J	NA	ND	NA	ND	300J	NA	880*
Benzo (k) fluoranthene	34J	NA	ND	NA	ND	230J	NA	1,100
Benzo (a) pyrene	ND	NA	ND	NA	ND	320J	NA	61
Indeno (1,2,3-cd) pyrene	ND	NA	ND	NA	ND	84J	NA	880*
Benzo (g,h,i) perylene	ND	NA	ND	NA	ND	55J	NA	56,000
PCBs (ug/Kg)								
Aroclor -1242	ND	NA	ND	ND	ND	13,000	NA	NE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND	[illegible]	[illegible]
Aroclor -1260	ND	NA	91	ND	ND	ND	NA	NE
Total PCBs	49J	NA	180	ND	ND	13,000	NA	1,000/ 10,000**
8 RCRA Metals (mg/Kg)								
Arsenic	23.1	4.3	14.1	5.6	7	8.4	8.3	7.5 or background
Barium	1000	349	312	410	245	198	133	300 or background
Cadmium	2.6	0.22U	0.24U	0.22U	0.23U	0.22U	0.35U	1.0 or background
Chromium	163	83.4	60.9	97.5	97.7	40.7	46.9	10 or background
Lead	1770	208	593	34	24.5	372	97.8	background
Mercury	1.1*N	0.10U*N	0.12U*N	0.078U*N	0.092U*N	0.19*N	0.33*N	23*
Selenium	5.6	2	5.6	1.6	2.3	3.9	3.9	2.0 or background
Silver	6.2	0.22U	6.2	0.22U	0.23U	1.2B	0.35U	390*

Notes:

Soil samples collected on March 5, 1998

ug/Kg: microgram per kilogram or part per billion.

mg/Kg: milligram per kilogram or parts per million.

B: Indicates compound was found in the associated blank.

J: Value is less than the laboratory reporting limit but greater than zero.

NA: Not Analyzed

ND: Not Detected above lab quantitation limits.

NE: None Exists

[ ] Exceeds Regulatory Guidance Limit

Regulatory Guideline: "New York State Department of Environmental Conservation (NYSDEC) Hazardous Waste Remediation Division Technical and Adminstative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-92-4046", November 16, 1992.

* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III. *Risk-Based Concentration (RBC) Table*. April 19, 1996. [Category: "soil ingestion:residential" (most stringent)]

** PCB Cleanup Guideline 1,000 ug/kg in surface soils, 10,000 ug/kg in subsurface soils

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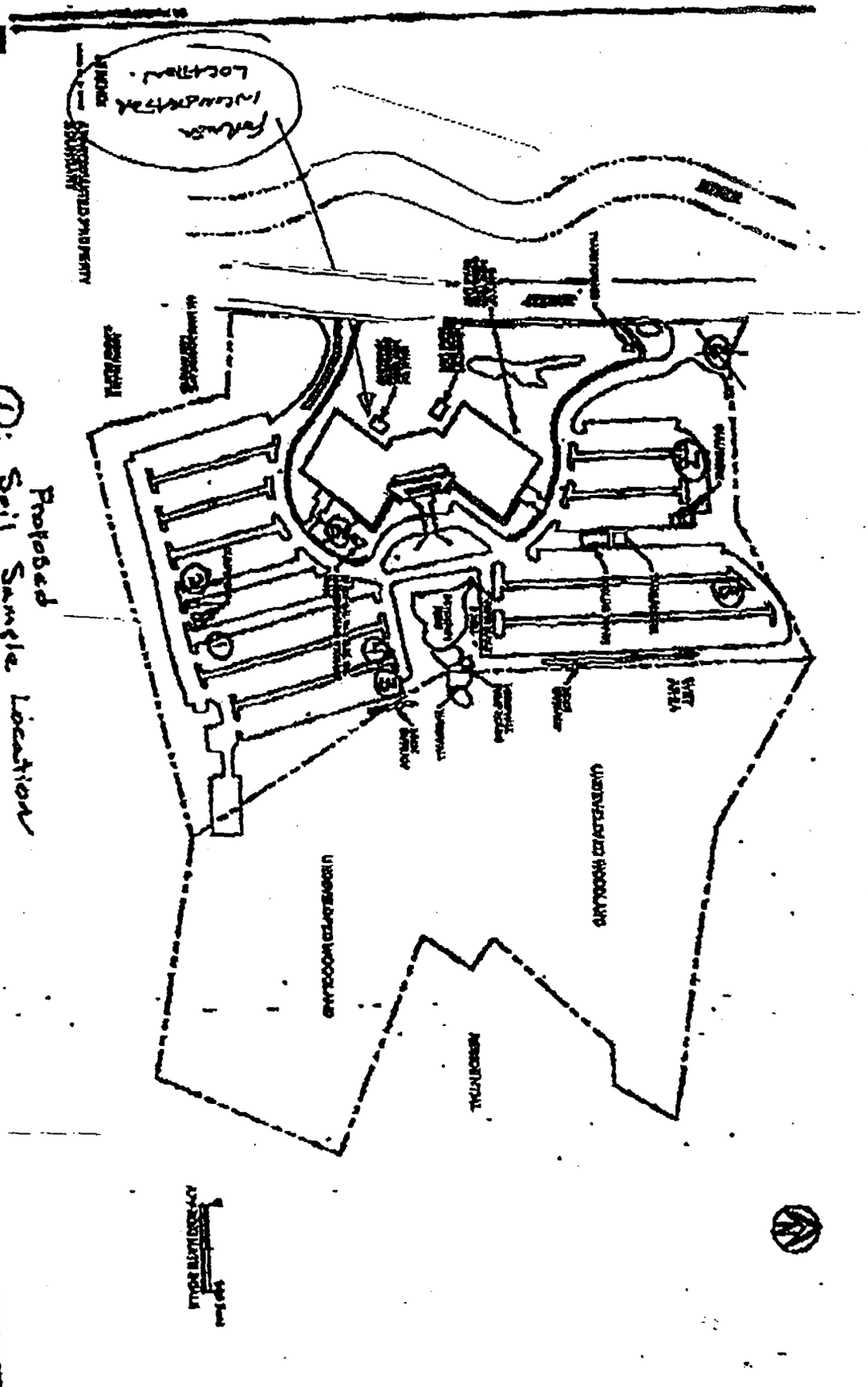
Groundwater Sample ID	PW-1	SB-3-GW	Regulatory Guideline
PARAMETER DETECTED			
VOCs (ug/L)	ND	ND	Variable
SVOCs (ug/L)			
Diethylphthalate	ND	0.7J	50
Di-n-butylphthalate	0.6JB	ND	NE
bis(2-Ethylhexyl) phthalate	0.8J	ND	4.8*
8 RCRA Metals (mg/L)			
Arsenic	2.0U	2.0U	25
Barium	27B	68B	1,000
Cadmium	1.3B	1.5B	10
Chromium	1.0U	1.3B	50
Lead	1.1B	1.8B	25
Mercury	0.2U	0.3	2
Selenium	2.0U	2.0U	10
Silver	1.0U	1.0U	50

Notes:
Groundwater samples collected on March 5, 1998
ug/L: microgram per liter or part per billion.
mg/L: milligram per liter or parts per million.
NA: Not Analyzed
ND: Not Detected above laboratory quantitation limits.
NE: None Exists
J: Value is less than the laboratory reporting limit but greater than zero.
B: Indicates compound was found in the associated blank.
Samples collected from PW-1 collected in pre-preserved containers for total 8 RCRA Metals Analysis
Samples collected from SB-3-GW filtered prior to preservation for dissolved metals analysis
Regulatory Guideline: "Water Quality Regulations, Surface Water and Groundwater Classifications and Standards 6NYCRR, Title 6, Chapter X, Parts 700-705", September 1991, amended October 7, 1993.
* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III. *Risk-Based Concentration (RBC) Table*. April 19, 1996. [Category: "tap water" (most stringent)]


Proposed
Soil Sample Location
Borings 5 & 6 not made.

AKRF, INC.

April 1997

AKRF, Inc.

ENVIRONMENTAL CONSULTANTS
149 Water Street • Norwalk, CT 06854

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVENUE
HARRISON, NEW YORK
PROJECT NUMBER: 5235

Prepared for:
500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York
10528-1600

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April 1997

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FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Plan

APPENDICES

Appendix A - Photographic Documentation

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1 - Site Location Map. The study site is defined by the Town of Harrison as Block 482, Lot 8 and is shown on Figure 2 - Site Plan. The approximately 34.5 acre study site is currently occupied by one five-story commercial office building with a sub-basement. The building was originally constructed in 1983, with tenant occupancy beginning around 1986. The remaining portions of the study site include bituminous paved parking areas and landscaped shrubbery and lawns. Properties abutting the site include: 550 Mamaroneck Avenue, an office building, to the north; residential buildings to the east; 450 Mamaroneck Avenue, an office building, to the south; law offices and the Acorn Farm & Garden Center to the east along the southern parking area; and the Mamaroneck River to the east across Mamaroneck Avenue.

The scope of services for this assessment included the following:

- A review of published geological and groundwater information to determine the possibility of contamination from off-site sources.

- A review of historical Sanborn Fire Insurance Maps for the study site and adjacent properties.

- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the US EPA Civil Enforcement Docket.

- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); and Major Oil Storage Facilities (MOSF).

- A review of available local Building Department, Engineering Department, Health Department, Fire Department, and Tax Assessor's records was conducted to obtain any information pertinent to the assessment of the environmental condition of the study site. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on February 12, 1997 by Mr. Timothy J. Groninger of AKRF, accompanied by Mr. John Stilgebauer, building superintendent. The inspection was conducted at 8:00 a.m. At the time of the inspection, the weather was fair (35° F) and overcast. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The study site contained of a four-story office building and associated parking. The site consisted of approximately 34.5 acres, including approximately 17 acres of undeveloped woodland located along the eastern side parcel. The building was originally constructed in 1983, with tenant occupancy beginning in 1986. Bituminous paved parking areas were located north, east, and south of the building. One artificial pond with an artificial waterfall was located east of the building, and one smaller pond was located west of the building. The waterfall was supplied water via an on-site well located along the northern edge of the pond. The pump for the waterfall was located within a pump house. A 5-gallon bucket of antifreeze was observed in the pump house, which Mr. Stilgebauer used as coolant for the pump. According to Mr. Stilgebauer, water in the pond is replaced twice a year when the pond is cleaned. Study site stormwater, including storm drains located throughout the parking lot, and the outflow from the pond, discharge to county storm sewers located along Mamaroneck Avenue. A fill cap and access vault cover for an underground fuel oil storage tank were noted between the southeastern wall and the sidewalk. Mr. Stilgebauer stated that the tank had a 20,000 gallon capacity.

The western side of the study site was landscaped with lawn areas and a small pond surrounded by taller grasses and other vegetation. Several air conditioning units were noted along the western edge of the building. No unusual staining, odors, or storage of hazardous materials were observed over the study site exterior.

The building consisted of five stories and a sub-basement. The building was constructed of a lift-slab on steel frame with a glass facade and contained offices for the following tenants: Advantis, American Express Financial Services, Bank of New York, Canada Life Insurance Company of New York, Castle Oil Corporation, Food City Markets, Frenchrail, Tom Julius, Metric Tours, Rail Europe Group, Rich Worldwide, and Schulman Realty. Tenants occupied each floor, and maintenance/facilities and a cafeteria occupied the second floor.

The sub-basement utilities included: five fuel oil boilers, two 300-ton Trane air conditioning units, four Graham blower control units, four 40-hp air supply fans, four 20-hp air return fans, and the pneumatic control system compressor. The compressor blow-out piping was connected to a floor drain. According to Mr. Stilgebauer, the floor drain was connected to the County sanitary sewer. Sub-basement chemical storage included six 55-gallon drums labeled "EGI Coolant," used as

antifreeze for the boiler cooling water, and several bags of asphalt mix. The drums were empty, and Mr. Stilgebauer informed AKRF that he was in the process of switching coolant brands.

The fire control system for the building was located in the central portion of the basement, which was referred to as the first floor by the building owners. The fire control system consisted of ceiling-mounted water sprinkler units. Chemical storage in the fire control room included paints, thinners, and motor oil, which were observed to be neatly stored in a combustion cabinet.

The elevator room, located east of the elevator shaft on the basement ("first") floor included five hydraulic units that appeared to be in good condition. No staining or other evidence of leakage was noted. Mr. Stilgebauer informed AKRF that maintenance for these components was contracted off-site; no on-site oil storage was necessary. One partially empty five-gallon pail of #27 hydraulic oil was observed in the elevator room. The electric and telephone rooms, located on the basement ("first") floor, were observed to be clean and free of debris. The cafeteria, located in the northern portion of the basement ("first") floor, included a full kitchen, several refrigeration units, stoves, and a dishwashing machine. Dishwashing wastewater was discharged to a floor drain, which was reported to be connected to County sanitary sewer.

2.2 Topography and Hydrogeology

The site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the study site, based on the National Geodetic Vertical Datum (NGVD) of 1929, according to the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck, New York Quadrangle. Based on topographic mapping and features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the study site.

According to the September 1994 General Geology Map of Putnam and Westchester Counties, New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property, as shown on Figure 2.

2.3 Storage Tanks (USTs and ASTs)

2.3.1 Underground Storage Tanks (USTs)

One registered underground storage tank was located on-site, approximately 50 feet southeast of the southeastern corner of the building. The 20,000 gallon tank, containing No. 2 fuel oil, is used to heat the building.

Off-site USTs are discussed in Section 4.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

No aboveground storage tanks were noted during the site inspection.

2.4 Polychlorinated Biphenyls (PCBs)

Two concrete pad-mounted electric transformers were identified on-site. One of the transformers, located on the northwestern corner of the study site, was owned by Consolidated Edison. The second transformer, located north of the building between rows of parking, was owned by 500 Mamaroneck Avenue Associates. Both transformers were observed to be in good condition, with no visible signs of staining.

2.5 Utilities

Consolidated Edison (ConEd) supplies electricity and Westchester County provides potable water and sanitary sewer service to the study site. According to representatives from the Harrison Building Department, water and sewer service were connected at the time of the building's construction.

2.6 Waste Management and Chemical Handling

Five dumpsters were located on the study site; three were located in the southern parking area and two were located in the northern parking area. No hazardous materials or staining were noted around the dumpsters. The dumpsters were reported to be emptied daily by A-1 Compaction. Waste paper for recycling was observed in a room on the eastern side of the second floor. Floor drains were connected to the sanitary sewer system, and site drainage discharged to Westchester County storm sewers, located along Mamaroneck Avenue.

Maintenance- related chemicals, such as cleaning agents, paints, oils, antifreeze, and deicing agents were stored in sufficient quantity for short term use. Observed chemicals were neatly stored in clearly marked containers. No long term storage of these chemicals was observed.

3.0 ADJACENT LAND USE

According to the Town of Harrison Building Department, the subject property is located in an area zoned SB-1, Special Business, which allows for commercial office space. The study site is abutted by: 550 Mamaroneck Avenue to the north (multi-story commercial office building); residential areas to the east; 450 Mamaroneck Avenue (multi-story commercial office building housing Citicorp North America), the Law Offices of Clune, Hayes, Frey, Bentzen, & Cline, P.C. (single-story converted office space) and Acorn Farm & Garden Center (retail) to the west; and the Mamaroneck River to the west across Mamaroneck Avenue.

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Sanborn Mapping

Maps of the study site and vicinity were requested from the Sanborn Mapping and Geographical Information Service. Sanborn maps dated 1996, 1995, 1994, 1993, 1992, 1990, 1950, and 1934 were available and were reviewed. Details from the maps are as follows:

1996 The subject property and surrounding areas appeared similar to present conditions. The study site was identified on the map as a glass office building constructed in 1987. Two office buildings were mapped north of the study site, beyond which was the Kentucky Riding Stables. Harrison High School and a utility substation were located northeast of the study site, beyond a row of houses on Union Avenue. Additional residential areas were identified to the east and southeast. No coverage was available to the south and west.

1995 - 1990 The study site and surrounding areas appeared similar to the 1996 map.

1950 The study site was undeveloped. Property boundaries in this vicinity appeared different to the property lines noted in later maps. North-adjacent office buildings shown in later maps were not present. The Kentucky Riding Stables was labeled the Kentucky Riding Academy. The utility substation and Harrison High School were not present. None of the residences shown in later maps along Union Avenue were present. Residential areas located to the east and southeast of the study site were noted to be less densely developed.

1934 The study site and surrounding areas appeared similar to the 1950 map. Residential areas located southeast of the study site were noted to be less densely developed than in the 1950 map.

4.2 Regulatory Review

AKRF reviewed federal, state, and local records to identify the use, generation, storage, treatment, and/or disposal of hazardous materials and chemicals, or releases of such materials which may impact the subject site. AKRF personnel reviewed databases maintained by the US EPA and New York State Department of Environmental Conservation (NYS DEC) for the study site and adjacent areas.

4.2.1 Federal

The federal records reviewed included the National Priority List (NPL) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the Civil Enforcement Docket.

National Priority List (NPL)

The NPL is the US EPA's database of hazardous waste sites identified for probable remedial action under the Superfund Program.

No NPL sites were identified within a one-mile radius of the study site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the EPA has investigated, or plans to investigate, for a release or threatened release of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA).

No CERCLIS sites were identified within a one-half mile radius of the site

Emergency Response Notification System (ERNS)

This federal database is compiled from the Emergency Response Notification System records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property is not currently listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the US EPA and/or NYS DEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. Data includes the maximum amount stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on transfer of chemicals off-site.

No TRIS sites were identified within a one-quarter mile radius of the project site.

incinerator from 1954 to 1970 and a municipal refuse transfer station from 1970 to 1983. Construction for the foundation of the present structure began in October 1984, and construction of the main four-story office building began in April 1985.

Engineering Department

According to Ms. Carol McGowan of the Village-Town of Harrison Engineering Department, 500 Mamaroneck Avenue is connected to municipal sanitary sewer and potable water services. The study site is within the Mamaroneck Valley Water District of the Westchester Joint Water Works.

Health Department

A Freedom of Information Letter was sent to the Westchester County Department of Health. At the time of release of this report, no information had been provided by this agency.

Fire Marshal

According to an employee of the Village-Town of Harrison Fire Department, the Fire Marshal of the Village-Town of Harrison transferred all records to the Village-Town of Harrison Building Department. No information regarding underground storage tanks, oil and/or chemical spills, storage of hazardous materials or fires was on file for the study site property.

5.0 CONCLUSIONS

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York. The approximately 34.5 acre site consisted of a five-story office building with an approximately 52,000 square foot footprint. The remaining portions of the study site included bituminous paved tenant parking areas and landscaped shrubbery, lawns, and two ponds. The eastern portion of the study site contained undeveloped wooded land. Construction of the structure began in 1984, and tenants began occupancy around 1987. Prior to its current usage, the northern portion of the study site was used as a domestic refuse transfer station (from 1970 to the early 1980's) and a domestic refuse incinerator (from 1954 to 1969).

No on-site leaks, discharges, or evidence of spillage of hazardous materials were observed at the study site. No current uses indicated potential environmental concerns. No off-site sources of contamination were identified. The following conditions were noted:

- Historical research indicates that prior study site uses include a solid waste transfer station,

and a domestic refuse incinerator.

- One water supply well was identified on-site. The well was reported to be used to fill the eastern pond twice a year subsequent to draining and cleaning the pond, and is not used as a potable water source. Water pumped out of the pond is discharged to the Westchester County storm sewers.

- The study site utilizes a 20,000-gallon fuel oil underground storage tank. The fiberglass reinforced tank, installed in 1982, is permitted until January 18, 1999, and appears to meet current New York State Department of Environmental Conservation (NYSDEC) and Environmental Protection Agency (EPA) tank regulations.

Past usage of the study site as a transfer station and incinerator may have affected soil and groundwater beneath the study site.

6.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property. The work was performed by AKRF personnel in accordance with our February 5, 1997 proposal and is subject to AKRF's General Terms and Conditions. The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E 1527-94, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. It is intended for use as a guide in determining the presence or absence of hazardous materials on the subject property at the time of the inspection. Environmental characteristics at this site and surrounding sites will change.

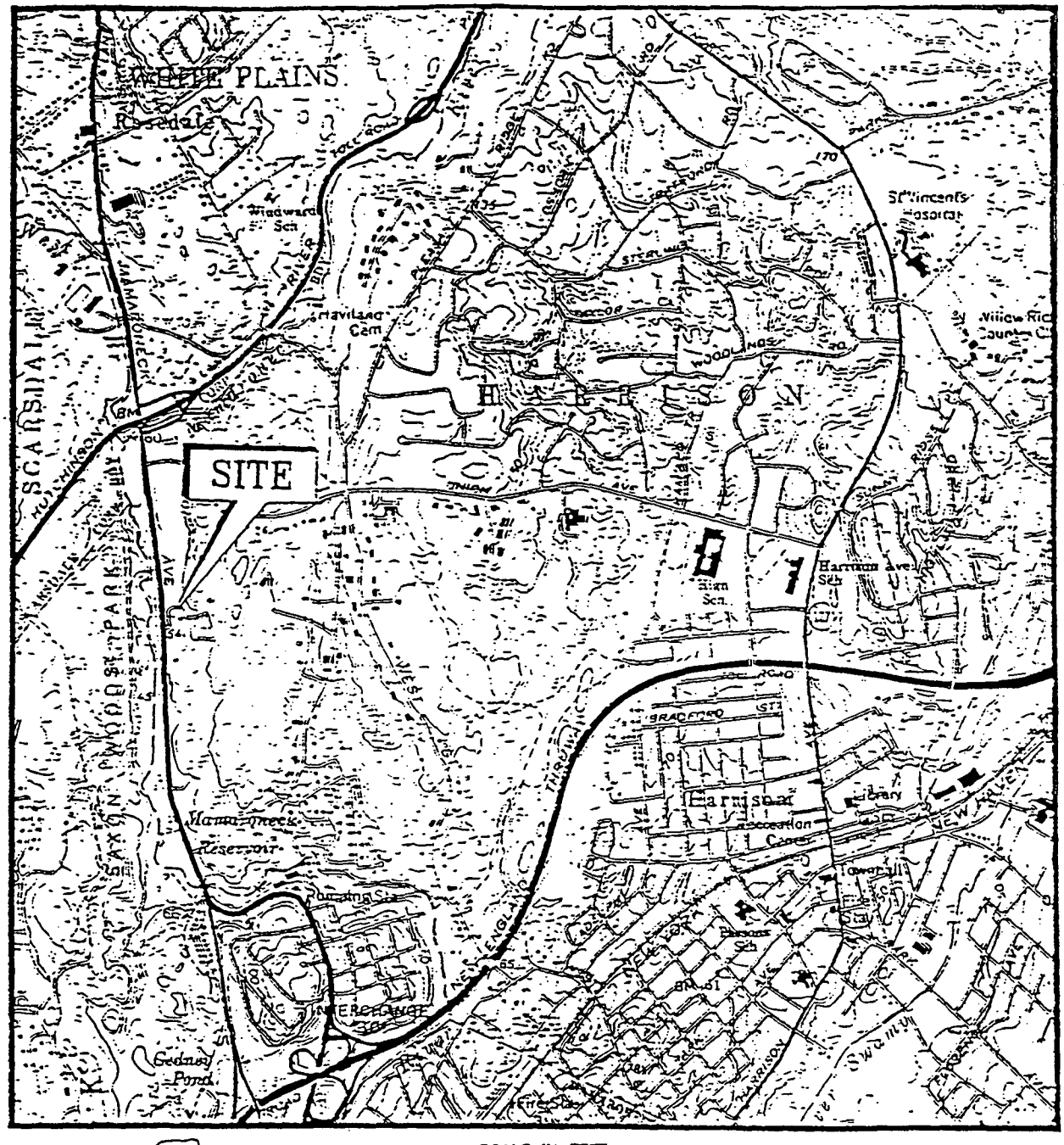
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances.

7.0 REFERENCES

1. U.S. Geological Survey; Mamaroneck Quadrangle - N.Y. - Conn.; 7.5 Minute Series (Topographic); Scale 1:24,000.

2. Environmental Risk Information & Imaging Services; *500 Mamaroneck Avenue, Harrison, New York; ERIIS Custom Detail Radius Report*; February 12, 1997.

3. United Stated Department of Agriculture, Soil Conservation Service; *Soil Survey of Putnam and Westchester Counties, New York*; September 1994.



QUADRANGLE LOCATION

SCALE IN FEET

0' 500' 1000' 1500' 2000' 3000' 4000'

SCALE: 1"=2000'

SOURCE:

USGS TOPOGRAPHIC MAP – MAMARONECK, N.Y.–CONN. QUADRANGLE – DATED 1967 PHOTOREVISED 1975.

N W E S

500 MAMARONECK AVENUE MAMARONECK, NEW YORK	AKRF, Inc. Environmental Consultants 149 Water Street Norwalk, Connecticut 06854	DATE 2/12/97 PROJECT No. 5235
SITE LOCATION MAP		FIGURE No. 1

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U.S. HYGROGEOLOGIC, INC.

October 1989

U.S. HYDROGEOLOGIC, INC.

ENVIRONMENTAL

AUDIT

October 26, 1989

Prepared By:

U.S. Hydrogeologic, Inc.
328 Main Mall
Poughkeepsie, NY 12601

Prepared For:

Henry M. Celestino
Schulman Management
925 Westchester Ave.
White Plains, NY 10604

Project Manager:

John A. Conrad
Senior Hydrogeologist

This preliminary investigation assesses the likelihood that contamination from hazardous or regulated materials stored, used or disposed of is present on the property described herein. This report has been prepared in conformance with reasonable investigatory practices, including the review of public records, inspection of site vegetative and topographic features and such other analytic procedures as we considered necessary in the circumstance.

October 26, 1989

Job Number: SH90200

Site Identification:	**Town of Harrison, Westchester County** **Tax Block 428, Lot 8, (formerly Lots 8, 26, and 26.1)**
Property Size:	**34.65 acres**

1.0 Introduction

This Environmental Audit is intended to identify potential environmental risks associated with the storage, use, transport, or disposal of hazardous or regulated materials on a 34.65 acre parcel in the Town of Harrison, Westchester County, New York, Tax Block 428 Lot 8, (formerly lots 8, 26, and 26.1).

The specific components of this investigation are as follows:

1. Investigation of the site's history, including a review from readily available sources that document changes or activities of concern on the subject property and adjacent properties. For this analysis, aerial photographs taken during the years 1947 - 1986 were reviewed in addition to road maps, USGS topographic maps, Town of Harrison tax maps, assessment records, and interviews with current facility owner/operators. A complete list of sources and personal communications are provided in Section 5.0 of this report.

2. Review of records maintained by state and local environmental agencies, including NYSDEC petroleum and chemical bulk storage records, the USEPA National Priority List and the NYSDEC list of inactive hazardous waste sites, Westchester County Health Department records.

3. Site inspection of the property, with particular concern for topographic or vegetative indications of surface or subsurface contamination.

4. Laboratory analysis of soil and groundwater samples.

This written analysis is an assessment of the 34.65 acre site in the Town of Harrison, New York, and is not valid for any other property or location. It is a representation of the property analyzed as of the dates of record reviews and the site inspection. This report cannot be held accountable for activities or events resulting in contamination after the date of site inspection or historic research.

This Audit was performed in accordance with generally accepted practices. The findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on our professional judgement concerning the significance of the limited data gathered during the course of this study. Specifically, this assessment does not and cannot represent that the site contains no contamination from hazardous materials.

This Audit is based in part on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state and/or local agencies available at the time of this Audit. No attempt was made to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

It is intended for the sole use of Schulman Management and must be used in its entirety.

2.0 Site Location and Description

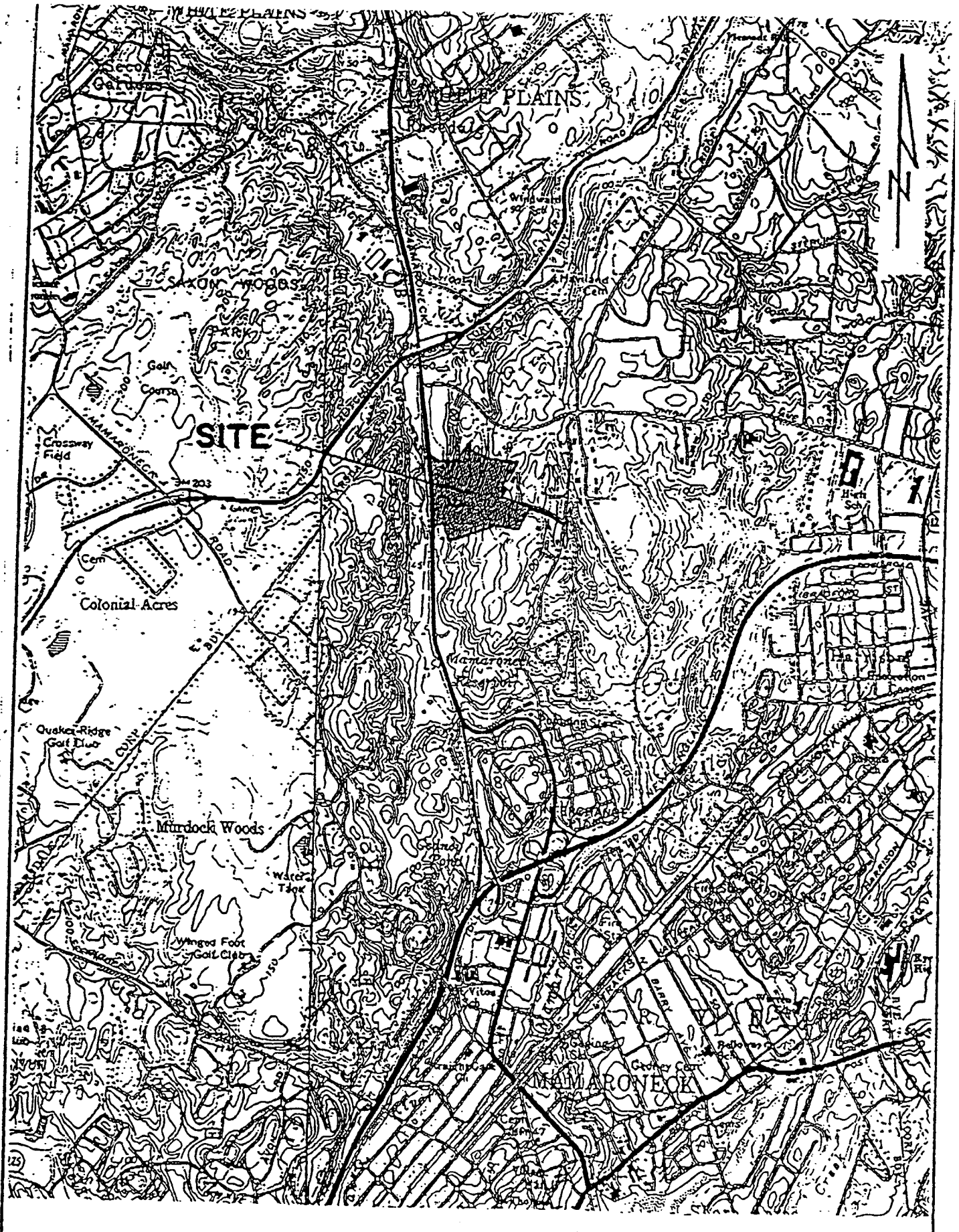
The subject property consists of 34.65 acres in the Town of Harrison, Westchester County, New York. The property is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue (Location Map). The entire site is comprised of one tax parcel, Lot 8 (formerly Lots 8, 26, and 26.1), and has approximately 1000 linear feet of frontage along Mamaroneck Avenue. The property also has 25 feet of frontage on Winfield Avenue.

Approximately 14 acres of the site have been improved in conjunction with the construction of one five-story office complex, totalling 275,000 square feet. Each story contains 55,000 square feet in gross floor area. The parking area covers approximately 9 acres. Water is provided by the municipal system. The site has no drinking water wells. One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system. Site features are shown on the Site Features Map.

Site topography has changed substantially as a result of on-site construction activities. Approximately 200,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site.

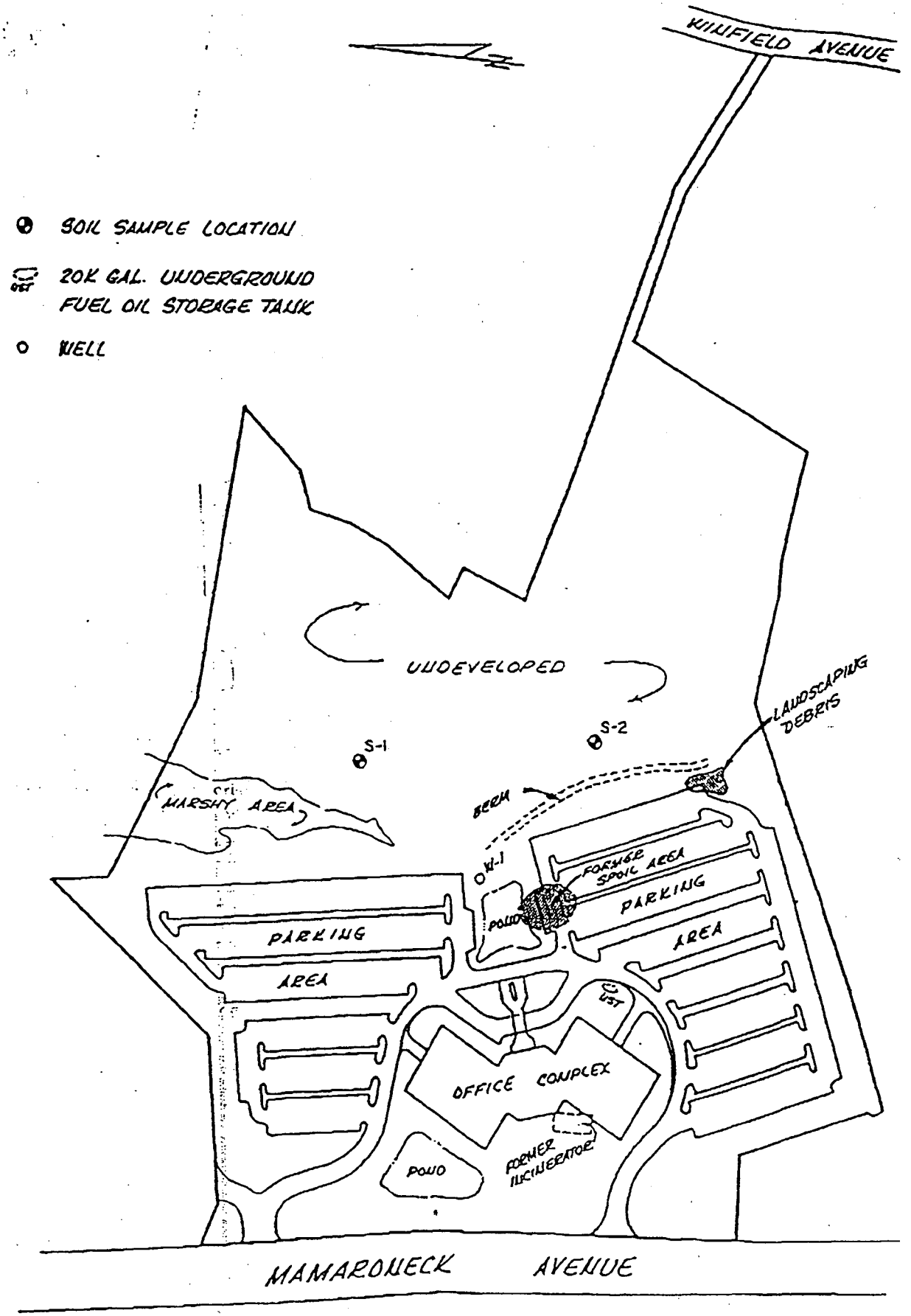
The site currently rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store. All adjacent parcels are down-gradient of the undeveloped portion of the subject property.



BASE MAP: USGS Topographic Quadrangles - Mamaroneck, 1967, photoinspected 1975 & Mount Vernon, 1966, photorevised 1979

SITE LOCATION	DATE: 10/89
	SCALE: 1"=2000'
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 4



NOTE: All locations are approximate.

BASE MAP: Compiled from Westchester County Tax Maps & GZA Environmental Assessment - Figure 2, Site Plan, May 1986

SELECTED SITE FEATURES & SAMPLE LOCATIONS	DATE: 10/89
	SCALE: N/A
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 5

3.0 Background Investigation

3.1 Site History

Subject Property:	Tax Map Town of Harrison Block 428, Lot 8 (formerly Lots 8, 26, and 26.1)	
		Date of Purchase
Current Owners[1]:	Schulman, Lowell M.	1983 to present
Previous Owners[1]:	Lot 8: Arthur Marros	to 1983
	Lot 26: Town of Harrison	to 1983
	Lot 26-1: Richard Harmony	to 1983

The site currently contains one primary structure: a five-story office building (275,000 square feet) and associated paved parking and landscaping. Tax records list one office building, built in 1986, and one receiving dish of steel and aluminum construction installed in 1989. Records also show that this site is provided with municipal water and sewer.

A series of aerial photographs showing the subject property and surrounding property during the years 1947-1986 were reviewed in order to assess changes on the subject property and surrounding area.

Tax records show that the site is the former location of the Town of Harrison incinerator. This incinerator was reportedly built in 1954, and demolished in 1984.

A review of aerial photographs shows that up until 1954 the subject property appeared to be vacant land. In the 1954 aerial, the Town incinerator is clearly visible. From 1954 until 1980, the aerials show no major changes on the site. The incinerator appears in all of these aerials. In several of the aerials, a faint path or roadway is visible leading from the incinerator to the rear of the property. Also consistently visible in these aerials is a small area of soil disturbance located near Mamaroneck Avenue, north of the incinerator, on the subject property. No additional large scale soil disturbance or debris was noted on the subject property during this time period.

In the 1986 aerial, the current building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

From 1947 to 1960, there were signs of soil disturbance on properties located adjacent to and north of the subject property. This did not appear to be associated with construction of buildings which later occurred on the sites. In the 1960 aerial, which is of poor resolution, there is no sign of continued soil disturbance. A 1971 aerial of the area shows two buildings located on those adjacent sites which formerly showed signs of soil disturbance.

[1]Information on current or former property ownership is gathered from property cards and/or Westchester County records. This does not constitute a title search.

Two previous environmental assessments have been conducted. Copies of these reports are included in Appendix B. The first study is dated May 1986 and included limited soil and groundwater analysis. No areas of environmental concern were identified. A second study dated April 1988 again identified no environmental concerns.

3.2 Regulatory Review

A routine check of state and federal documents and sources was performed to identify recorded hazardous waste or regulated substance activities on the subject property.

The property is not listed with state or federal agencies as an inactive hazardous waste site. The nearest inactive hazardous waste site is Mamaroneck Senior Citizens Housing (Site Code 36002) in the Village of Mamaroneck, approximately 2.2 miles southeast of the subject property. Sampling of soil and wastes in May 1988 confirmed the presence of hazardous industrial waste resulting from activities in the 1950s to the early 1970s on the 7.85 acre Mamaroneck Senior Citizen's Housing site.

One underground storage tank is currently registered with the NYSDEC for this property. The tank is used for storing heating oil. Tank capacity is 20,000 gallons. The tank registration number is 494429.

The property is not currently registered with federal or state governmental agencies as a small quantity generator of hazardous waste, nor are the adjacent properties.

3.3 Site Investigation

The site inspection was conducted on October 12, 1989 in order to address any potential concerns raised during the investigations of historical records and regulatory agency records (above, Section 3.1 and 3.2) and to identify any additional indications of contamination from the storage, use and/or disposal of hazardous or regulated materials. An unoccupied portion of the facility was inspected, as well as the surrounding developed and undeveloped property. A visual inspection of adjacent and nearby properties was performed in conjunction with this inspection.

<u>Structures</u>

The site contains a 275,000 square foot office structure, constructed in 1986 by the current property owners. The building is a concrete and glass structure. There was no evidence of asbestos containing materials (ACM) in the walls or ceilings and there was no ACM visible on the hot water heating pipes inspected during the course of the internal inspection.

Internal areas inspected appeared to be free of lead paint, consistent with the age of construction. There is no evidence of older painted material in the building.

One transformer is present on the site, identification number 44W77W83. The transformer is the property of Consolidated Edison Company and is installed during construction of the existing facility, in 1986. Con Ed has verified that this transformer contains no PCBs. The transformer is stationed on concrete pads and secured; there was no evidence of oil leakage around the transformer.

Internal areas currently occupied by building lessees was not inspected; however, both tenants utilize the building for office purposes or for computer disassembly and reassembly. No chemicals are reported stored in these areas by the facility maintenance engineer, and no hazardous waste is generated by activities on the site.

The 20,000-gallon underground fuel oil storage tank is situated along the edge of the south parking area. The tank was installed in May 1986 and is constructed of fiberglass-reinforced plastic with steel piping. A vapor monitor leak detection system is in place. According to the facility engineer, product inventory is updated daily and there have been no leak or spill incidents. The tank was precision-tested following installation.

The area surrounding the bulk petroleum underground storage tank was relatively free of discoloration. Minor spillage, likely occurring during the course of filling the tank, was evident. The stained area was restricted to immediately around the fill pipe, and is not considered an indication of soil contamination.

Property

The property surrounding the building is comprised of a portion which is developed as parking and landscaping for the building, and a portion which is currently undeveloped. Both areas were physically inspected.

There was no indication of site contamination in the developed portion of the property. There was no surface staining in the parking area or the landscaped portion of the property. Drainage culverts did not appear to be stained, and the storm water detention area was generally free of foreign material (small amounts of leaves and other natural debris were present in the upper portion of the water detention area). Standing water in the lower portion of the detention area appeared to be slightly murky but was not discolored in any way. Further, there was no evidence of a sheen or oily film on this water.

At the extreme southeastern portion of the parking lot was a small landscaping debris area. The debris consisted of discarded plants, grass clippings, wooden baskets, and a few empty one to five gallon oil cans. There was no surface staining evident in this area. Slight turbidity of the standing water is likely the result of a sand pile present up-gradient of the water.

There was no evidence of contamination in the undeveloped portion of the site. This portion of the property is generally well-vegetated with mature hardwoods, indicative of an area undisturbed for a long period of time. The understory on the site appeared healthy, and consistent with the surrounding woodlands. There were no indications of vegetative stress in the trees or the understory, particularly in low-lying areas.

There is a sizable wet area in the northern portion of the property, immediately east of the parking area. This water was free of foreign material, and there was no evidence of water discoloration or sheens.

There is an elongate topographic high, or berm, immediately east of the south parking lot. This berm extends from the southeastern corner of the parking area to the beginning of the waterfall. White pines have been planted at regular intervals along its length. Vegetation along the berm is thick and healthy.

There was no evidence that material had been buried or disposed of in the undeveloped portion of the property. No berms, sinkholes, trenches or other evidence of buried material were identified. Further, there was no evidence of access roads or paths entering the undeveloped portion of the property, with the exception of the above mentioned construction road.

Prior reports on the property identified a berm located in the south-central portion of the property (see GZA report, Appendix B) and a "spoil area (misc. debris)" (EIS on 500 Mamaroneck Avenue, map on page C-2).

Those two areas are located entirely within the area disturbed during site development. It is assumed that a substantial amount of soil from the spoil area was removed from the site. The elevation of the current parking area is approximately 12-16 feet lower than the spoil areas, as estimated from a comparison of a map of 1983 site conditions and proposed site plan drawing.

Soil Samples

Two soil samples were collected from the site for laboratory analysis. The locations of these samples, S-1 and S-2, are shown on the Sample Location Map. Each sample was analyzed for cadmium, chromium and lead. The results of the analysis are summarized below:

Test	Sample S-1	Sample S-2
Cadmium	<1.41	<1.56
Chromium	65.4	41.7
Lead	136	77.6

* concentrations are mg/kg

Although each sample showed slightly elevated levels of the three metals, neither sample location exhibited high concentrations indicative of incinerator residue. Higher than normal metal concentrations are to be expected in industrial/urban settings. Analytical results are included in Appendix A.

Water Sample

One water sample (W-1) was analyzed from the single on-site well. The sample was collected from a tap near the wellhead and analyzed for volatile organic compounds (VOCs) according to EPA Method 602. No VOCs were detected. Analytical results are included in Appendix A.

4.0 Conclusions and Recommendations

Based on the records review, site inspection, and soil and groundwater analysis, no evidence of soil or groundwater contamination has been identified on the subject property. Although municipal waste was handled and incinerated at the site for several years, there appear to be no residual contaminants in the soil or water as a result of this activity. Large amounts of soil were reportedly removed from the site during development of the present office complex.

No potential areas of environmental concern were identified as a result of this study, and no additional investigations are recommended.

5.0 Sources of Information

Documents

Aerial photographs dated 1947, 1954, 1960, 1980, and 1986, various scales and resolution. Available at Westchester County Department of Planning, White Plains, NY. 1971 aerial photograph from Town of Harrison Building Department.

Environmental Impact Statement for 500 Mamaroneck Avenue, November, 1983. Prepared by J. Michael Divney Associates.

Environmental Risk Ltd., 1988, Site inspection report provided to Schulman Realty, Co., 9 p.

Goldberg, Zoino & Assoc., 1986, Environmental Assessment Report provided to Schulman Management Corporation, 5 p.

Inactive Hazardous Waste Disposal Sites in New York State, April, 1989, New York State Department of Environmental Conservation (NPL Reference).

Personal Communications

Monteiro, James. Town of Harrison Building and Maintenance Department.

APPENDIX A: LABORATORY ANALYTICAL RESULTS

CHEMTECH
CONSULTING GROUP, INC.
380 West 11th Street / New York, New York 10014 (212) 255-0100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Mehta
Laboratory Manager

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
367 VIOLET AVENUE
POUGHKEEPSIE, N.Y. 12601
(914) 473-9200

CHAIN OF CUSTODY

CLIENT Henry M. Celestino
Bill: Corporate Vice President
Schulman Realty Group

925 Westchester Avenue
White Plains, NY
10604-3583

SAMPLER L. Gamble, U.S. Hydrogeologic,

SAMPLE NO./ID	LOCATION/CONTAINER	DATE	TIME	SAMPLE TYPE	COMP	GRAB	No. of CONT.	ANALYSIS REQUIRED
W-1	well sample	10-12	1315	WATER ~~SOIL~~		X	1	BTX (602)
S-1	surface, pond area	10-12	1330	SOIL		X	1	Cd, Cr, Pb
S-2	surface, low area	10-12	1350	SOIL		X	1	Cd, Cr, Pb

Relinquished by:	Received by:	Date	Time
Lloyd Gamble			
Relinquished:	**Received by:**	**Date**	**Time**

Dispatched by:	Date	Time	Received for Laboratory by:	Date	Time
			Kathy Sullivan	10/12	5:05 pm

Method of Shipment:

Comments: W-1 analyze for BTX (602) - large container unpreserved

1-week turnaround for W-1

CAMO Containers

APPENDIX B: PREVIOUS ENVIRONMENTAL REPORTS

ENVIRONMENTAL RISK LIMITED

April 1988

ENVIRONMENTAL RISK LIMITED
120 Mountain Avenue Bloomfield, CT 06002 (203) 242-9933

April 11, 1988

Mr. Michael Curran
Schulman Realty Co.
925 Westchester Avenue
White Plains, NY 10604

RE: Schulman Realty Property, 500 Mamaroneck Avenue, Harrison, NY
ERL Project No. 7920-C85-88

Dear Mike:

Pursuant to your request, Environmental Risk Limited (ERL) has conducted a site inspection and limited environmental sampling as an update to the May 30, 1986 environmental assessment of the above referenced location prepared by Goldberg Zoino Associates of New York, PC (GZA).

The scope of ERL's assessment update included a review of the May, 1986 GZA environmental assessment, a site inspection by an ERL environmental scientist and the sampling and analysis of groundwater from an existing, on site bedrock well. A copy of the May, 1986 GZA report has been included as Attachment I.

On March 29, 1988, Gary Iadorola of ERL visited the subject property to observe site conditions and collect environmental samples. Observations from the site visit follow.

The property development is essentially the same as that reported by GZA in 1986, with the major exception being that construction of the building is complete. In summary, approximately ten acres of the site is developed into an office building with a 55,000 square foot footprint. The building is currently vacant, and there are no manufacturing or other commercial establishments observed on this property that generate any known hazardous wastes. In consideration of the proposed building use as office space, the only wastes that may be generated are those associated with operation and maintenance of an office facility. Surrounding the building on three sides are paved parking areas. Mamaroneck Avenue borders the front of the building to the west. The developed, ten acre parcel is surrounded on three sides by approximately 24 acres of undeveloped wooded open space and wetland.

The building is serviced by city water and sewers. The heat source is supplied by an on site boiler. Number two heating fuel used for the boiler is stored on site in a buried, 20,000-gallon steel tank. This tank was reported by Schulman Management to have been installed during 1986 with a protective coating and cathodic protection. It is generally recommended that this tank be integrity tested at least every five years.

The property was reported by GZA and Schulman personnel to be the former location of the Town incinerator and waste transfer station. It was further reported by GZA that during construction, most debris associated with the former incinerator and transfer station was removed as part of the construction site development. A soil berm at the south end of the parking area was identified as the only area that contained debris that may have been associated with the former incinerator and transfer station (e.g., glass, metal, plastic, and slag). Two samples of these soils were collected by GZA and analyzed for the E.P. Toxic heavy metals. The results of the analysis were reported to be an order of magnitude lower than the hazardous concentrations. Hard copies of the past laboratory analysis were not included in the GZA report.

ERL also reviewed the site in regards to the need, feasibility, and/or the practicality to install groundwater monitoring wells at this property.

During construction, the original grade was lowered by approximately eighteen feet, with an estimated 330,000 cubic yards of soil and rock removed from the site. As a result of this extensive site work, the building and the majority of the developed area are underlain by bedrock with little or no soil mantle. Therefore, if monitoring wells were installed, they would be installed into bedrock.

Through discussions with Schulman personnel, ERL learned that a bedrock production well exists near the center of the site downslope of the former incinerator. The primary purpose of the well is to supply water to an on-site waterfall. This well provides an ideal point to access groundwater in the bedrock under the site. Because the well is and has been under pumping conditions (approximately ten GPM), it is probable that the groundwater obtained is from a larger area than groundwater that may have been obtained by monitoring a static monitoring well.

On March 29, 1988, ERL obtained a groundwater sample from the on site production well. The sample was submitted to Connecticut Testing Laboratories of Meriden, Connecticut for analysis. The analysis included the EPA Method 601 and 602 volatile organic compounds (characteristic of petroleum hydrocarbons and chlorinated solvents), the E.P. Toxic metals, and cyanide. The results of these analysis show none of the analyzed compounds were found above the laboratory detection limits. Subsequently, the analyzed parameters meet currently established USEPA action limits and standards for drinking water quality. Copies of the laboratory analysis are included in Attachment II.

The results of the groundwater analysis provide further confidence to the May, 1986 conclusion made by GZA that there is no on-site indication of the presence of hazardous materials or oils in the environment at the 500 Mamaroneck Avenue site. Furthermore, based upon the past and recent history of the site and the environmental data collected to date, additional groundwater monitoring at this site does not appear warranted.

If you have any questions concerning this matter, please call me or Gary Iadorola at (203) 242-9933.

Very truly yours,

ENVIRONMENTAL RISK LIMITED

Frederick W. Johnson
Senior Associate

FWJ/dc
Attachments (2)
cc: H. Guy Liebler, Schulman

Attachment II

Laboratory Analysis of Groundwater
Samples Collected March 29, 1988

WATER

SOIL

AIR

STEPHEN J. FRANCO
Laboratory Director

CERTIFICATION
PH-0547

April 7, 1988

Environmental Risk LTD.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-305-1
P.O. No. 7920
Inv. No. 3228

Dear Mr. Johnson:

The following is a report of analysis on samples received March 29, 1988.

	WP-1
Arsenic - mg/l	ND<0.05
Barium - mg/l	ND<0.5
Cadmium - mg/l	ND<0.01
Chromium, Total - mg/l	ND<0.05
Lead - mg/l	ND<0.05
Mercury - mg/l	ND<0.002
Selenium - mg/l	ND<0.01
Silver - mg/l	ND<0.01
Cyanide, Total - mg/l	ND<0.05

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:hc

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

Environmental Risk LTd.
Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200
Page 3
March 31, 1988

EPA METHOD 602/8020/8015-ppb

	WP-1			
Benzene				
Toluene				
Ethyl Benzene				
P-Xylene				
M-Xylene				
O-Xylene				
1,4-Dichlorobenzene				
1,3-Dichlorobenzene				
1,2-Dichorobenzene				
Methyl Ethyl Ketone*				
Methyl Isobutyl Ketone*				
Acrylamide*	—			
Carbon Disulfide*	—			
Diethyl Ether*	—			
Paraldehyde*	—			

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb.

*The minimum detectable level for these (*) parameters was 50 ppb.

EPA METHOD 601/8010-ppb

			WP-1		
Chloromethane					
Bromomethane					
Vinylchloride *					
Chloroethane *					
Methylenechloride					
Trichlorofluoromethane					
11-Dichloroethylene					
11-Dichloroethane					
T12-Dichloroethylene					
Chloroform					
12-Dichloroethane					
111-Trichloroethane					
Carbontetrachloride					
Bromodichloromethane					
12-Dichloropropane					
T13-Dichloropropylene					
Trichloroethylene					
Dibromochloromethane					
112-Trichloroethane					
Cis13-Dichloropropylene					
2-Chlorethylvinylether *					
Bromoform					
1122-Tetrachloroethane					
Tetrachloroethylene					
Chlorobenzene					
Benzyl Chloride					
Bis (2-chloroethoxy)methane *					
Bis(2-chloroisopropyl)ether *					
Bromobenzene					
Chloracetaldehyde *					
1-Chlorohexane					
Chloromethyl methyl ether *					
Chlorotoluene					
Dibromomethane					
12-Dichlorobenzene					
13-Dichlorobenzene					
14-Dichlorobenzene					
Trichloropropane					

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb .

*The minimum detectable level for these (*) parameters was 10 ppb .

WATER

SOIL

AIR

March 31, 1988

Environmental Risk LTd.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200

Dear Mr. Johnson:

The attached report are results of analysis for samples received March 29, 1988.

The samples were analyzed by Gas Chromatography and results are reported in ppb.

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

STEPHEN J. FRANCO
Laboratory Director

CT CERTIFICATION
PH-0547

SJF:hc

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

CKL

CHAIN OF CUSTODY RECORD

Place & Address Of Collection	Samplers Name (Signature)
White Plains, N.Y.	Gary Sadarola
	Assistant (Witness) (Signature)
	Job Number 7920

Sample Number	Sample Location	Type Container	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
WP-1	2	Glass	40 ml	No	3-29-88	1230 PM	✓				
WP-1	1	Plastic	1 qt.	No	"	"	✓				
WP-1	1	Plastic	1 qt	Sodium Hydroxide	"	"	✓				

Relinquished By (Signature)	Received By (Signature)	Date	Time
Gary Sadarola	S Fraser	3-29-88	2:45 PM
Relinquished By (Signature)	Received By (Signature)	Date	Time
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address Of Laboratory

ANALYSIS REQUIRED
SAMPLE IDENTIFICATION ☒

Parameters	Sample Number	Parameters	Sample Number: WP-1
Al		NO_2-N	
As		(Ortho) PO_4-P	
Ba		(Total) PO_4-P	
Ca		Oil & Grease	
Cd		Phenols	
Cr^{+6}		CN^--A	
Cr-T		CN^--T	✓
Cu		TKN	
Fe-D		Organic-N	
Fe-T		TOC	
Pb		pH	
Mg		STD Water	
Mn-D		Fecal Coliform	
Mn-T		Fecal Strep.	
Na		Total Coliform	
Hg		Flouride	
Ni		Chloride	
Ag		8010	✓
Se		8020	✓
V.		8080	
Zn		8015	
TSS		TOX	
TDS		EP-TOX-Metals	✓
TS			
Sp Cond.			
NO_3-N			
Remarks			

CHEMTECH
CONSULTING GROUP, INC.
360 West 11th Street / New York, New York 10014 (212) 255-9100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Manta
Laboratory Manager

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

GZA OF NEW YORK P.C.
GOLDBERG-ZOINO ASSOCIATES OF NEW YORK, P.C.
GEOTECHNICAL-GEOENVIRONMENTAL CONSULTANTS

JAMES H. REYNOLDS
GENERAL MANAGER
SUITE 1000 RAND BUILDING
BUFFALO, NY 14203
716/855/8860

CONSULTANTS
WILLIAM J. ZOINO
JOSEPH S. CARRIGAN JR.
WILLIAM A. BRUCE
NICHOLAS J. SARNICOLA JR.
WILLIAM A. BRUCE
LAWRENCE TOWNSEND
JOSEPH WING
ROBERT A. HELLER
JOSE F. MOLLAMAN
MICHAEL J. FERRIS
JAMES F. NICOLAS
PAUL V. GARSON
ROBERT M. BROWN
STEVEN J. TRITTEL

CONSULTANTS
WALTER C. JOHNSON
STANLEY M. BRYSKY

Schulman Management Corporation
925 Westchester Avenue
White Plains NY

May 30, 1986
File No. H-6437 A

REPLY TO: ROBERT A. HELLER
DISTRICT MANAGER
582 LAFAYETTE BLVD.
BRIDGEPORT, CT 06604
203/334-6593

Attn: Mr. Mike Curran

Gentlemen:

Per the request of Schulman Management Corporation, Goldberg-Zoino & Associates Inc., (GZA/Heller) has performed a site visit at a 34 acre piece of property at 500 Mamaroneck Avenue in Harrison, NY. The purpose of our site visit was to observe the site for evidence of the presence of oil or hazardous material in the environment at the site.

The subsequent sections of this letter contain GZA/Heller's observations at the site.

Field Visit

On May 15, 1986 Mr. David Greene of GZA/Heller met with Mr. Mike Curran of Schulman Management Corporation to observe site conditions and discuss site history with respect to land use and hazardous materials and oil. Observations from that site visit follow.

A site plan is attached for reference.

An office building with a footprint of 55,000± square feet is currently under construction at the site. Associated parking areas are also in the process of development.

Approximately 10± acres of the site are developed or in the process of development. The remaining 24± acres primarily on the east side of the property were observed to be undisturbed woodlands, marshy areas or are planned for open space.

According to Mr. Curran, the site was formerly the town incinerator/waste transfer station. The incinerator was apparently located where the office building is being constructed.

Based on visual observation and conversation with Mr. Curran all soil and large volumes of bedrock have been removed from the building area and adjacent future parking areas. The land surface has apparently been lowered by approximately eighteen feet and it is our understanding that 330,000± cubic yards of soil and rock have been removed.

According to personnel of DeLaurentis Excavating there was debris on the site prior to site development. Debris reportedly consisted of scrap metal, old cars and other non-burnable material from operation of the incinerator. Apparently the majority of this material was removed prior to the start of excavation. No evidence of significant deposits of any debris or residue from the incinerators were observed.

The only potential evidence of past site usage as an incinerator/transfer station was seen in the soils used to construct a ±150 ft. x 12 ft. x 10 foot berm on the southeast corner of the site. This soil consists of a grey silt with fragments of glass, metal, slag, ash and small amounts of plastic. Two soil samples were obtained from this berm area and were made into a single composite for the analysis of priority pollutant metals by EP toxicity methods. Samples were taken to confirm that contamination of these soils has not occured. Verbal results of the laboratory analysis indicate that the composite soil sample did not exhibit the characteristics of hazardous soils using EP Toxicity Methods. All metal results were at least an order of magnitude below relevant standards.

Summary and Conclusions

A limited environment assessment was conducted at 500 Mamaroneck Avenue in Harrison, New York. The assessment included a site visit and analysis of one composite soil sample for priority pollutant metals (results pending). No background research or subsurface explorations were performed. Based on studies conducted and observation made as part of the present assessment, it is GZA's opinion that there is no on-site indication of the presence of hazardous materials or oils in the environment at the site.

The laboratory report will be forwarded upon receipt by GZA/Heller.

Limitation

This report is subject to the attached limitations.

This study and report have been prepared on behalf of and for the exclusive use of our client solely for use in an environmental evaluation of the site. This report and the findings contained herein shall not, in whole or part, be disseminated or conveyed to any other party, nor used by any other party, without the prior written consent of GZA/Heller. However, GZA/Heller acknowledges and agrees that the report and attached Statement of Terms and Conditions may be conveyed to potential tenants associated with the site.

GZA

The report has been prepared in accordance with the Statement of Terms and Conditions set forth in the following section. No other warranty, expressed or implied, is made.

We trust the report presented herein satisfies your current requirements. The undersigned will be contacting you in several days to discuss any questions you may have. We have appreciated the opportunity to work with you on this project.

Very truly yours,

GOLDBERG - ZOINO & ASSOCIATES

Kathleen A. Cyr, P.E.
Senior Project Manager

Robert A. Heller, P.E.
Associate-in-Charge

KAC,RAH/gln

GZA

FILE No. 11-6437(A)

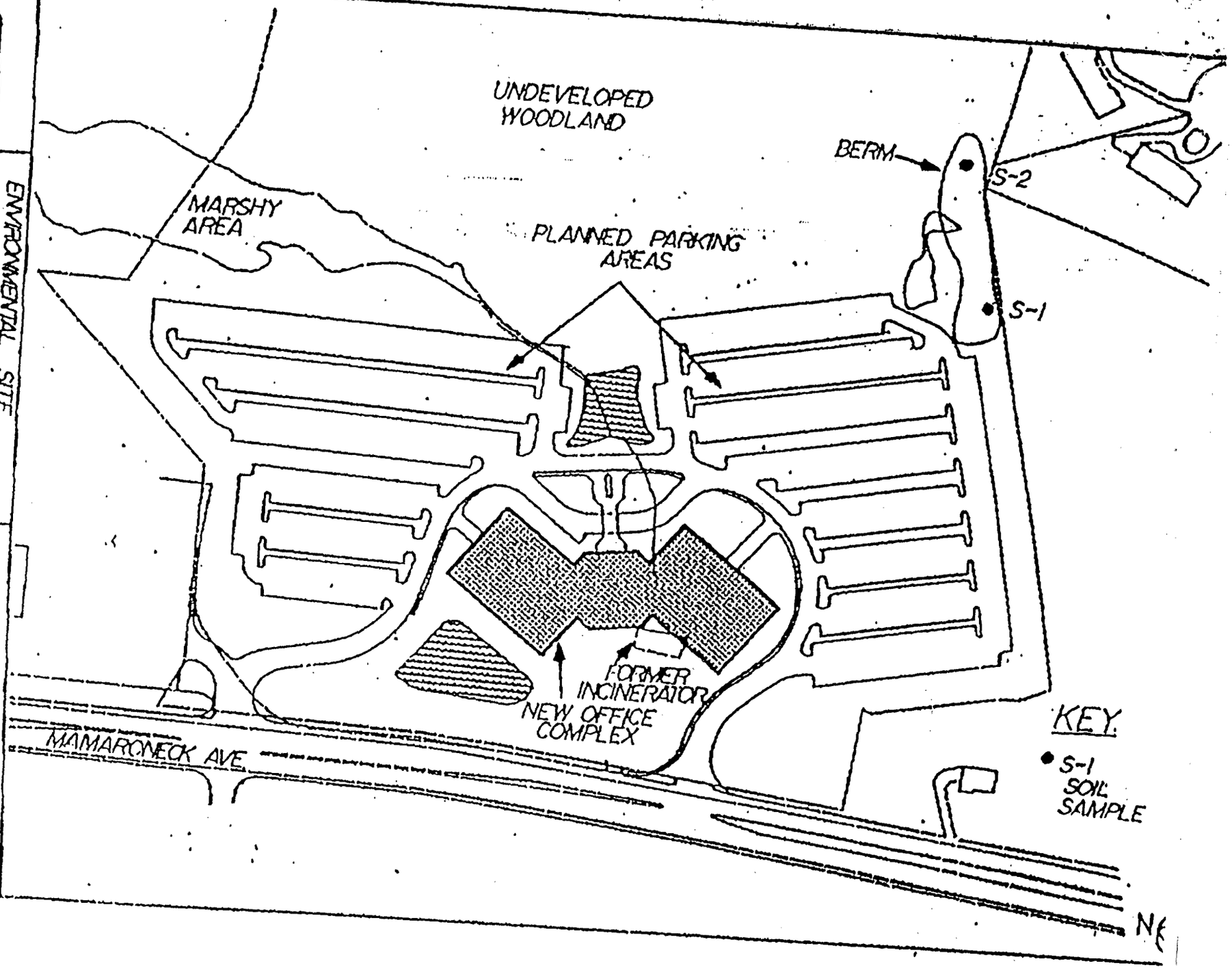
GZA

ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVE
MAMARONECK, NEW YORK

MAY 1986

SITE PLAN

FIGURE 2



APPENDIX A

LIMITATIONS

1. The observations described in this Report were made under the conditions stated therein. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the attached Statement of Terms and Conditions.

2. In preparing this Report, GZA has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to GZA at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. Observations were made of the site and of structures on the site as indicated within the Report. Where access to portions of the site or to structures on the site was unavailable or limited, GZA renders no opinion as to the presence of hazardous material or oil, or to the presence of indirect evidence relating to structure. In addition, GZA renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.

4. Unless otherwise specified in the Report, GZA did not perform testing or analyses to determine the presence or concentration of asbestos or polycholorinated biphenyls (PCB's) at the site or in the environment at the site.

5. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material or oil, as defined in Connecticut General Statutes Section 22a-452. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

GZA

MERRITT & HARRIS, INC.

July 1987

MERRITT & HARRIS, INC. Consultants to the Real Estate Lending and Investment Community

14-608

July 31, 1987

Ms. Robin Gallagher
Chemical Bank
Real Estate Division
325 Hamilton Avenue
White Plains, New York 10601

Re: 275,000 Sq. Ft. Office Building
500 Mamaroneck Avenue
Harrison, New York

Dear Ms. Gallagher:

Enclosed is Site Observation Report 22, based on our observation of the referenced project on July 24, 1987. The site observation was performed and the report was written by Mr. Lester R. Buchell Jr., Project Manager.

Base Building work is substantially complete with a Temporary Certificate of Occupancy obtained. Site work is complete except for minor landscaping and paving. Unless advised to the contrary, this will be our final site observation report.

If you have any questions regarding this report, please call.

Very truly yours,

MERRITT & HARRIS, INC.

Robert T. DiBlasi, AIA
Vice President

RTD:hi
Enclosure

cc: Lester R. Buchell Jr.

110 East 42nd Street, New York, N.Y. 10017-5655 • (212) 697-3155 • FAX (212) 687-2859

July 31, 1987

275,000 SQ. FT. OFFICE BUILDING
500 MAMARONECK AVENUE
HARRISON, NEW YORK

SITE OBSERVATION REPORT 22

Prepared For:	Chemical Bank Attn: Ms. Robin Gallagher Telephone: (914) 948-5492
Borrower:	Shulman Management Corporation
Project Name and Location:	275,000 Sq. Ft. Office Building 500 Mamaroneck Avenue Harrison, New York
Improvement:	The new construction of a 5-story office building on a 34.55-acre site
Job Phone:	(914) 698-0976
Present During Observation:	Mr. Hank Cellestino (914) 948-2230
Observation and Report by:	Mr. Lester R. Buchell Jr.
Date of Observation:	July 24, 1987
Date of Previous Observation:	February 9, 1986

SECTION I - PROJECT OBSERVATION

Project Scope

The project consists of the construction of a new 275,000 sq. ft. office building on a 34.55-acre site located along Mamaroneck Avenue in Harrison, New York.

The facility will be a 5-story concrete lift slab building with 2 rectangular wings, which are connected by common areas in the core.

The site will have parking for 1,000 cars and will be serviced by 2 access roads. The site also contains 2 water retention basins.

Construction Activity

Construction is proceeding in a good and workmanlike manner and in general conformance with the plans and related documents that we have received to date, with the exception of the revised mechanical systems, which will be documented by the Engineer shortly. The following items have been completed: structural steel, concrete, masonry, drywall, and fireproofing. The following progress in construction was observed:

Site Work

Site work is complete except for landscaping (95%), the final coat of black top on roads (starting), parking spot marking, and site lighting (50%) Photograph 2. Seeding is now complete.

Exterior

Work is complete, including punch list items (Photograph 1).

Stairways

Work is complete except for floor finish and the finish coat of paint. These items will be done during the tenant finish stage out of tenant allowances.

Lobbies, Corridors, and Public Spaces

On the 1-3 floors elevator lobbies have marble wall panels with ceramic floor tile complete except on the 3rd floor which is nearly complete (Photograph 3). The 3rd and 4th floors elevator lobbies are sheetrocked and taped. One the 1-3 floors corridors are complete except for floors and finish painting which will be left up to the tenant. Corridor framing has started on the 4th floor. All toilet rooms are complete (Photograph 4).

Tenant Spaces

Work completed includes perimeter insulation and sheetrock, sheetrock columns, sprinkler roughing, baseboard heaters and ducts. Ceiling hangers, VAV boxes, and duct insulation work is in progress.

Tests and Certifications

As previously stated, we have received a copy of the Temporary Certificate of Occupancy.

The following information has been requested but has not been received:

- Elevator certification (Mr. Cellestino will receive this when he accepts the elevators. He will not accept them until just before tenant occupancy).

- Roof certification for warranty

SECTION II - PROGRESS

Summary of Estimated Completion to Date

Original Construction Budget		$18,283,244
Adjustments		0
Revised Construction Budget		$18,283,244
Work Previously Completed	(96.6%)	$17,655,844
Total Work Completed This Period	(1.4%)	260,500
Total Work Completed to Date	(98.0%)	$17,916,344
Funds to Complete Construction Based on Budget of $18,283,244		$ 366,900

We feel that the preceding amount of $366,900 will be sufficient to complete construction of the project at this time.

The preceding figures do not include tenant finish items.

Please note that the preceding amounts are gross values and do not take into account retainages or other holdbacks.

Rate of Progress and Estimated Completion Date

The Base Building is substantially complete. The Temporary Certificate of Occupancy has been issued, but some Base Building items are not complete, such as hung ceilings, site lighting, and final paving at parking spaces. Those items that are indoors depend on the desired usage of prospective tenants. Until a tenant is acquired, we cannot anticipate a completion date.

SECTION III - TRADES AND MATERIALS

A draft copy of Requisition 25, for work performed from February 9, 1987, to May 15, 1987, has been attached. The percentage of completion and dollar values for each line item were mutually agreed upon with the Borrower's Representative, Mr. Hank Cellestino, at the job site.

SECTION IV - SUBCONTRACTS

As previously agreed, subcontract reviews are not part of our service.

SECTION V - PHOTOGRAPHS

Photographs taken during the time of our site observation are attached and show the following:

1. Exterior building work complete
2. Landscape work in progress at the parking lots
3. The 1st and 2nd floor elevator lobbies
4. A typical toilet room

SECTION VI - COMMENTS

Mr. Cellestino advised us that no spaces have been leased at this time. However 2 inquiring tenants are interested in a whole floor or the whole building. Mr. Cellestino is looking to lease the building to one or two tenants maximum.

SECTION VII - ATTACHMENTS

1. A draft copy of Requisition 25, dated May 15, 1987

2. Site Photographs, dated July 24, 1987

CONTINUATION SHEET AIA DOCUMENT G703 #14-608 PAGE 2 OF 4 PAGES

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work covered by this Application for Payment has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED: $ _____

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: _____ Date: _____

This certification is without prejudice to any rights of the Owner or Contractor under this Agreement.

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

In tabulating portions of this continuation sheet, amounts are stated to the nearest dollar.

Use Column I on contracts where variable retainage for line items may apply.

APPLICATION NUMBER: 25

APPLICATION DATE: 5-15-87

PERIOD FROM: 2-6-87

TO: 5-15-87

ARCHITECT'S PROJECT NO:

A	B	C	D	E	F	G		H	I
			WORK COMPLETED						
ITEM No.	DESCRIPTION OF WORK	SCHEDULED VALUE	Previous Applications	This Application: Work In Place	This Application: Stored Materials (not in E or F)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
	Hard Costs								
	Site Work:								
	Clearing, Grubbing and Stripping	250,000	250,000			250,000	100		
	Bulk Excavation Including Rock	4,200,000	4,200,000			4,200,000	100		
	Storm Sewers & Utility Trenches, [illegible]	500,000	500,000			500,00	100		
	Rough Grading	200,000	190,000	10,000		200,000	95+5		
	Detention Ponds	200,000	180,000	20,000		200,000	90+10		
	Paving and Curbs	450,000	360,000	67,500		427,500	80+15		
	Landscaping	200,000	130,000	50,000		180,000	65+25		
	Soft Cost:								
	[illegible]	750,000	750,000			750,000	100		
	Excavation	500,000	500,000			500,000	100		
	Structure in place	2,655,000	2,655,000			2,655,000	100		
	Roofing & sheet metal	260,000	[illegible]			260,000	100		
	Curtain wall in place	1,900,000	1,900,000			1,900,000	100		
	Engineering	120,000	120,000			120,000	100		
	Spray Fireproofing & plastering	25,000	25,000			25,000	100		
	Enclosures	165,000	165,000			165,000	100		
	[illegible] Core & Shell	370,000	370,000			370,000	100		
		150,000	150,000			150,000	100		

212 225 5166 TO 9

[redacted]-6-87

TO: 5-15-87

ARCHITECT'S PROJECT NO:

[redacted]	SCHEDULED VALUE	WORK COMPLETED: Previous Applications	WORK COMPLETED: This Application: Work in Place	WORK COMPLETED: This Application: Stored Materials (not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G÷C)	BALANCE TO FINISH (C-G)	RETAINAGE
Hard Costs (con't.)								
Carpentry & Millwork	122,000	122,000			122,000	100		
Hollow Metal	22,000	22,000			22,000	100		
Finish Hardware	22,000	22,000			22,000	100		
Acoustic Tile	495,000	148,500	99,000		247,500	30 +20		
Ceramic Tile	138,000	131,100				95		
Toilet Partitions & Accessories	110,000	110,000			110,000	100		
Painting (Core & Shell)	35,000	21,000	14,000		35,000	60 +40		
Resilient Flooring	10,000							
Venetian Blinds	60,000							
Elevators	416,000	416,000			416,000	100		
Plumbing	458,000	458,000			458,000	100		
Sprinkler (Core & Shell	90,000	90,000			90,000	100		
HVAC	2,300,000	2,300,000			2,300,000	100		
Electric	883,000	883,000			883,000	100		
General Conditions (inc. labor & supervision)	227,244	227,244			227,244	100		
TOTAL HARD COSTS	18,283,244	17,655,844	260,500		17916344 ~~17,655,844~~	98.0%	627,400	
	18,283,244	17,655,844						

CONTINUATION SHEET [illegible] DOCUMENT [illegible]

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing [illegible]
Contractor's signed Certification is attached.
In tabulation below, amounts are stated to [illegible] dollar [illegible]
Use Column [illegible] contracts where [illegible] [illegible]

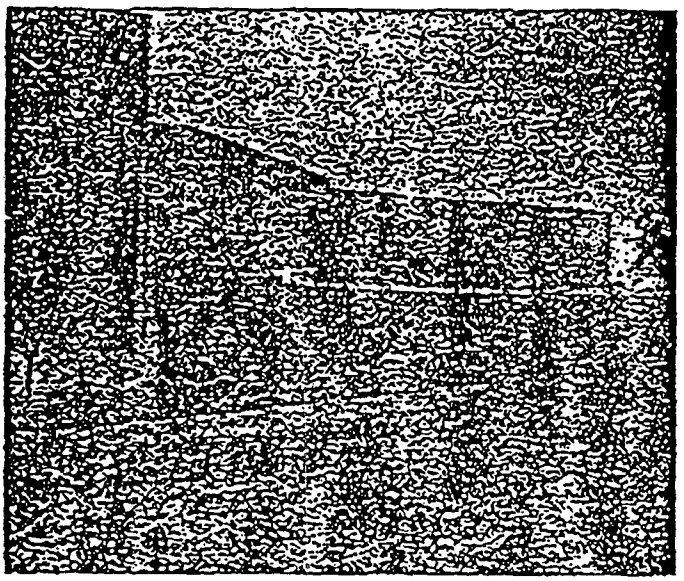
6-87
[illegible]-15-87

[illegible] PROJECT NO:

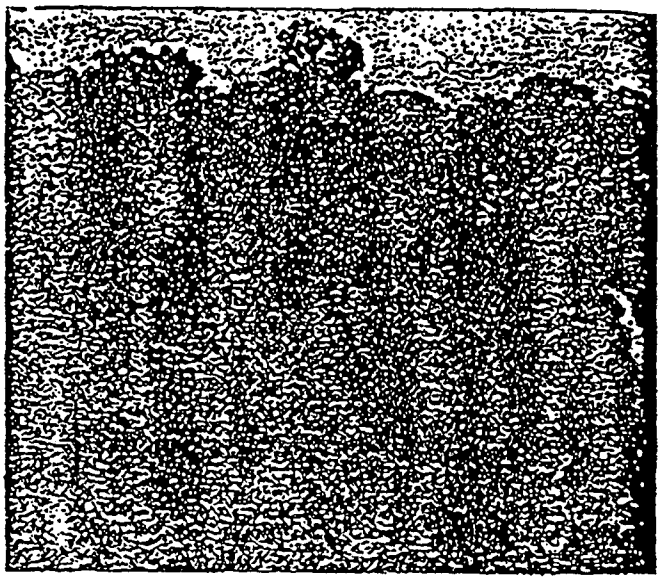
ITEM No.	DESCRIPTION OF WORK	SCHEDULED VALUE	[illegible]	[illegible]	[illegible]	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% [illegible]	[illegible]	[illegible]
	Soft Costs								
	Architects & Engineers	1,400,000	1,400,000			1,400,000	100		
	[illegible]	275,000	206,250						
	Inspecting Architects	20,000	20,000			20,000	100		
	[illegible] Bonds	150,000	135,000						
	Closing Costs	390,000	390,000			390,000	100		
	Test Borings	10,713	10,713			10,713	100		
	Real Estate Taxes	94,234	94,234			94,234	100		
	Pre-construction Int.	82,500	82,500			82,500	1		
	Int. during construct.	3,150,000	3,150,000			3,150,000			
	Paid to take Mortgage [illegible] assignment	1,590,686	1,590,686			1,590,686	1		
		7,163,133	7,079,383		-0-				
	Land	2,553,623	2,553,623		-0-				
		20,000	27,288,050		-0-				

MERRITT & HARRIS, INC. 14-608

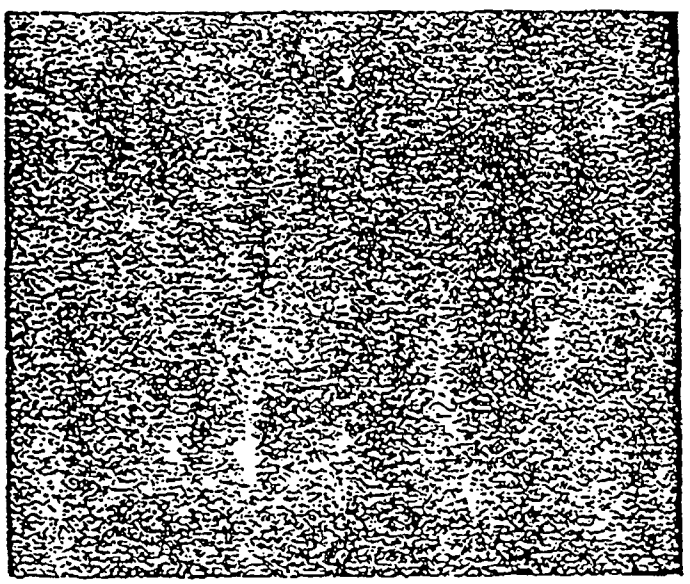
Site Photographs Taken:
July 24, 1987



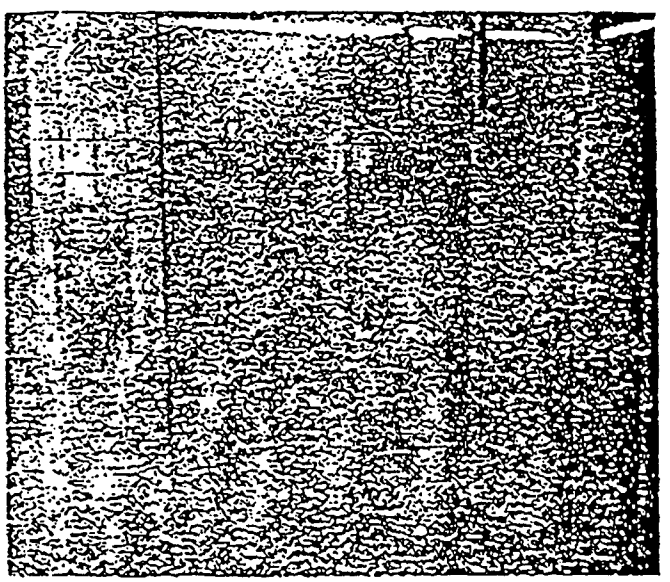
#1- MAMARONECK AVE
#14-608 - 7/24/87



#2-MAMARONECK AVE
#14-608 - 7/24/87



#3-MAMARONECK AVE
#14-608 -7/24/87



#4-MAMARONECK AVE
#14-608 - 7/24/87

ATTACHMENT #2

THE BANK OF NOVA SCOTIA

TO: ATTENTION Andy Schultz

DATE July 7/97

PHONE NO.

ADDRESS Shearman & Sterling

FAXCOM NO. 848-8300

FROM: Rob Boese

PHONE NO.

BRANCH/DEPARTMENT

FAXCOM NO.

ADDRESS

TRANSIT NO.

NUMBER OF PAGES INCLUDING THIS ONE: 2

IF ALL PAGES ARE NOT RECEIVED, PLEASE CALL

PHONE NO.

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REMARKS :

1114276 (11/92)

PREPARED BY:

AUTHORIZED BY :

Field Notes – 1998

5001 Mamaroneck Ave, Harri

ERM/ADT on site @ 08:00

*

Soil Boring Scope:

Due to the presence of shallow bedrock plan to make 2 attempts for a viable soil boring at each previously selected area. If unable to penetrate past 2' bls, will move to next location.

Calibrated Photovac PID using 100ppm isobutylene standard. Measurement 100ppm = 100ppm

GP-1

attempt ① Drill rod encountered refusal @ 1' bls

attempt ② Drill rod encountered refusal @ 1' bls

attempt ③ A 0-4' Rec 80% PID 10.2 Time 1026

Fine to Med Sand, Gravel, Med Brown

Odorless

B 4.0-7.5' Rec 90% PID 0 Time 1042

Silty Sand & Gravel. Med/Dk Brown

Odorless Silt = 30% of matrix

Note: Hit void in borehole from 6.5-7'

Refusal @ 7.5' bls.

TU 1/5/12/98 Cuddy, Feder, Worby / Harrison
1262.002

GP-3

attempt ① Refusal @ 4" bls
attempt ② " @ 12" bls
attempt ③ " @ 9" bls
attempt ④ " @ 15" bls
attempt ⑤ " @ 22" bls Sample Taken

A 0-1.75', Rec 80% PID 0.2 ppm Time 1113
Same description as GP-1 (0-4') except there are 2 layers of sandy clay (moderate plasticity, med brn)
Refusal @ 22" bls

GP-2

attempt ① Refusal @ 24" (2.0')
attempt ② Refusal @ 27" (2.25') Sample Taken
A 0-2.25' PID-0.3 ppm Rec 80% Time 1124
Silt w/ Gravel (10%), Med/Dark brown
Odorless

10/5/12/98 Cuddy, Tester, Worley / Harrison

GP-4

attempt ① Refusal @ 2.2' bls

attempt ② Refusal @ 2.25 bls

Ⓐ 0-2.25' Rec 90% PID 0.0 ppm Time 1148

Silty (15%) Sand (80%) w Gravel (15%), Med/Dark brown, Odorless

- Refusal @ 2.25 bls

GP-5 A 0-3.5' Rec 90% PID 0.0 ppm Time 1217

~~attempt ①~~ Sand w/ Gravel; color and texture ~~attempt ②~~ appear to be similar to pulverized bedrock, color white + gray components.

This sample from the "spoils" area

B 3.5-6.5 Rec 80% PID 0.0 ppm Time 1238

Same description as A (0-3.5'); White components are granular + there is an increase of fine, powder-like material; Refusal @ 6.5' BLS

GP-6

attempt ① Refusal @ 11"

" ② " @ 6"

" ③ " @ 10"

A 0-1' BLS Rec 60% PID 0.0 ppm Time 1306

Tu/5/12/98 Cuddy, Feder, Worby/Harrison

GP-6A (continued)

Fine to Coarse Sand & Gravel. Gravel comprises 30% of soil matrix. Med brown. Refusal @ 1' BLS

GP-7

attempt ① Refusal @ 13"

" ② " @ 13"

attempt ③ Refusal @ 27" (2.25' bls)

A 0.25 - 2.25' Rec 90% PID 0.0 ppm Time 1419

Silty Sand w/ Gravel (30%). Med Brown. Odorless. Refusal @ 2.5' bls

GP-8 (location chosen because of red staining where GW unit cuts

A 0-3': Rec 60% PID 0.0 ppm Time 1426

Moist; Silty Sand w/ Gravel, sand components are fine to V. fine grained & comprise 80% of soil matrix; med/dark brown; odorless;

B 3-6' Rec 40-50% PID - 0.0 ppm Time 1435

Top 9" Wet Sand w/ Gravel, sand is med. to coarse grained; Gravel is angular to 1" diam & comprises 3-40% of matrix. Color, black & white

TU 5/12/98 Cuddy, Fedor, Worby / Harrison

GP-8B (3-6' bls) - Bottom 9" Wet Clay - moderate plasticity, medium brown, slight odor of sewage or organic decay.

C 6-8' Rec 50% PID - 0.0ppm Time 1444
Top 8" same description as 8B (Top 9")
Bot 4" same description as 8B (Bot 9")
Refusal @ 8' bls

GP-9

A 0-3' Rec 50% PID - 0.0ppm Time 1514
Same description as GP-7A

B 3-5.5' Rec 50% PID 0.0ppm Time 1531
Same description as GP-7A
Refusal @ 5.5' bls

GP-10

A 0-3' Rec 80% PID 0.0ppm Time 1540
Same description as GP-7A

B - 3-6' Rec 30% PID 0.0ppm Time 1605
Same description as GP-7A except soil matrix was moist.
Refusal @ 6' BLS

10/5/2/98 Cuddy, Feder, Worby / Harrison

GP-11

A 0-3' Rec 60% PID 0.0 ppm Time 1623
Same description as GP-7A except:
① soil matrix is moist
② 30% of matrix is composed of unnatural material such as shard of glass & tile, wood chips, wood cinders, etc.

B 3-6' Rec 60% PID- 0.0ppm Time 1631
Same description as A(0-3' BLS) interval except interval 3-6' BLS also contains plastic and wire strands/metal scraps

C 6-10' Rec 30% PID-0.0ppm Time 1638
Wet Same description as interval B of this sample

NO REFUSAL @ 12' BLS

GP-12

A 0-3' Rec 70% PID.-0.0ppm Time 1653
Same description as GP-11 A(0-3) except 5-10% unnatural materials

B) 3-6' Rec 60% PID ppm Time 1658
Same description as GP-12 A(0-3') except soil matrix is moist.

TU/5/12/98 Cuddy, Feder, Worby / Harrison

GP-12C (6-7' BLS) Rec 20% PID 0.0ppm Time 17
Moist, Silty Sand w/ Gravel.
Gravel comprises 40% of soil mat.
Odor - ~~Oil~~ Unknown / unidentifiable
Wood fragments comprised 20% of matrix

GP-13
A (0-3') Rec % PID 0.0ppm Time 1717
Same description as GP-12C except dry.

B (3-6') VOID ENCOUNTERED
- No Recovery

C (6-7') - Rec 100% PID 0.0ppm Time 1723
Top 6" Wet Sandy clay, sand-med grained
High plasticity, Med brown
Bot 6" Moist. Fine to coarse Sand with gravel. Color med brown and dk brown/black; Gravel comprises 30% of matrix

TC/5/12/98 Cuddy, Feder, Worby/Harrison

GP-14

attempt ① Refusal @ 1' BLS

attempt ② Refusal @ 3' BLS

A (0-2') Rec 50% PID - 0.0ppm & Time 1754

Same description as GP-13 C (6-7')

But 6" except that soil color is red brown & soil matrix is relatively dry.

GP-15 A Rec 60% PID 0.0ppm Time 1809

attempt ① Refusal @ 2' BLS

attempt ② Refusal @ 2' BLS

Same description as GP-14A

- All boreholes were abandoned by backfilling using #2 Gravel pack to 6" bls followed by 3 to 4" of bentonite chips and surfaced with asphalt cold patch

- Due to the unusual virtually complete absence of VOCs, the PID was periodically tested through the day to ensure that it was continuing to operate properly

- ADT offsite @ 1900
- ERM offsite @ 2015 / FedEx NY @ 2100 / Office 2225 hrs

Tu 5/26/98 500 Mamaroneck Ave Assoc / Harrison.

ERM started @ 0630 hrs / on-site at 0800

ADT on-site @ 0800 w/ truck mounted GeoProbe.

Discussed work scope w/ ADT and toured drilling areas. Due to extremely heavy precipitation during previous couple of days the drilling areas in front of the building are relatively soggy. As such will start @ GP-16 to allow for further drying time at Insurance

Contacted John Stillgebauer who indicated all was in order relative to Certificate of Insurance for ADT.

Set up @ GP-16.

Joe Thomas came to drilling area to discuss work scope. Indicated that he did not want GeoProbe Truck to drive over any underground utilities in front of the building.

TJ/5/26/98 500 Mamaroneck Ave Assoc / Harrison
- 1454.001

I indicated that the GeoProbe truck would likely not be able to ascend the slope up to the ~~well~~ boring location with the most conditions at present, and that the specific lines he is concerned with, ~~are~~ water / sewer are likely ≅ 4' BLS (to be below the frostline) and 12' BLS (based on observation of the discharge trap). Never-the-less, he requested that we do not cross the building frontage.

Contact Greg Shpuda to discuss. Decided to remob on a different day with manual equipment - Fixed + Split barrel samplers. Arranged.

Though Joe Thomas considers this to be a failure on the Underground Utility Locating Service, because they did not markout the entire utility runs. I indicated that their work scope was limited to check individual locations only.

To maximize costs, decided to take samples at the 3 location where Joe Thomas has no concerns (GP-16, 20, 21)

Tue/5/26/98 500 Mamaroneck Ave / Harrison
- 1454.001

GP-16A

attempt 1 Refusal @ 26" BLS Time 0937
attempt 2 Refusal @ 19" BLS Time 0959
attempt 3 Refusal @ 22" BLS Time 1016
attempt 4 Refusal @ 22" BLS Time 1107

A (0.25 – 2.0) Rec 100% PID 0.0 ppm Time 0937
Sandy Silt with Trace Gravel; Sand components are fine to med grained. Gravel is subrounded, Color - Dark Brown. Matrix contain approx 5-10% wood splinters

GP-21A (0 – 9') Rec 80% PID 0.0 ppm Time 1153
Silty Sand with little Gravel. Gravel is subrounded to subangular & ranges to 25cm; Dark brown; Sand components are fine (60%), med (20%) ~~grained~~ coarse (10%).

GP-21B (3 – 7') Rec 60% PID 0.1 ppm Time 1159
Silty Sand with little Gravel; Sand component is med grained; Gravel is subrounded & ranges to 1.5 cm in size; Color - med dark brown; Soil matrix is dryer than previous interval.

Tu/5/26/98

500 Mamaroneck Ave Assoc / Harrison

GP-21C (7-10') Rec 95% PID 0.0 ppm Time 1207
Soil description is the same as GP-21B (3-7' BLS)

Mob to GP-20. Due to a visual change in landscaping requested Joe Thomas confirm that boring location was actually part of the subject property. He indicated that it was in an easement area, but to proceed w/ drilling

GP-20A (0-3') Rec 80% PID 0.1 Time 1250
Silty Sand with ~~little~~ some Gravel; Sand component are very fine to medium grained (50%). Gravel is subrounded to angular and ranges to 2.0 cm in size; Color - Dark brown. Soil matrix is moist.

GP-20B (3-5.5') Rec % PID 0 ppm Time 1305
Soil description is the same as previous interval for this drilling location (GP-20A (0-3' BLS)

ADT decontaminated downhole tool & began breakdown of drilling equipment

Tu 5/26/98 500 Mamaroneck Ave Assoc./Harrison
-1454.001

ERM & ADT offsite @ 1340 hrs

All samples collected have been preserved with ice and will be retained until remaining 3 borings can be completed. At that time samples will be forwarded to Brent Mongillo for PCB immunoassay testing

Returned to office @ 1510 hrs

W/5/27/98 500 Mamaroneck Ave Assoc / Harrison

GP-17A (0-2' BLS) BC 3,3,4,5 Rec 60% PID ppm Time 1256
Top 8" Same description as GP-19B (2-4')
Bottom 8" Same description as GP-19C (4-6') Bot 7"

GP-17 B (2-4' BLS) BC 5,6,7,9 Rec 60% PID ppm Time 1304
Top 6" Moist Silt, Compact, Color - Med brown odorless.
Bottom 9" Dry Silty ~~Sand~~ w/ ~~Some~~ little gravel; ~~Same~~ description as GP-19C (Bot 7")

GP-17 c (4-6' BLS) BC 4,5,5,6 Rec 20% PID ppm Time 1316
Sandy Silt w/ Some Gravel; Sand components compose 5% of soil matrix and are fine to med grained; Gravel is angular to subangular and ranges to 3 cm; Color - Med/Dark brown.

GP-17D (6-8' BLS) BC 12,11,10,9 Rec 20% PID ppm Time 1324
Same description as GP-17C

GP-17E (8-10' BLS) BC 7,10,10,10 Rec 15% PID ppm Time 1330
Same description as GP-17C
Refusal @ 9.0' BLS

Sample ID GP-17 A/B (0-3' BLS) @ 1304
GP-17 B/C (3-6' BLS) @ 1316
GP-17 D,E (6-10' BLS @ 1330

w/5/27/98 500 Mamaroneck Ave Assoc. / Harrison, NY

GP-18A (0-2'BLS) BC 3,6,6,8 Rec 60 % PID ppm Time 1144
Same description as GP-19A except soil matrix is very dry.

GP-18-B (2-4'BLS) BC 7,8,8,12 Rec % PID ppm Time 1152
Top 8" Same description as GP-18A (0-2')
Bot 8" Very Fine Sand w/ little Gravel; Gravel is subrounded to angular and ranges to 2.5 cm; Color light red brown, Odorless.

GP-18C (4-6'BLS) BC 3,3,2,2 Rec 40 % PID ppm Time 1159
Top 6" Same description as GP-18B (2-4'BLS) Bot 8"
Bottom 8" Same description as GP-18B (2-4'BLS) Bot 8" except Color is dark brown

GP-18 D (6-8'BLS) BC 8,8,7,6 Rec 40% PID ppm Time 1210
Very Fine sand w/ some Gravel; same description as GP-18C (Bottom 8) except for gravel content.

GP-18 E (8-10'BLS) BC 6,8,9,10 Rec 50% PID ppm Time 1223
Same description as GP-19 D (6-8'BLS)

Sample ID : GP-18 A/B (0-3'BLS) @ 1152
GP-18 B/C (3-6'BLS) @ 1159
GP-18 D,E (6-10'BLS) @ 1223

wp/27/98 | 500 Mamaroneck Assoc / Harrison

GP-19A (0-2') BC 2,2,2,2 Rec 60% PID 0 ppm Time 1005
Silt with little Gravel; Gravel is angular to subangular; Color - Med/Dk brown; Odorless; Soil matrix is moist

GP-19B (2-4' BLS) BC 6,7,7,7 Rec 30% PID 0 Time 1008
Moist Clayey Silt with Gravel; ~~Trace Clay~~ Trace Clay; little Gravel; Gravel is subangular to angular & ranges to 2cm in size; Color: Dk brown; Odorless

GP-19C (4-6' BLS) BC 7,7,8,11 Rec 50% PID 0 ppm Time 1015
Top 5" same description as 19B
Bot 7" Sandy silt w/ little Gravel and Rock fragment; Gravel content is subrounded to angular; Rock fragment due to cobble pulverized by the sampler; Med/dk brown; Odorless

GP-19D (6-8' BLS) BC 30,11,7,6 Rec 10% PID — ppm Time 1026
Fine to little Coarse sand w/ little Gravel and Rock Fragments; Rock Fragments due to pulverized by sampler; Color - Grayish brown; Odorless; Matrix very dry

W/5/27/98 500 Mamaroneck Ave. / Harrison

GP-19E (8-10' BLS) BC 10,11,16 Rec 10% PID - ppm Time 1038
Medium to Coarse Sand w little Gravel.
Sand primarily medium grain sized (75%).
Gravel is subrounded to angular and
ranges to 1.5 cm; Color: med brown;
Odorless.

Note due to the minimal recoveries of
the 19C & D intervals, an addition sample
was collected from 10-12' BLS to provide
sufficient sample volume to accommodate
the entire suite of analyses

GP-19F (10-12' BLS) BC 6,8,8,9 Rec 20% PID 0 ppm Time 1109
Wet: Clayey Silt with some Gravel; Gravel
is subrounded to subangular & ranges to
1.5 cm. Clay comprises 5-10% of soil matrix;
Color: Med dark brown; Odorless
Sample interval contains glass & metal shards

Sample ID	Time
GP-19 A/B (0-3' BLS)	1008
GP-19 B/C (3-6' BLS)	1026
GP-19 D/E/F (6-12 BLS)	1109

W/5/27/98 500 Mamaroneck Ave Assoc/Harrison

ADT broke down + ~~off~~ loaded equipment to vehicle / Offsite @ 1400 hrs

ERM offsite @ 1440 hrs/
FedEx - Westbury @ 1615 hrs.
Office @ 1640 hrs.

C

APPENDIX C

Field Notes – May 1999 - July 1999

W/5/12/99 500 Mamaroneck Assoc. / Harrison

ERM started @ 0615 hrs. On-site @ 0704
(1 way mileage from office 41 mi)

NAEVA on-site upon arrival
Crew: Tom Hogg, Rob Gimpel, John Benagin (Rob is supervisor)
Equipment: Support trucks (2)
Pulse Ekko - GPR (Mar. Sensors + Software)
Noggin - GPR (Sensors + Software)

Coordinated with facility maintenance contacts Bill Bozofsky (manager) and and John Stillgebauer (facility expert)
- Discussed work scope and assured them that no intrusive work to be implemented
- provided them with Certificates of Insurance for ERM + NAEVA

NAEVA crew set up equip and layed out the data grid. Discussed work scope and objectives.

W/5/12/99 500 Mamaroneck Ave Assoc.

Identified work areas as:

AOC-1 near North property entrance
AOC-2 northeast corner of N parking lot
AOC-3 southarea of south parking lot
AOC-4 west of building

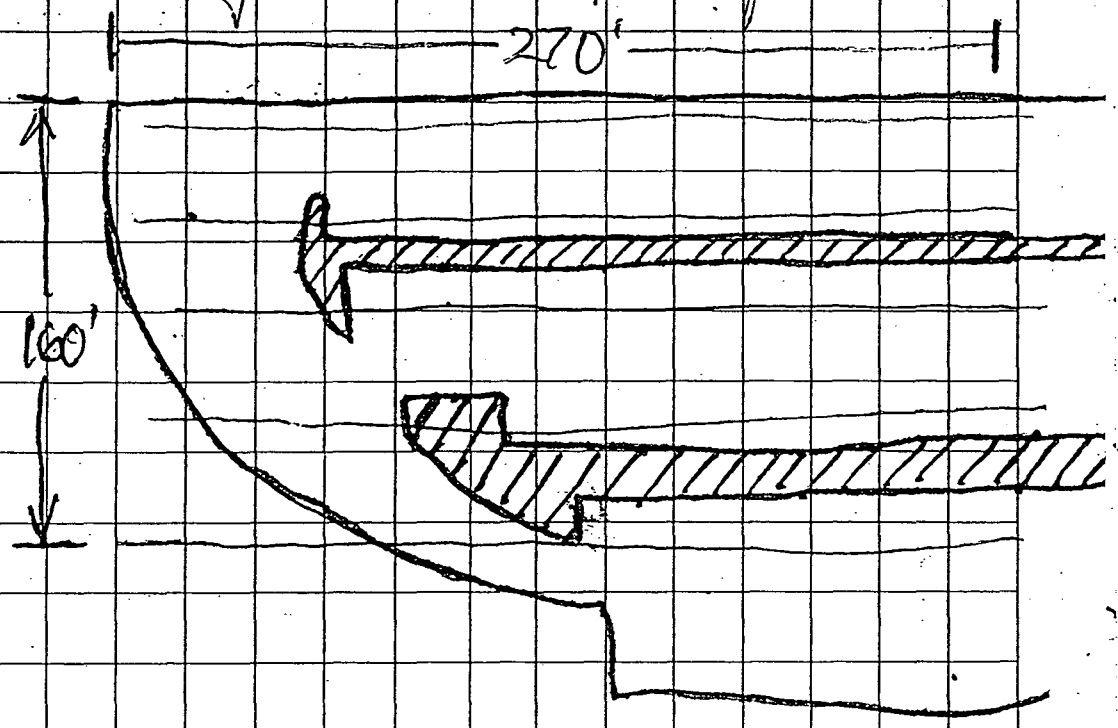
AOC-2 (northeast parking area)

- Pulse-Ekko to be implemented in parking areas
- Noggin to be implemented in landscaped areas
- linear measurements/geometry to be used to ascertain approx. cross-sectional dimensions at specific nodes along berm.
  - separate sheets to be used for maps of each AOC

Setup of equipment and layout of data grid continued until 1030 hrs.

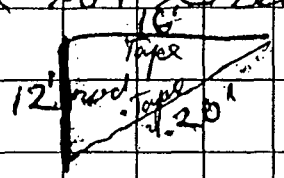
W/5/12/99 500 Mamaroneck Assoc.

Data grid set up as follows



- 5 GPR continuous data input runs

- To get berm dimensions used measuring tape ~~to~~ and a solid rod to create a right triangle



- Pulse Ekko equipment is malfunctioning due to possible low battery of "fast-hirt" cable connector. Tried to [illegible]

w/5/12/99 500 Mamaroneck Assoc

the battery, but no effect.
Equipment disassembled by 1330hrs

- Nogin appears to be giving good data according to R. Simpson (equip operator)

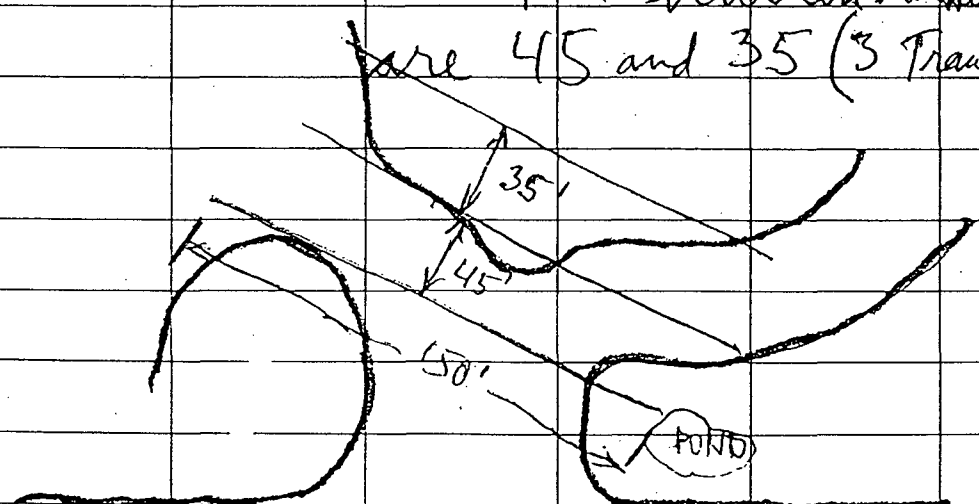
- GPR operations for AOC-2 concluded @ 1330 hrs.

- Moved to AOC-1 work area

AOC-1

Layed out data grid as follows:

- Data line length - 150'
- " " width between transects, are 45 and 35 (3 Transects



W/9/12/99 500 Mamaroneck Ave Assoc

Completed data grid runs using the Noggin GPR instrument

Rob Gimpel indicated that he would like to work on the Pulse Ekko GPR after returning to the office to get it functioning properly. (2nd problem w/ Pulse Ekko was that the laptop (in-line) was not getting power

- Following repairs, he would like to implement Pulse Ekko at the AOC-1 data grid and 1 or 2 data lines at the AOC-2 grid for confirmatory purposes

Demobed on ERM/NAEVA offsite @ 1515 hours.

Returned to ERM warehouse to get surveying equipment for berm measurements. Time 1700 hrs.

TH/5/13/99 500 Mamaroneck Ave Assoc.

ERM started @ 0615 hrs / Onsite @ 0700 hrs

NAEVA already onsite @ AOC-1 and setting up Pulse Ekko (PE) equipment for confirmatory data runs.

Discussed data generated the previous day with Rob Gimpel. He indicated:
- a review of the data collected from AOCs-1 & 2 yielded (largely) indeterminant results using the Noggen.
- He is very interested in seeing data produced by the, now repaired, Pulse Ekko GPR equipment

Started AOC-1 confirmatory grid run @ 0725 hrs.

Note: If data produced is still inadequate to discern bedrock topography, I indicated that we may want to consider discontinuing its use

AOC-1 Rob reports PE-GPR giving good data set.

T&E/5/13/99 500 Mamaroneck Ave Assoc.

Mobed to AOC-2 @ 0830 to re-run data grid for confirmatory purposes using PE-GPR.
Rob reports that significantly better data is being generated w/ PE-GPR than was collected previously using the Noggin.
Data collection completed @ 1030 hrs.

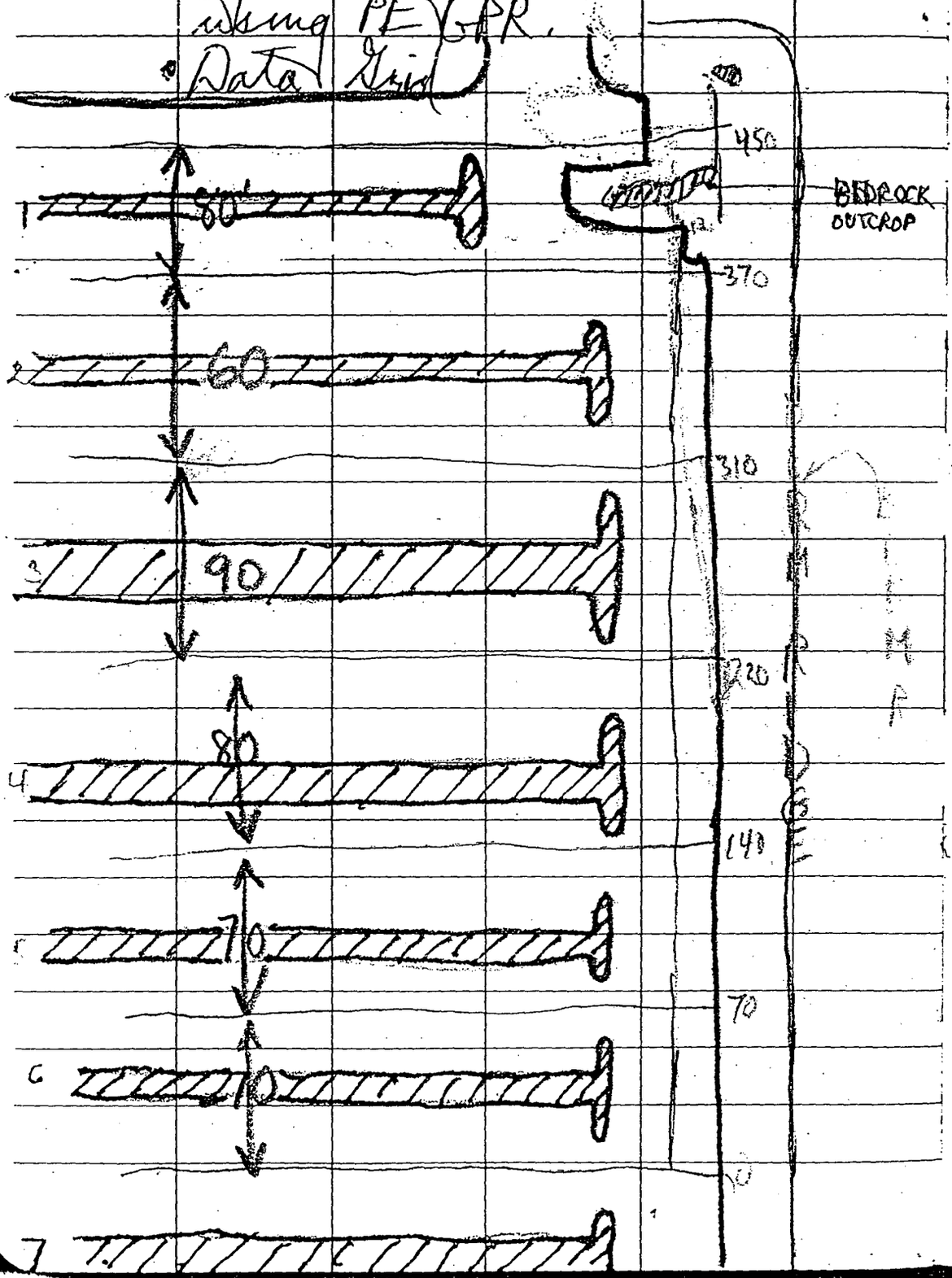
2 Crew members started laying out data grid for AOC-3 @ 0845 hrs.
Completed layout @ 1000 hrs.

Bill Borofsky requested meeting @ 1000 hrs.
Met him to discuss work schedule.
He wanted assurance that no work would take place after F/5/14/99 without new agreement being put in place. I concurred.
He indicated that W&H Management had concerns about agreement w/ Schulman & fieldwork not about how work was being conducted, but what work was being conducted

TH/5/13/99 500 Mamaroneck Ave Associates

AOC-3

- began equipment setup @ ~1030hrs
- began data grid runs @ 1105 hrs using PE GPR.
- Data Grid



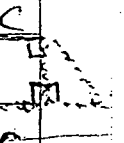
TH/5/13/99 500 Mamaroneck Ave Assoc

Completed 4 of 7 runs and began to have equipment failure due to low battery levels. Batteries were charged overnight

- PE-GAR equipment down @ ~1135 hrs
- 2 crew offsite to buy new battery for unit @ 1210 hrs + returned @ 1330 hrs.

Took 10 min lunch

Berm Cross-section measurements



	HEIGHT	A	B	C		H	A	B	C
0	5.0	8	8	28	260	13.5	24.5		
20	6.2	9.5	12.5	29.0	280	13.5	23.0	26.5	16.0
40	7.5	12.0	14.0	30.0	300	13.5	23.0	25.5	15.0
60	8.5	13.0	15.0	26.5	320	13.5	22.0	25.5	14.0
80	8.5	13.0	14.5	26.0	340	13.5	22.0	24.5	10.5
100	9.0	14.0	16.5	22.0	360	13.5	23.0	26.0	11.0
120	9.0	13.0	17.0	15.7	380	13.0	23.0	26.5	9.0
140	9.5	15.5	19.0	15.5	400	12.5	25.0	26.5	10.0
160	10.5	16.0	20.0	14.0	420	12.5	23.0	25.0	11.5
180	11.0	17.5	21.5	16.0	440	11.5	23.0	25.0	11.0
200 TH ↑	11.0	18.5	24.0	17.0	460	11.5	25.0	23.0	11.0
220 ↓	13.0	22.0	25.0	18.0					
240 RF	13.5	23.5	25.5	18.0					

* Note: Berm slope is even (approx) on both sides + height

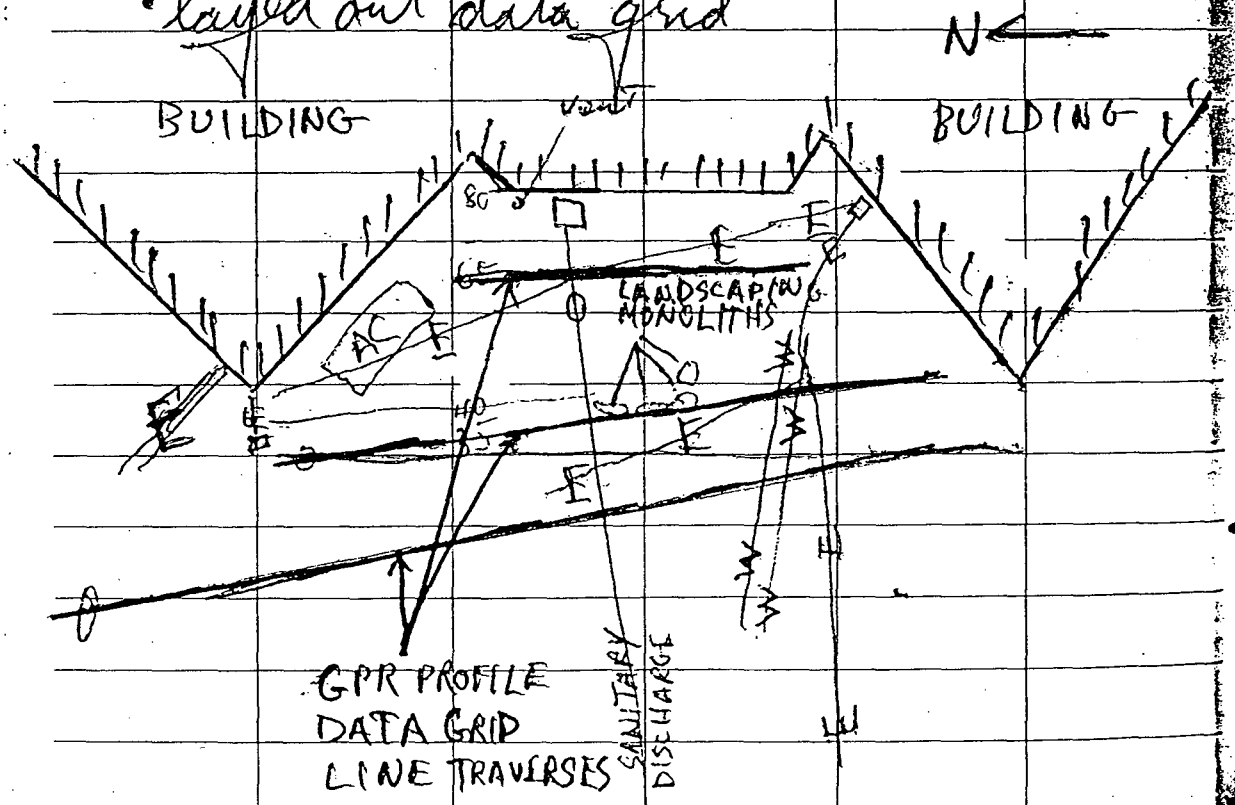
TH/5/13/99 500 Mamaroneck Ave Assoc

AOC-3 (continued)

- Finished 3 N→S data grid line runs and 1 west to east confirmatory grid line approximately mid-way through the south end connector lane.
- Only use PE-GPR @ this location
- Demobed from AOC-3 @ 1445 hrs

AOC-4 = Mobed to AOC-4 @ 1450 hrs.

- layed out data grid



TH/5/13/99 500 Mamaroneck Ave Assoc.

AOC-4 is cluttered with underground utilities. NAEVA is marking them out with paint, flags and stakes to ensure some trace of the markouts is visible when subsequent work scope tasks are implemented.

Discussed deliverables w/ NAEVA personnel @ conclusion of work tasks. Additionally discussed how down-time of equipment on 5/12 & 13 would be addressed on invoice.

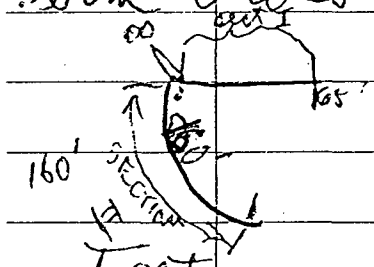
ERM/NAEVA offsite

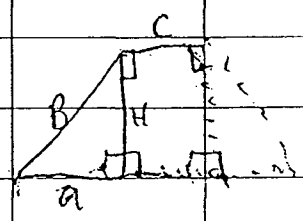
F/5/14/99 500 Mamaroneck Ave Assoc.

ERM started 0615 hrs / Onsite @ 0700
NAEVA on-site @ ~0645 hrs. Setting up equip.

Discussed data collected at AOC-4 on TH/5/13/99 w/ Rob Gimpel. He indicated data was inconclusive that the PE-GPR used was the best tool for the job.
∴ No reruns of that grid to be done

NAEVA begins utility location markouts @ 0730 hrs.
Berm Cross-Section @ AOC-2





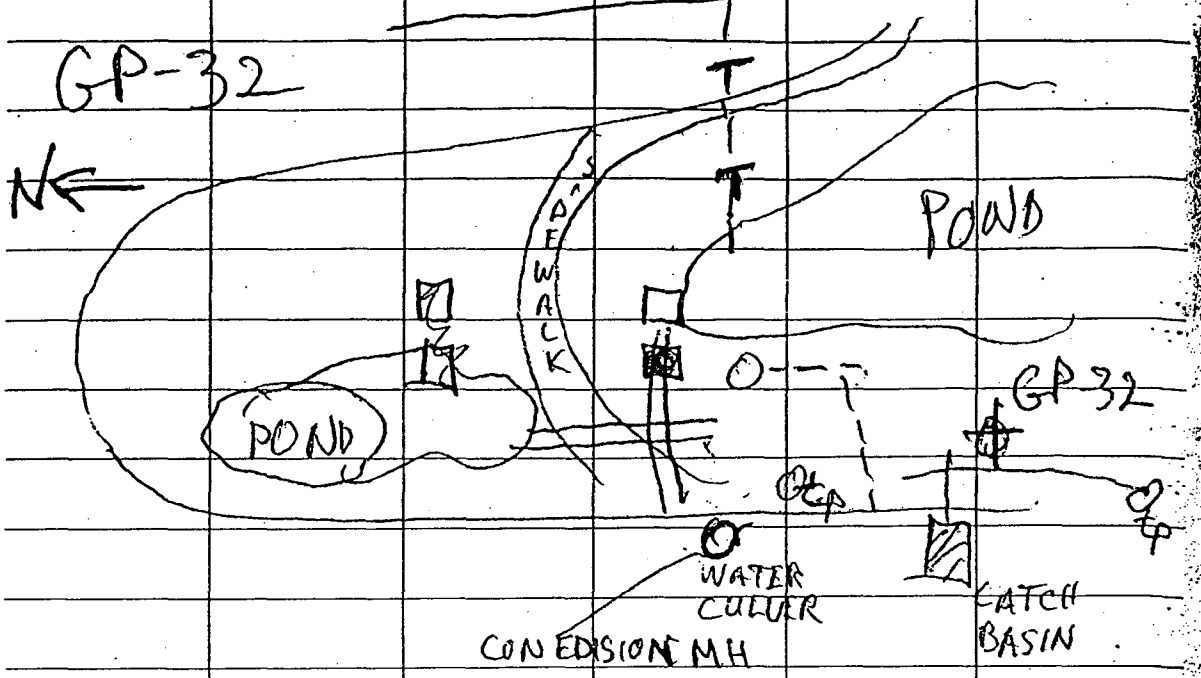
section 1

	H	A	B	C
0	12.5	23.0		~18
20	12.5	20.5		16
40	12.5	20.5		14
60	12.0	19.5		13.5
80	12.5	22.0		13
100	13.0	22.5		13
120	14.5	25.0		11
140	15.0	26.0		11
160	16.5	26.5		11
180	BEDROCK OUTCROP			

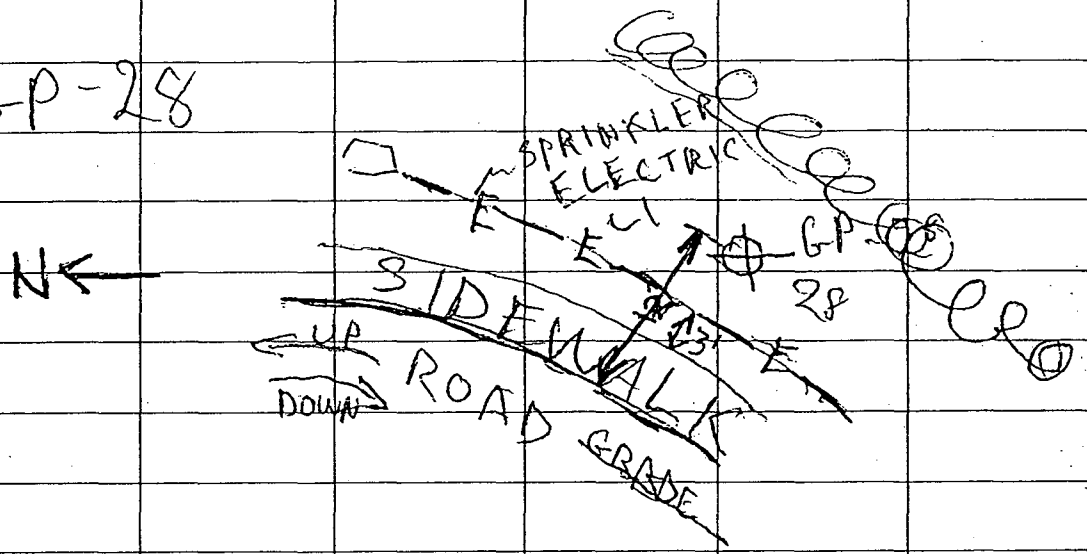
← BEDROCK OUTCROPPING BEGINS AT 155

F/5/14/99 500 Mamaroneck Ave Assoc

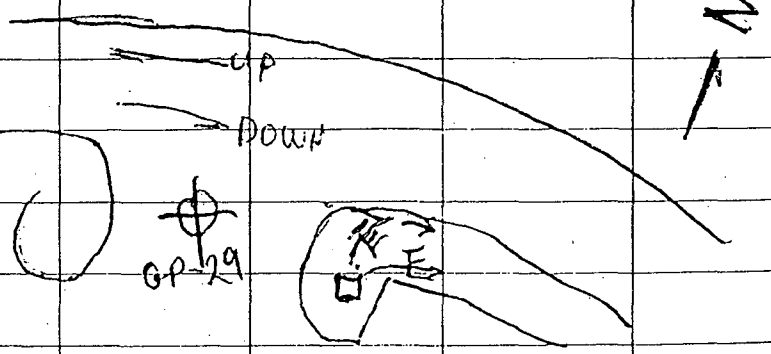
GP-32



GP-28

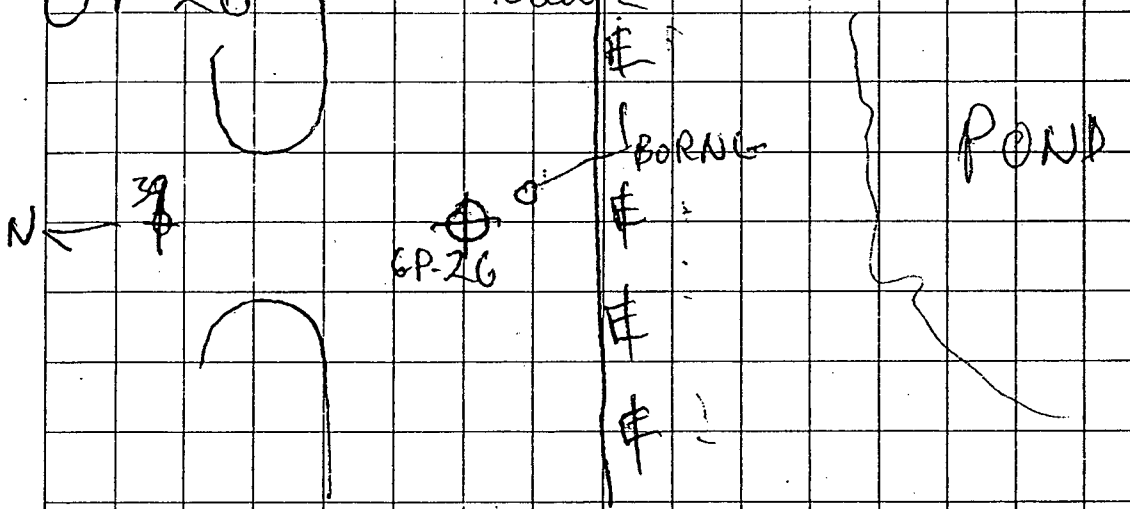


GP-29 All Clear

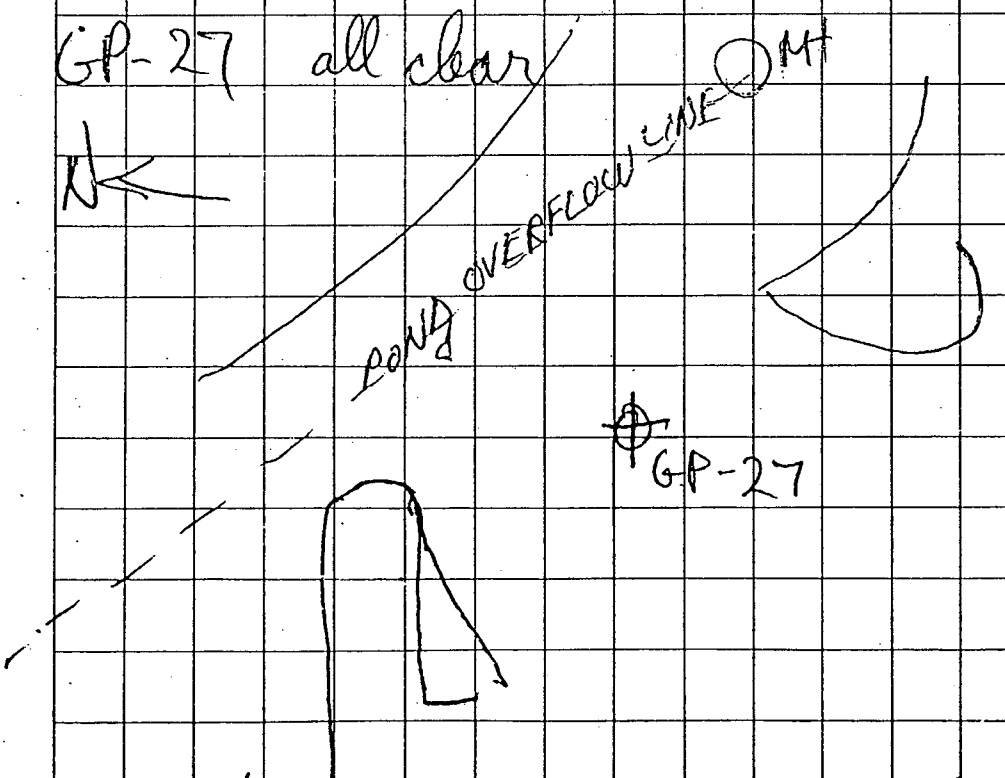


F/5/14/99 500 Mamaroneck Ave Assoc.

GP-26 - all clear



GP-27 all clear



ERM/NAEVA completed work scope and exited site @

N/7/7/99 500 Mamaroneck Assoc.
- 1454.001.3
- Supplemental Investigation

ERM started 0630 / onsite @ 0834 hrs.
Mike Feldman Conesco onsite @ 0800 hrs.
Tradelands onsite @ 0930 hrs (contacted Jim (operations manager) @ 0700 & found they were having mechanical problems & would be late)

Coordinated with Bill Borofsky & John Stillgebauer regarding underground utilities. John S. indicates only utilities are electrical lines for lighting which run below parking lot islands.

Greg Sklenka onsite @ 0935 hrs. Indicat water analyses from pond supply well and 3 ponds. Grab sediment from pond bottoms
- No MS/MSD
- Do a DUPLICATE
- 652-6412 cell #

Setup until 10:30 hrs

w/ 7/7/99 500 Mamaroneck

GP-38A (0-2') (23) 1035 hrs PID 0.0 Rec 100%
Silt; med brown, dry

B (2-4') (28) 1038 hrs PID 0.0 Rec 100%
Silt w/ Trace Gravel; gravel <1cm, med brown, dry.

C (4-6') (24) 1043 hrs PID 0.0 Rec 100%
Same as A interval

D (6-7.5') (25) 1047 hrs PID 0.1 Rec 100%
Same as A interval except refusal @ 7.5' BLS

GP-45A (0-2') (18) 1104 hrs PID = 0.0 100% Recover
Silt w/ Rock Fragments, and nickles of weathered bedrock

B) (2-2.5') - Insufficient volume for valid sample
1106 hrs PID 0.0 5% Rec
Refusal @ 2.25' BLS

11/7/99 500 Manasoneck

GP-44A (0-2') (17) 1137 hrs PID 0.0 Rec 100%
Silt w/ Bedrock Fragments, drk brown/black; dry; Refusal @ 2' BLS
(2 previous attempts 30' N + 54' W of this location w/ 6" to refusal ea.)

GP-43A (0-2.5') (27) 1145 hrs PID 0.0 Rec 100%
Same description as 45A-B
Refusal @ 2.5' BLS

GP-39A (0-2') (20) / MS (30) / MSD (29) → DUP-1 selected because PAH has detections sufficient PID 0.0 Rec 100%
Silt w/ some bedrock fragments. Color drk brown to black, contain glass frags

B (2-4') (20) 1232 hrs PID 0.0 Rec 70%
Same description as A interval

preselected Trans 0900
C (4-6.5') (21) / (DUP-1) (16) 1154 hrs PID 0.0 Rec 50%
Same description as A interval except moist

11/7/99 500 Mamaroneck

GP-42 A (0-2') ⑧ 1420 hrs PID N.R. Rec 55%
Silt w/ Trace Med/Coars Sand + Rock fragments, med brown, contains glass fragments

B (2-4') ⑧ 1425 hrs PID N.R. Rec 25%
Insufficient volume recovered for discrete sample ∴ combined with next depth interval (4-6)

C (4-6') ⑧ 1431 hrs Rec 85%
Sandy Silt w/ Little Sand (med to coarse) and rock fragments

* Hit refusal at 5 locations at varying depths to 6' BLS

GP-41 A (0-2') ⑬ 1453 hrs Rec 90%
Same description as 42 C (4-6')

41 B (2-4) 1456 hrs Rec 40%
Same description as 42 C (4-6')

41 C (4-5.5) 1523 hrs Rec 35%
Same description as 42 C (4-6')
Refusal @ 5.5' BLS
Composited 41 B & C to create 1 sample because each had insufficient volume for a discrete sample

W/7/7/99 500 Mamaroneck

Field Blank-1 collected @ 1516 hrs using acetate liner.

GP-40 A (0-2) (01) 1534 hrs Rec 80%
Sandy Silt w Rock Fragments, some Sand med-coarse, med brown

B (2-4) (03) 1537 hrs Rec 60%
Same description as "A" interval

C (4-6) (06) 1543 hrs Rec 100%
~~Silt~~, Same description as 42A, med/dk

D (6-8) (09) 1548 hrs Rec 95%
Sandy Clay, moderate plasticity, dk brown

E (8-10) (12) 1552 hr Rec 95%
Same description as interval D

F (10-11.5') 1559 hrs Rec 70%
Same description as 42C
Refusal @ 11.5 BLS

W/7/7/99 500 Mamaroneck

GP-47A (0-0.5') (02) 1621 hrs Rec 30% (x2)
Sandy Silt w/ Rock Fragments, med brown dry. Refusal @ 3 separate locations (noted on map) @ 6" BLS

GP-46A (0-2.5') (03) 1655 hrs Rec 70%
Same as 47A

Greg Shkvda indicated that, based on bedrock outcropping/occurrence, borings GP-23 + 24 can be eliminated from the workscope.

Prepared Chain of Custody documentation until 1930 hrs

Arranged sample shipping thru Airborne Express w/ "Bill Recipient" until 2015 hrs.

ERM offsite @ 0815 hrs. Returned to WH to resupply. Left WH @ 2215 hrs.

7/8/99 500 Mamaroneck

ERM/Trade-Winds on-site @ 0700 hrs

Mrs Feldman onsite (Coneco) @ 0745 hrs

Contacted & left message for Paul Hobart (STC) to accept Cooler from Airborne Express send indicating "Bill Recipient"

GP-22A (0-2') HELD 0754 hrs PID 0.0 Rec 90%
Sandy Silt w/ Rock Fragments; Sand is fine to

B (2-4') DUP-2 HELD 0700 0921 hrs PID 0.0 Rec 70%
(22) (11)
Same description as interval A

Collected Field Blank-2 @ 0840 hrs

GP-22 boring required approx 25 attempts to collect to 4' BLS 20 of the attempts met refusal @ 42.5' BLS

GP-25A (0-2.5') 1004 hrs PID 0.0 Rec 100%
Sandy Silt w Gravel + Rock fragments drk brown, Sand is fine to coarse. Refusal @ 2.5' BLS

11/7/99 500 Manaroneck

GP-27 A (0-2') 1018 hrs PID 0.0 Rec 70%
Same description as 25A

B (2-4') 1023 hrs PID 0.0 Rec 90%
Silty Sand w/ Rock Fragments med brown Sand is fine to med grained & comprises 60% of soil matrix
Refusal @ 4' (2 borehole attempts)

GP-26 A (0-2') 1049 hrs PID 0.0 Rec 90%
Same as 27B

B (2-3') 1056 hrs PID 0.0 Rec 30%
Refusal @ 3' BLS. Same as 27B
Composited A/B into one sample
(2 Borehole Attempts)

GP-29 A (0-2') 1114 hrs PID NR
2 borehole attempts (Refusal @ 2' BLS
Same description as 25A

GP-28 A (0-2') 1141 hrs PID NR Rec 75%
Same description as 25A

B (2-4') 1151 hrs PID NR Rec 40%
Same description as 25A

C " 1157

TH/7/8/99 500 Mamaroneck Ave Assoc.

GP-34A (0-2') 1339hrs Rec. 55%
Same as 32A
B) (2-4) 1341hrs Rec 40%
Same as 32B
No Sample C (4-4.5') 1346hrs Rec 30%
Saturated Sand w Gravel. same as 32B
Insufficient material for sample collection as the matrix is mostly gravel
- Refusal on 2 attempts @ 4.5' BLS

GP-30A (0-2')/DUP/MS/MSD
1449hrs Rec 80% (5)

Refusal @ 2' BLS
Sandy silt w/ Granules, Gravel and rock Fragments

ERM/TradeWinds/Coneco offsite @ 1515hrs

Woodbury @ 1600 hrs
- LYMRIX Vacination #2 1600-1645 hrs.
Completed C of C + Sample Shipment Prep 1745-1910hrs

#1 / 7/9/99 500 Mamaroneck Ave Assoc.

ERM/TradeWinds onsite @ 0700 hrs
Mike Feldman onsite @ 0720 hrs

GP-36A (0-3') / MS/MSD/DUP-0700 0730 hrs PID 0.0 Rec 100% (x6)
Refusal @ 3.0' BLS
Sandy Silt w/ Artificial Debris; sandy gravel
Sand component is fine/med grained + comprises 10% of matrix. Debris includes glass, wood, plastic, metal, ceramics; dark brown

Collected field blank-3 from acetate sample collection barrel @ 0756 hrs

GP-37A (0-2') 0814 hrs PID 0.0 Rec 50%
Silt with ~~Trace~~ little Gravel and Artificial Debris (debris same as 36A but to much lesser extent) - same descr. as 36A except above noted

B (2-4') 0820 hrs PID 0.0 Rec 90%
Silt same description as 37A except color medium brown

C (4-6') 0825 hrs PID 0.0 Rec 80%
Same as 37B

D (6-7.5') 0831 hrs PID 0.0 Rec 50%

F 7/9/99 500 Mayaroneck Ave, Associates

- is moist, black and has an undefinable odor

GP-31 C (4-6') 1112 hrs PID 0.0 Rec 85%

- Same as 31B except the moist black silty material is more prevalent in sample and the undefinable odor is stronger sample also contains material that looks like "cold patch" asphalt

GP-31D (6-8') 1119 hrs PID 0.0 Rec 45%

- Moist Silty Clay w/ Trace fine sand, Little Gravel and Little Artifical Debris (Glass, metal, wood)
- Insufficient recovery for a discrete sample

F (8-10') 1128 hrs PID 0.0 Rec 15%

Moist Sandy silt w/ Little Gravel and trace artifacial Debris, med to med/dark brown
- Insuffient recovery for a discrete sample, No odor

F (10-13') 1033 hrs PID 0.0 Rec 30%

- Saturated Gravel in a Silty Sand Matrix Gravel subangular to angular & comprises 70% of matrix light/med brown

No Refusal, Stopped sampling due to penetration

F/7/9/99 500 Mamaroneck Ave Assoc

GP-48 A (0-2') 1112 hrs PID 0.0 Rec: 70%
Sandy Silt w/ little Gravel, sand fine grained, Color - med/drk brown

B (2-4') 1223 hrs PID 0.0 Rec 80%
Top 15" Fine Sand, Med Brown
Bot 7" Silty Clay w/ Gravel, drk brown
Trace Artificial Debris

C (4-6) 1227 hrs PID 0.0 Rec 90%
Same as 48B (Bot 7") except 10% of matrix contains globules of rubbery substance which is ~~highly~~ moderately plastic, black & odorless. Segregated mat'l from sample and containerized in a 40 ml bottle

Aqueous Samples
- Collected Supply Well @ 1425 hrs w/ Aqueous Duplicate (1800 hrs) @ this location

- Collected Upper Pond Water Sample @ 1439

Report. V00213. 2002-00-01.
Site investigation

FILE COPY

ENVIRONMENTAL RESOURCES MANAGEMENT

SUPPLEMENTAL FINAL SITE INVESTIGATION REPORT

500 Mamaroneck Avenue
Harrison, New York

June 2001
Revised June 2002

RECEIVED
JUL - 1 2002
BUREAU OF EASTERN
REMEDIAL ACTION

Prepared for:

500 MAMARONECK AVENUE ASSOCIATES
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
520 Broad Hollow Road
Suite 210
Melville, New York 11747

ERM®

SUPPLEMENTAL FINAL SITE INVESTIGATION REPORT

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ENVIRONMENTAL RESOURCES MANAGEMENT
520 Broad Hollow Road
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Melville, New York 11747

X8101.00.1280

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Appendix C *Field Notes*

LIST OF ACRONYMS

bgs	below ground surface
BaP	Benzo[a]Pyrene
CaPAH	Carcinogenic Polynuclear Aromatic Hydrocarbon
CFR	Code of Federal Regulations
DFWMR	Division of Fish and Wildlife and Marine Resources
DUSR	Data Usability Summary Report
ERM	Environmental Resources Management
LEL	Lowest Effect Level
MAA	Mamaroneck Avenue Associates
mg/kg	milligrams per kilogram (parts per million [ppm])
mg/L	milligrams per liter (ppm)
NYSDEC	New York State Department of Environmental Conservation
PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
RAWP	Remedial Action Work Plan
RBC	Risk Based Concentration
RSCO	Recommended Soil Clean-up Objective
SEL	Severe Effect Level
SOP	Standard Operating Procedure
STL	Severn Trent Laboratories
SVOC	Semi-Volatile Organic Compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
TOGS	Technical and Operational Guidance Series
ug/kg	micrograms per kilogram (parts per billion [ppb])
ug/L	micrograms per liter (ppb)
USEPA	United States Environmental Protection Agency
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Compound

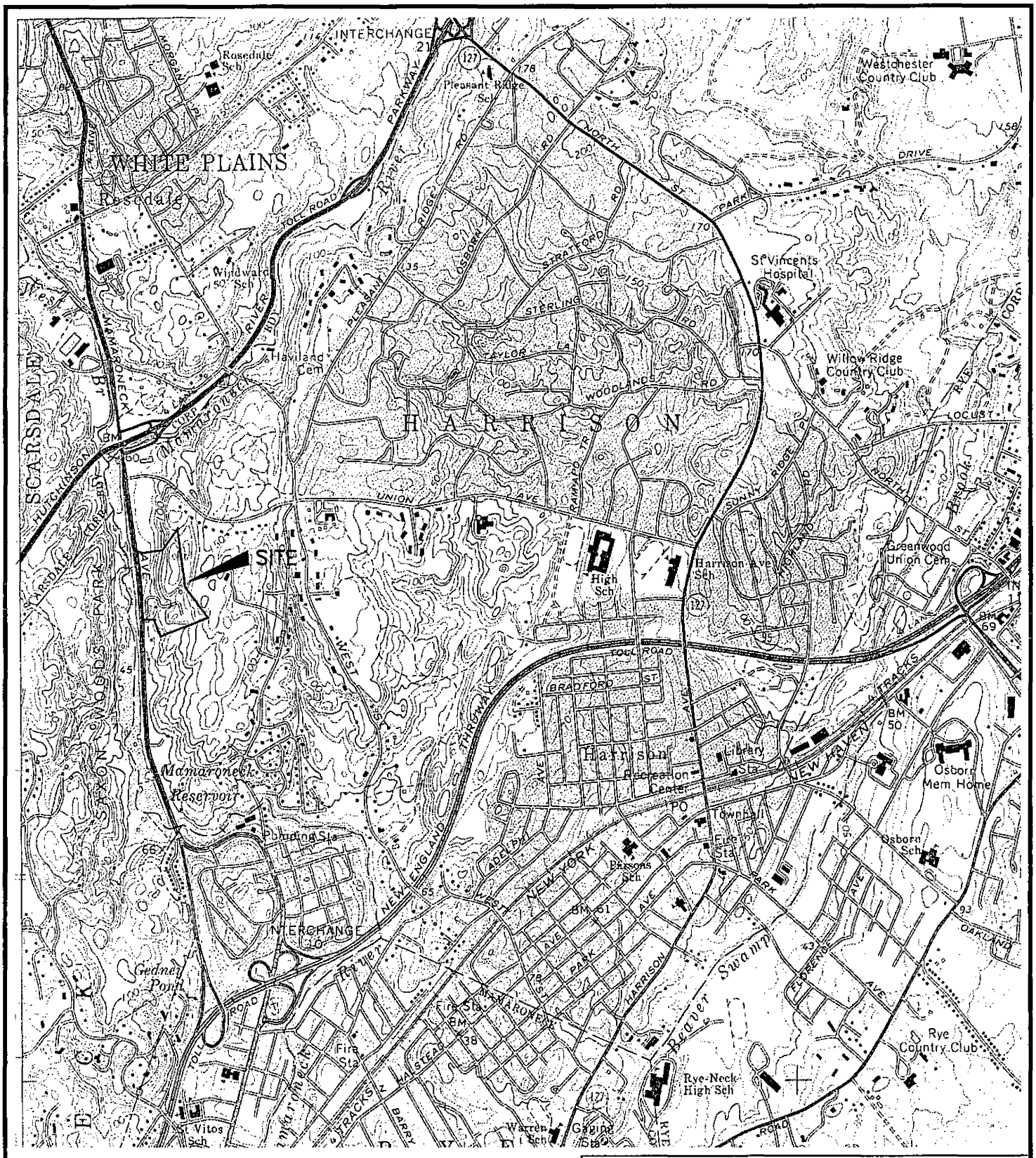
Section 1

1.0 *INTRODUCTION*

This Report summarizes the Supplemental Site Investigation conducted at the 500 Mamaroneck Avenue, Harrison, New York site by Environmental Resources Management (ERM) in November 2000. Figure 1-1 shows the location of the Site.

The investigation was conducted in response to the New York State Department of Environmental Conservation (NYSDEC) comment letter received in response to the ERM report entitled "Final Site Investigation Site Assessment Report," dated July 13, 2000 submitted to the NYSDEC on behalf of 500 Mamaroneck Avenue Associates (MAA). The scope of work included the collection of additional data in selected areas of the Site as suggested in the NYSDEC comment letter.

This Report is being submitted as an addendum to the April 2000 Final Site Investigation Site Assessment Report which together constitute the complete Final Site Investigation Report required under Paragraph 1.C. of the Voluntary Cleanup Agreement (VCA) in this matter. Previous Site data may be found in the April 2000 Final Site Investigation Site Assessment Report.



TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management			SCALE 1"=2000'	FIGURE 1—1
DRAWN RJR	JOB NO. x8101.00.01	FILE NAME x8101011	DATE 5/31/02	

Section 2

Section 2

2.0 *INVESTIGATION*

The purpose of this report is to present the findings of the Supplemental Site Investigation conducted on 20 and 21 November 2000 at 500 Mamaroneck Avenue, Harrison, New York (the Site). The supplemental investigation included collection of eleven surface soil samples from the eastern and southern buffer zone, and eight soil borings in the northwestern section of the property. All of the field notes from the Supplemental Investigation are presented in Appendix C.

This work supplements the previous investigation work carried out by ERM, Coneco Environmental Corporation, Dames and Moore, AKRF, US Hydrological and Merritt & Harris at the Site. Figure 2-2 shows the locations of borings from all of the previous investigations. Historical data for the Site may be found in the April 2000 ERM report "Final Site Investigation Site Assessment Report."

2.1 *BUFFER ZONE INVESTIGATION*

In response to the NYSDEC request to evaluate potential exposure pathways at the Site, a total of eleven surface soil samples were collected. Six samples were collected from the eastern buffer zone (ERMWETLAND-1, ERMWETLAND-2, SS-4ERM, SS-8ERM, SS-11ERM and SS-13ERM), and five samples were collected from the berm along the southern end of the parking areas (SB-1 through SB-5). The locations of the eastern buffer zone samples and the southern berm samples are shown in Figure 2-3. All samples were collected from the 0 – 2 inch interval below the vegetative layer.

The six surface soil samples from the eastern buffer zone were collected from selected locations in and adjacent to the seasonal wetland area. The

locations were selected based on field conditions and previous investigations. For safety reasons (i.e., potentially loose exposed boulders), the southern berm samples were collected from approximately halfway up the south side of the berm to obtain soil representative of residual Site materials. Selection of soil sampling locations in both the seasonal wetland and along the southern berm was carried out with the NYSDEC case manager present.

The samples were collected following ERM's Standard Operating Procedure (SOP) for surface soil sampling. Samples were preserved as appropriate and shipped by courier to Severn Trent Laboratories (STL) of Shelton, Connecticut. A summary of soil sampling intervals and their respective analyses are presented in Table 2-1. Sample analytical results are presented in Section 3.0.

All eleven samples were submitted for Target Analyte List (TAL) inorganics analysis. Samples were collected from an approximately 12-inch square area after the vegetative layer was scraped away. The soil was removed with a dedicated pre-cleaned trowel, transferred to a stainless steel bowl where any root debris and large rocks were removed, and the soil homogenized by mixing. The soil sample was then placed in an appropriate container for shipment to the analytical laboratory.

Samples were collected from the ERMWETLAND-1 and ERMWETLAND-2 locations for total organic carbon (TOC) analysis. The TOC samples were not homogenized and were placed directly into an appropriate sample container. Root debris and/or large rocks were avoided during collection of these samples.

2.2 *NORTHWESTERN SECTION INVESTIGATION*

The collection of additional soil data in the northwestern section of the property was to designed to address the NYSDEC's concern over possible migration of a "black tar-like or odorless black rubbery" substance which was observed in Coneco boring B-41 and in ERM boring ERM-48 (GP-48) (Figure 2-2), at depths ranging from 4 to 6 feet below ground surface (bgs). These two historical borings were located approximately 75 feet inside the property boundary. ERM boring ERM-31 (GP-31), installed just inside the property boundary, contained artificial debris and from 4 to 6 feet bgs, a black material resembling "cold patch asphalt" was observed. It is not clear from the descriptions contained in the geologic logs whether the material observed in Coneco–41 and ERM-48 is related to the material observed in ERM -31. Other borings installed in this section of the Site generally consisted of silty-sands, gravels and rock fragments.

To provide additional data regarding the distribution of subsurface artificial debris and "tar-like" substance in this portion of the Site, ERM installed eight additional soil borings as part of the supplemental investigation. Three soil borings were installed near ERM-31 (ERM-31A, ERM-31B, and ERM-31C) and five surrounding Coneco boring B-41 (ERM-48A, ERM-48B, ERM-48C, ERM-48D, and ERM-48E). Soil boring locations are shown on Figure 2-3.

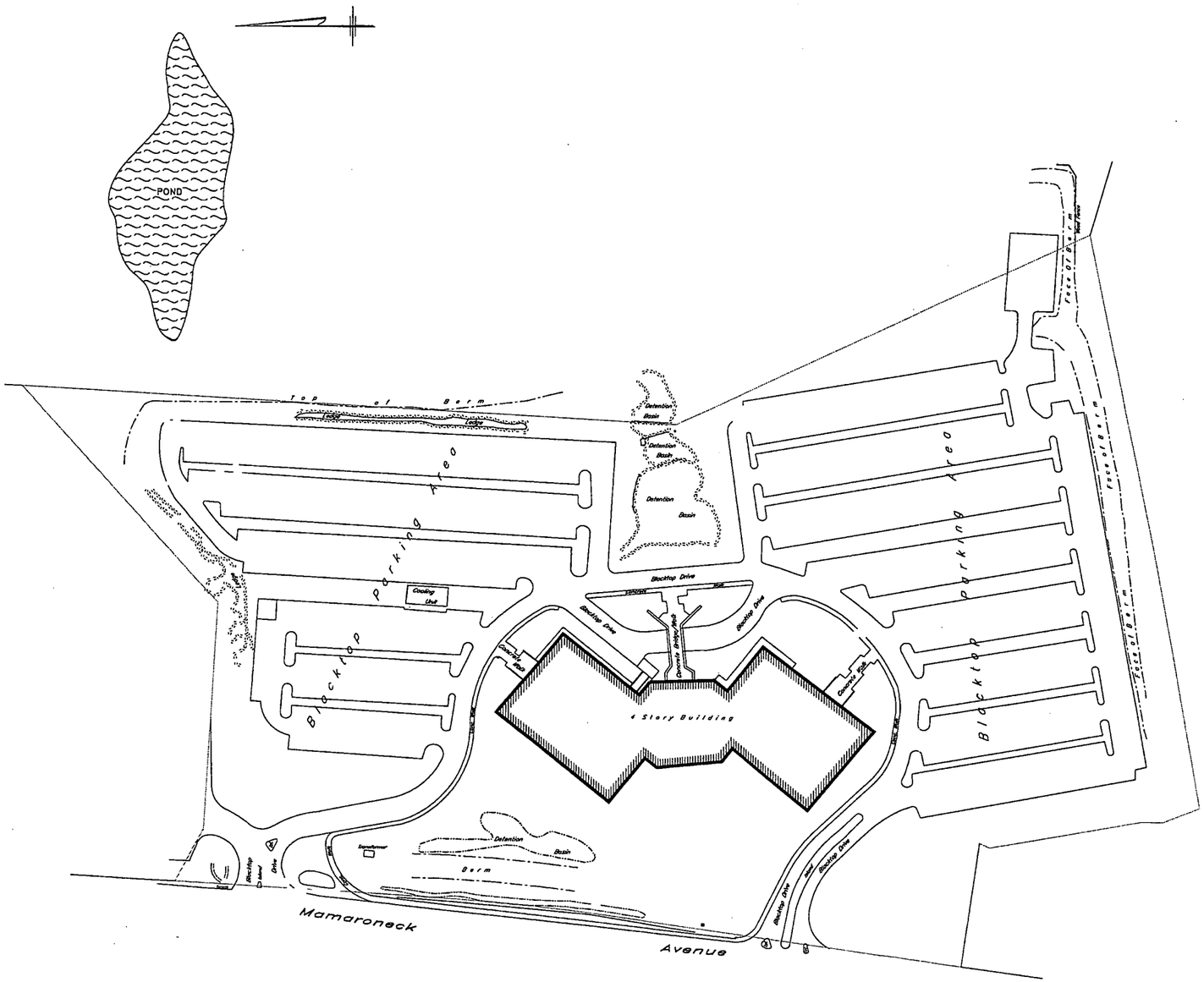
All borings were installed using a GeoProbe® and were advanced until native material or until bedrock was encountered. Continuous MacroCore® samples were collected at each location. Subsequent to sample collection, the soil was removed from the MacroCore® acetate liner, and screened for volatile organic compounds (VOCs) with a photoionization detector (PID).

At each boring location, the sample with the highest PID reading was placed in an appropriate sample jar and sent to the laboratory for analysis.

If the PID did not detect the presence of VOCs in soil, the sample from the deepest interval in the boring was submitted for analysis.

Soil samples were analyzed for target compound list (TCL) semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs). The results of these analyses are summarized in Section 3.0.

Fragments of a "tar-like" material were encountered at two boring locations, ERM-48A and ERM-48D. The "tar-like" material was placed in a sample bottle and sent to the analytical laboratory. The "tar-like" material was extracted using the toxicity characteristic leaching procedure (TCLP), and the extract analyzed for polynuclear aromatic compounds (PAHs) and metals. This sample was designated TAR-1. The TCLP results are presented in Section 3.0.



0 150' 300'

APPROXIMATE GRAPHIC SCALE

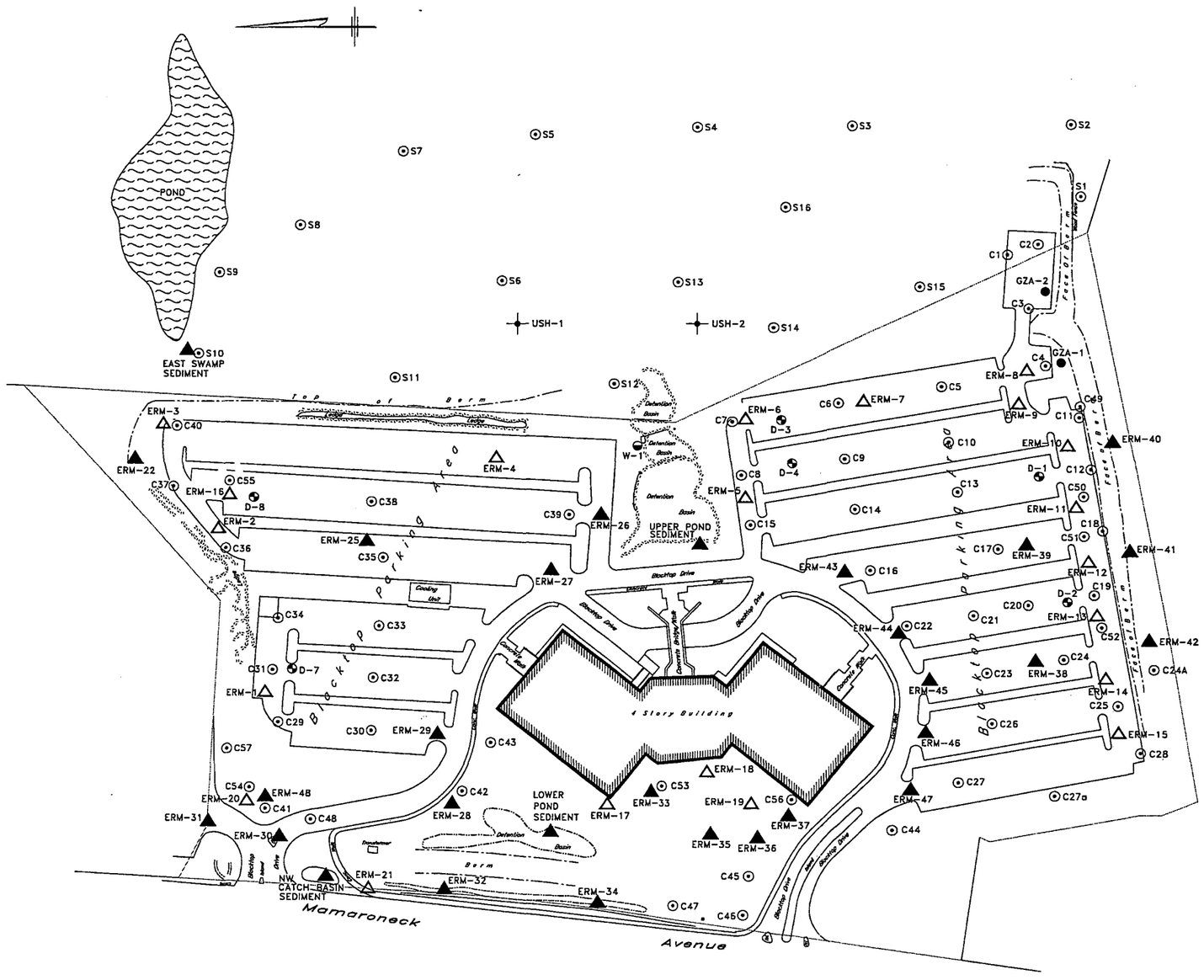
TITLE

SITE PLAN
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN	JOB NO.	FILE NAME	SCALE	FIGURE
R.J.R.	X8101.00.01	X8101007	GRAPHIC	2-1
			DATE 5/29/02	



LEGEND

- W-1 —GROUNDWATER SUPPLY WELL
- GZA-1 —GZA SAMPLING LOCATIONS – 1986
- USH-1 —USH INC. SAMPLING LOCATIONS – 1989
- D-1 —DAMES & MORE SAMPLING LOCATIONS–1989
- ERM-1 —ERM BORING LOCATIONS–1998
- C1, S1 —CONECO BORING LOCATIONS–1999
- ERM-22 —ERM BORING LOCATIONS–1999

0 160' 320'

APPROXIMATE GRAPHIC SCALE

TITLE

HISTORICAL SAMPLE LOCATIONS 500 MAMARONECK AVENUE

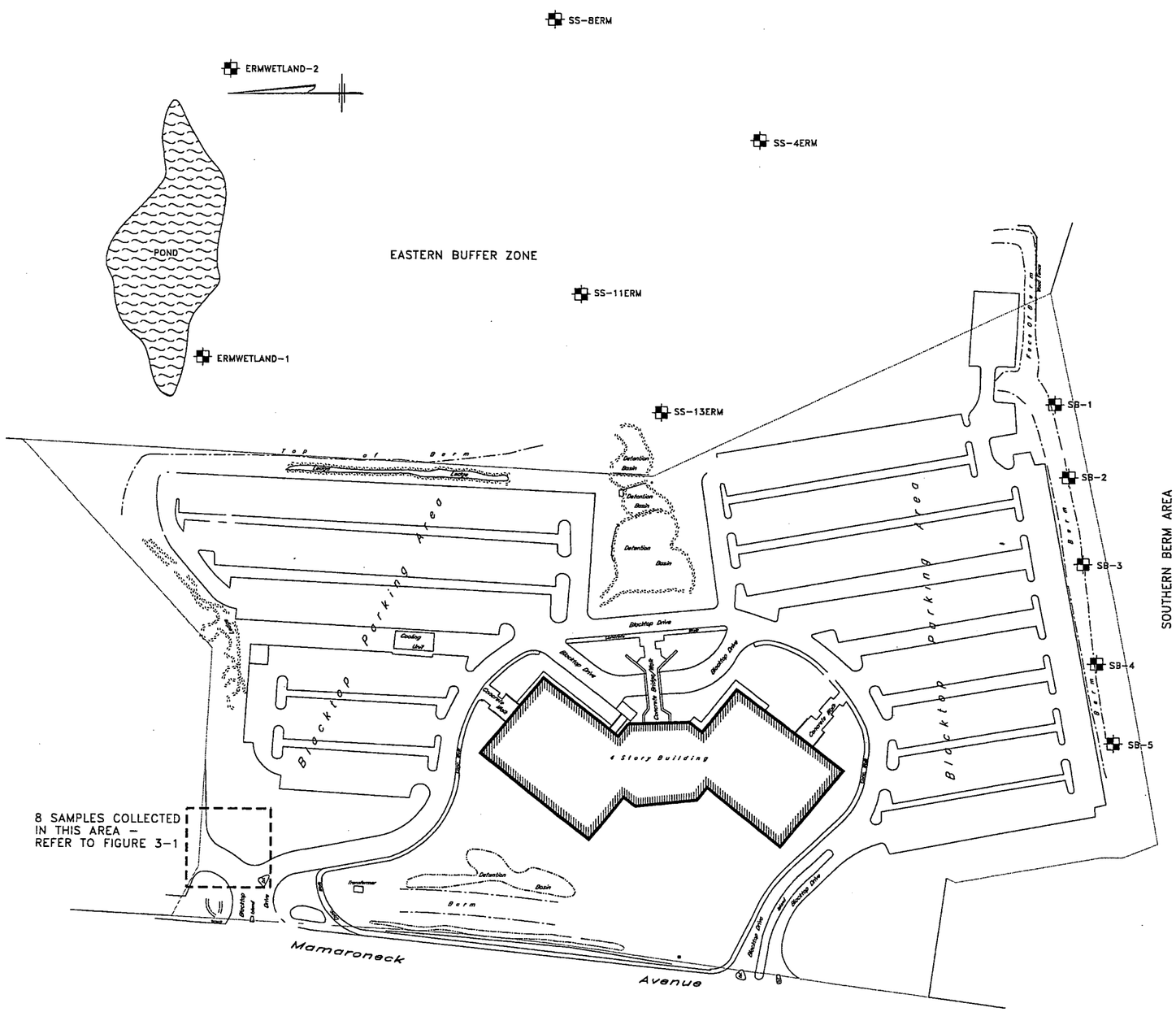
PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	2-2

DRAWN	JOB NO.	FILE NAME	DATE
R.J.R.	X8101.00.01	X8101008	05/25/02



LEGEND

SB-1 –ERM SAMPLING LOCATIONS – 2000

0 160' 320'

APPROXIMATE GRAPHIC SCALE

TITLE

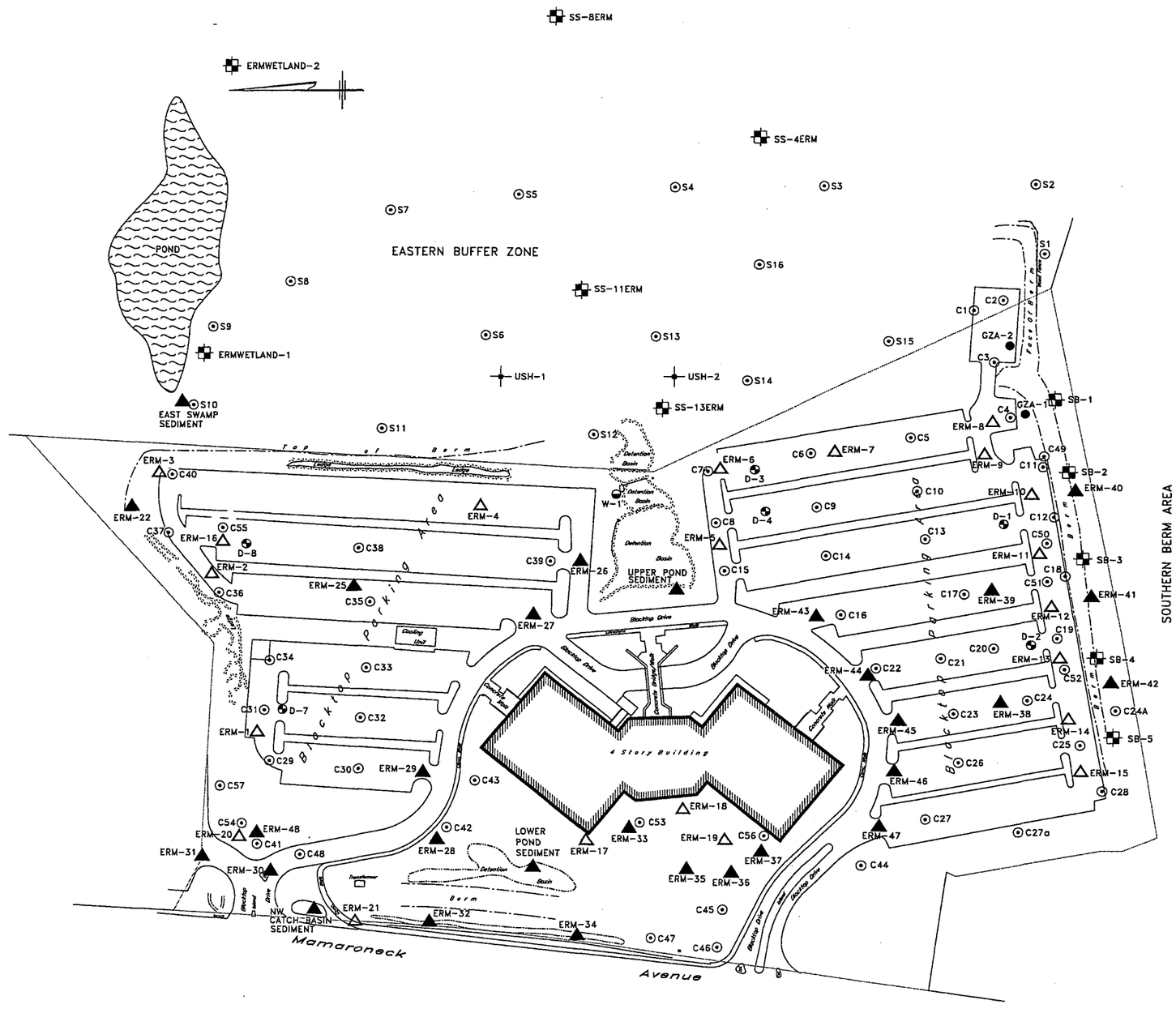
SUPPLEMENTAL INVESTIGATION
SAMPLE LOCATIONS
500 MAMARONECK AVENUE

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN:	JOB NO.:	FILE NAME:	SCALE	DATE	FIGURE
R.J.R.	X8101.00.01	X8101009	GRAPHIC	05/29/02	2-3



LEGEND

- W-1 –GROUNDWATER SUPPLY WELL
- GZA-1 –GZA SAMPLING LOCATIONS – 1986
- USH-1 –USH INC. SAMPLING LOCATIONS – 1989
- D-1 –DAMES & MORE SAMPLING LOCATIONS–1989
- ERM-1 –ERM BORING LOCATIONS–1998
- C1, S1 –CONECO BORING LOCATIONS–1999
- ERM-22 –ERM BORING LOCATIONS–1999
- SB-1 –ERM SAMPLING LOCATIONS – 2000

0 160' 320'

APPROXIMATE GRAPHIC SCALE

TITLE

LOCATIONS OF ALL SITE SAMPLES 500 MAMARONECK AVENUE

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN:	JOB NO:	FILE NAME:	SCALE	FIGURE
R.J.R.	X8101.00.01	X8101010	GRAPHIC	2-4
			DATE 05/29/02	

Table 2-1
Summary of Soil Sampling Intervals and Respective Analyses
Final Site Investigation
500 Mamaroneck Avenue,Harrison, New York

	PCBs	TCL SVOCs	TCLP SVOCs	TOC	TCLP Metals	TAL Metals
ERM31A	X	X				X
ERM31B	X	X				X
ERM31C	X	X				X
ERM48A	X	X				X
ERM48B	X	X				X
ERM48C	X	X				X
ERM48D	X	X				X
ERM48E	X	X				X
ERMWETLANDS-1				X		X
ERMWETLANDS-2				X		X
TAR-1			X		X	
SB-01						X
SB-02						X
SB-03						X
SB-04						X
SB-05						X
SS-11ERM						X
SS-13ERM						X
SS-4ERM						X
SS-8ERM						X

TCLP PAHs analyzed by USEPA SW-846 Method 8270C
TOC analyzed by USEPA SW-846 Method 9060
PCBs analyzed by USEPA SW-846 Method 8082
SVOCs analyzed by ASP Method 95-2
TCLP Metals analyzed by USPEA Method 6010B, with mercury by USPEA Method 7470A
Metals analyzed by NYSDEC ASP CLP Methods for Inorganics
X: Analysis Conducted

	Total PCB	Total SVOC	Total TCLP PAHs	Total TOC	Total TCLP Metals	Total Metals
Total Samples	8	8	1	2	1	19
MS/MSD	1	1				1
Blind Dup	1	1				2

Section 3

Section 3

3.0 *SOIL SAMPLE ANALYTICAL RESULTS*

As described Section 2.0, nineteen soil samples and the composite "tar-like" sample were collected and sent to STL-Connecticut for analysis. Eleven samples were analyzed as part of the Buffer Zone Investigation. Eight soil samples as well as the TAR-1 sample, were analyzed as part of the Northwestern Section Investigation.

The samples were analyzed for SVOCs, PCBs, TAL Metals, TCLP Metals, TCLP SVOCs and/or TOC. Table 2-1 summarized the samples collected and the analyses carried out. The results of the chemical analyses are presented in Table 3-1 through Table 3-9. A discussion of the soil sampling results is set forth below.

After receipt of laboratory data, a data review was carried out according to the protocols and quality control requirements of the specific methods used. The results of the data evaluation are presented in the Data Usability Summary Report (DUSR) contained in Appendix A and the raw data packages from STL-Connecticut are included in Appendix B.

Data were evaluated by comparing the analytical results with the guidance values presented in NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 "Determination of Soil Cleanup Objectives and Cleanup Levels" (January 1994), 40 Code of Federal Regulations (CFR) Part 261.3 (toxicity characteristic), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1Ambient Water Quality Standards and Guidance values, and NYSDEC Division of Fish & Wildlife and Marine Resources (DFWMRs) guidance document "Technical Guidance for Screening Contaminated Sediments" (January 1999).

For inorganic constituents in soil, the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs) were used to screen the chemicals detected in soil. Eastern USA regional data were used to evaluate metal concentrations where TAGM 4046 indicated the use of Site background concentrations in lieu of Site specific background samples. Sampling results from previous investigations were summarized in the ERM April 2000 Final Site Investigation Site Assessment Report.

3.1 *POLYCHLORINATED BIPHENYLS (PCBS)*

All eight soil samples from the northwestern section were analyzed for PCBs. The results of the PCB analysis are summarized in Table 3-1. Three PCB compounds were detected. Aroclor 1260 was detected in all eight samples, Aroclor 1254 was detected in four of the eight samples (ERM-31A (7-8′), ERM-31C (7-8′), ERM-48C (6-7′) and ERM-48D (4-5′)), and Aroclor 1232 was detected in three of the eight samples collected (ERM-31A (7-8′), ERM-48A (7-8′), ERM-48C (6-7′)).

Samples exhibiting detectable concentrations of PCBs were located from 4 to 8 feet bgs. PCB concentrations in all of the northwestern section samples were below the TAGM 4046 RSCO of 10,000 ug/kg for total PCBs concentration in sub-surface soil.

3.2 *SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCS)*

SVOCs were detected in the soil samples collected from the northwestern area. The detected SVOCs can be divided into two general categories: base neutrals and acid extractables. In addition, SVOCs were further categorized to evaluate PAHs and carcinogenic polynuclear aromatic hydrocarbons (CaPAHs) in soil. The results of the SVOC analyses are

summarized in Table 3-2 for acid extractable compounds and in Table 3-3 for base neutral compounds.

Phenol was the only acid extractable SVOC that was detected in any sample from the northwestern section of the property. ERM31A (7-8'), ERM31C (7-8'), and ERM48B (7-8') had estimated phenol concentrations of 29J ug/kg, 20J ug/kg, and 22J ug/kg, respectively. All samples were below the TAGM 4046 RSCO of 0.03 mg/kg. Sample results are presented in Table 3-2.

Base neutral compounds were detected in all of the eight samples collected from the northwestern section. Base neutral compounds, specifically PAHs, were detected above TAGM 4046 RSCOs in five of the eight samples analyzed for SVOCs. These were ERM48A (7-8'), ERM48B (7-8'), ERM48C (6-7'), ERM48D (4-5'), and ERM48E (5-6'). The 17 base neutral compounds that were detected above their RSCOs included naphthalene, 2-methylnaphthalene, acenaphthene, dibenzofuran, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,I)perylene. Base neutral SVOC sample results are presented in Table 3-3.

The PAHs detected are consistent with previous Site results reported in the April 2000 Final Investigation Site Assessment Report, which identified the presence of historical PAH impacts to Site soil. PAH concentrations in soil samples from the northwestern section were above their respective NYSDEC RSCOs at depths ranging from 4 to 8 feet bgs. Figure 3-1 shows the northwestern section sample locations with their respective total PAHs concentration.

3.3 TCLP ANALYTICAL RESULTS

A "tar-like" material was observed in borings ERM-48A (7-8') and ERM-48D (4-5.5'). Because only small amounts were encountered in each boring, the samples were combined and sent to the laboratory for TCLP metals and SVOCs analyses.

The TCLP results of TAR-1 were compared to TCLP regulation criteria (40 CFR Part 261.3 and NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance values. TOGS 1.1.1 values were selected as screening criteria to determine if leaching of constituents from the tar material would impact groundwater. The results are set forth below.

TCLP SVOCs-PAHs

A total of eight PAH compounds were detected in the "tar-like" material including: naphthalene, 2-methylnaphthalene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, and pyrene. There are no regulatory criteria for these compounds in 40 CFR Part 261.3, and all compounds were below their NYSDEC TOGS 1.1.1 guidance values. These results are presented in Table 3-4.

TCLP Metals

Four TCLP metals were detected in the TAR-1 sample: barium, cadmium, chromium, and lead. The results are presented in Table 3-5. All TCLP metal concentrations were below their respective NYSDEC TOGS 1.1.1 ambient water quality guidance values and their United States Environmental Protection Agency (USEPA) TCLP regulatory criteria.

3.4 *TOTAL ORGANIC CARBON (TOC)*

Two soil samples from the eastern buffer zone, ERMWETLAND-1 and ERMWETLAND-2, were collected for TOC analysis. The analytical results indicted organic carbon in the samples at 350,000 mg/kg and 252,000 mg/kg, respectively. The samples were collected in a low lying wetland area. The elevated readings were expected and are typical of TOC concentrations in organic-rich sediments. Sample results are presented in Table 3-6.

3.5 *INORGANICS*

Nineteen soil samples were collected and analyzed for TAL Metals. These include the six eastern buffer zone samples, five southern berm samples, and eight additional northwestern section samples, which are all shown in Figure 2-3. The analytical results are summarized in Table 3-7. Metals detected in these samples included aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, vanadium and zinc. TAGM 4046 levels, based either on eastern USA background concentrations or risk derived concentrations, were used for comparison purposes in lieu of Site-specific background soil concentrations. Comparison with these criteria (exclusive of essential minerals) indicated that the concentrations of arsenic, barium, cadmium, calcium, chromium, copper, magnesium, mercury, nickel, and zinc were above Eastern USA background criteria.

Arsenic was detected above the eastern USA background concentration of 12 mg/kg in four samples: SB-02 (0-0.5′) at 14.8J mg/kg, SB-03 (0-0.5′) at 13.4J mg/kg, ERM31C (7-8′) at 31J mg/kg, and ERM48B (7-8′) at 31 mg/kg.

Barium was detected above the eastern USA background concentration of 600 mg/kg in one sample, ERM31C (7-8′) at 1240 mg/kg.

Cadmium was detected above the 1 10 mg/kg eastern USA background concentration in four samples: SB-01 (0-0.5′) at 1.8J mg/kg, SB-02 (0-0.5′) at 3.1J mg/kg, SB-03 (0-0.5′) at 2.7J mg/kg, and ERM31C (7-8′) at 30.7J.

The concentration of chromium was above the 40 100 mg/kg eastern USA background concentration in twelve samples: ERM31C (7-8′) at 104 mg/kg, ERM48B (7-8′) at 66.2 mg/kg, ERM48C (6-7′) at 50.4 mg/kg, ERM48D (4-5′) at 40.7 mg/kg, ERM48E (5-6′) at 70.2 mg/kg, SB-1 at 50.9 mg/kg, SB-2 at 194 mg/kg, SB-3 at 83.4 mg/kg, SB-5 at 59.6 mg/kg, SS-13ERM (0-0.5′) at 46.6 mg/kg, SS-4ERM (0-0.5′) at 45.7 mg/kg and SS-8ERM (0-0.5′) at 49.1 mg/kg.

Copper was detected above the 50 mg/kg eastern USA background concentration in ten samples: ERM31A (7-8′) at 54J mg/kg, ERM31B (6-8′) at 80.4J mg/kg, ERM31C (7-8′) at 419J, ERM48A (7-8′) at 55.7J mg/kg, ERM48B(7-8′) at 348J mg/kg, ERM48C (6-7′) at 282J mg/kg, ERM48E (5-6′) at 114Jmg/kg, SB-01 (0-0.5′) at 174J mg/kg, SB-02 (0-0.5′) at 625J mg/kg, and SB-03 (0-0.5′) at 729J mg/kg.

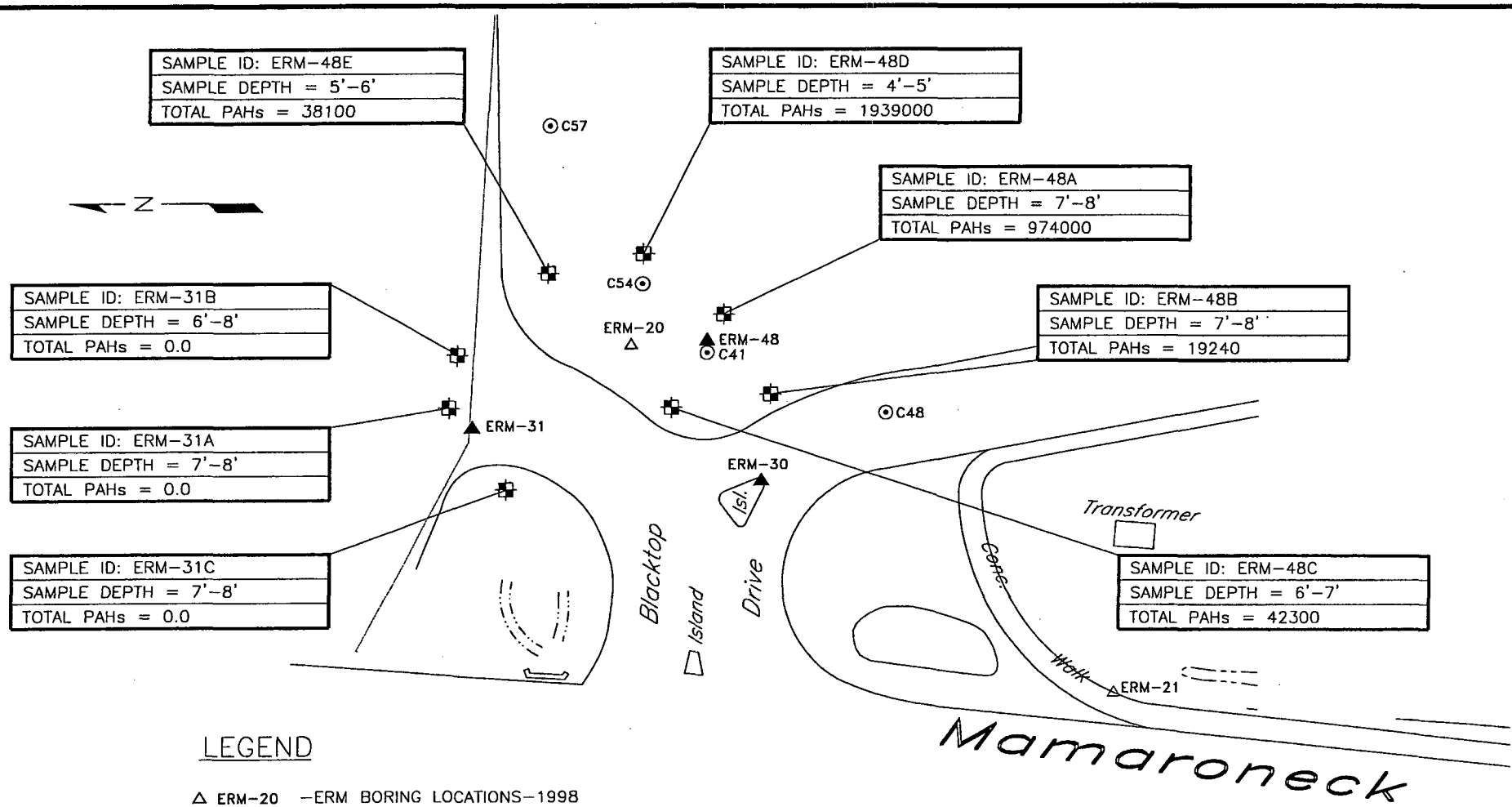
Lead was detected above the eastern USA background concentration of 500 mg/kg in six samples: ERM31B (6-8′) at 20,600 mg/kg, ERM31C (7-8′) at 2540 mg/kg, ERM48B (7-8″) at 2110 mg/kg, ERM48C (6-7′) at 832 mg/kg, SB-01 (0-0.5′) at 3889 mg/kg, SB-02 (0-0.5′) at 1040 mg/kg, and SB-03 at 1330 mg/kg.

Mercury was detected above the 0.2 mg/kg eastern USA background concentrations in ten samples: ERM31B (6-8′) at 0.22 mg/kg, ERM48C (6-

7′) at 0.52 mg/kg, ERMWETLAND-1 (0-0.5′) at 0.3 mg/kg, SB-01 (0-0.5′) at 0.49 mg/kg, SB-02 (0-0.5′) at 0.58 mg/kg, SB-03 (0-0.5′) at 0.75 mg/kg, SS-11ERM (0-0.5′) at 0.3 mg/kg, SS-13ERM (0-0.5′) at 0.22 mg/kg, SS-4ERM(0-0.5′) at 0.31 mg/kg and SS-8ERM (0-0.5′) at 0.35 mg/kg.

Nickel exceeded the eastern USA background concentration of 25 mg/kg in eleven samples: ERM31B (6-8′) at 25.4J mg/kg, ERM31C (7-8′) at 54.2 mg/kg, ERM 48A (7-8′) at 48.8 mg/kg, ERM48B (7-8′) at 61.4 mg/kg, ERM48C (6-7′) at 35.6 mg/kg, ERM48D (4-5′) at 27.5 mg/kg, ERM48E (5-6′) at 36 mg/kg, SB-01 (0-0.5′) at 39.9 mg/kg, SB-02 (0-0.5′) at 122 mg/kg, SB-03 (0-0.5′) at 130 mg/kg, and SB-05 (0-0.5′) at 94.5 mg/kg.

The eastern USA background concentration of zinc is 50 mg/kg. All 19 samples were above the background concentration at: ERM31A (7-8′) at 172J mg/kg, ERM48A (7-8′) at 363J mg/kg, ERM31C (7-8′) at 4810J mg/kg, ERM48A (7-8′) at 143J mg/kg, ERM48B (7-8′) at 766J mg/kg, ERM48C (6-7′) at 1030J mg/kg, ERM48D (4-5′) at 101J mg/kg, ERM48E (5-6′) at 324J mg/kg, ERMWETLAND-1 at 147J mg/kg, ERMWETLAND-2 at 54.8J mg/kg, SB-1 at 805J mg/kg, SB-2 at 1400J mg/kg, SB-3 at 1710J mg/kg, SB-4 at 104J mg/kg, SB-5 at 127J mg/kg, SS-11ERM (0-2″) at 71.6J mg/kg, SS-13ERM (0-2″)at 76.3J mg/kg, SS-4ERM (0-2″)at 82.8J mg/kg, and SS-8ERM (0-2″) at 61.9J mg/kg. The LEL sediment criterion for zinc is 120 mg/kg. One sample, ERMWETLAND-1 (0-0.5′), was above this concentration at 147J mg/kg.



LEGEND

△ ERM-20 —ERM BORING LOCATIONS—1998

▲ ERM-30 —ERM BORING LOCATIONS—1999

⊙ C41 —CONECO BORING LOCATIONS—1999

ERM-48A —ERM BORING LOCATIONS – NOVEMBER 2000

PAH – POLYNUCLEAR AROMATIC HYDROCARBON

RESULTS ARE PRESENTED IN ppb

0 50' 100'

GRAPHIC SCALE

TITLE

NORTHWESTERN SECTION
SAMPLING LOCATIONS
500 MAMARONECK AVENUE

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

Environmental Resources Management
ERM

SCALE	FIGURE
GRAPHIC	3-1

DRAWN:	JOB NO.:	FILE NAME:	DATE
R.J.R.	X8101.00.01	X8101006	5/29/02

TABLE 3-1
Summary of Soil Analytical Results - Polychlorinated Biphenyls (PCBs)
Final Site Investigation
500 MamaroneckAvenue, Harrison, New York

CONSTITUENT / SAMPLE ID / DATE / DEPTH (ft)	ERM31B 11/21/00 6'-8'	DUP112100 ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'
Aroclor 1016	40 U	42 U	42 U	39 U
Aroclor 1221	82 U	85 U	85 U	78 U
Aroclor 1232	40 U	42 U	23 J	39 U
Aroclor 1242	40 U	42 U	42 U	39 U
Aroclor 1248	40 U	42 U	42 U	39 U
Aroclor 1254	40 U	42 U	34 J	36 J
Aroclor 1260	13 J	9.1 J	30 J	22 J
Sum of Constituents	13 J	9.1 J	87 J	58 J

Notes:
Results are presented in ug/kg.
U=Analyzed for but not detected.
J=Estimated value.
NYSDEC Recommended Soil Cleanup Objectives (RSCO) as per NYSDEC TAGM No. HWR-94-4046 (1/24/994):
1000 ug/l at surface / 10,000 ug/l in subsurface.

TABLE 3-1
Summary of Soil Analytical Results - Polychlorinated Biphenyls (PCBs)
Final Site Investigation
500 MamaroneckAvenue, Harrison, New York

CONSTITUENT / SAMPLE ID / DATE / DEPTH (ft)	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'	ERM48D 11/21/00 4'-5'	ERM48E 11/21/00 5'-6'
Aroclor 1016	38 U	38 U	37 U	73 U	37 U
Aroclor 1221	77 U	78 U	75 U	150 U	76 U
Aroclor 1232	44 J	38 U	210 J	73 U	37 U
Aroclor 1242	38 U	38 U	37 U	73 U	37 U
Aroclor 1248	38 U	38 U	37 U	73 U	37 U
Aroclor 1254	38 U	38 U	140	400 J	37 U
Aroclor 1260	67 J	28 J	110 J	210 J	11 J
Sum of Constituents	111 J	28 J	460 J	610 J	11 J

Notes:
Results are presented in ug/kg.
U=Analyzed for but not detected.
J=Estimated value.
NYSDEC Recommended Soil Cleanup Objectives (RSCO) as per NYSDEC TAGM No. HWR-94-4046 (1/24/994):
1000 ug/l at surface / 10,000 ug/l in subsurface.

TABLE 3-2
Summary of Soil Analytical Results - Semivolatile Organic Compounds-Acid Extractables
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM31B 11/21/00 6'-8'	DUP112100 ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'
Phenol	.03 or MDL		400 U	430 U	29 J	20 J
2-Chlorophenol	0.8		400 U	430 U	410 U	390 U
2-Methylphenol	0.1 or MDL		400 U	430 U	410 U	390 U
4-Methylphenol	0.9		400 U	430 U	230 J	61 J
2-Nitrophenol	0.33 or MDL		400 U	430 U	410 U	390 U
2,4-Dimethylphenol	N/A		400 UJ	430 UJ	410 UJ	390 UJ
2,4-Dichlorophenol	0.4		400 U	430 U	410 U	390 U
4-Chloro-3-methylphenol	0.24		400 U	430 U	410 U	390 U
2,4,6-Trichlorophenol	N/A		400 U	430 U	410 U	390 U
2,4,5-Trichlorophenol	0.1		1000 U	1100 U	1000 U	980 U
2,4-Dinitrophenol	0.2 or MDL		1000 U	1100 U	1000 U	980 U
4-Nitrophenol	0.1 or MDL		1000 UJ	1100 UJ	1000 UJ	980 UJ
4,6-Dinitro-2-methylphenol	N/A		1000 U	1100 U	1000 U	980 U
Pentachlorophenol	1.0 or MDL		1000 U	1100 U	1000 U	980 U

Notes:
RSCO cleanup objectives are in mg/kg and Results are in ug/kg
U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available
MDL= Method Detection Limit

TABLE 3-2
Summary of Soil Analytical Results - Semivolatile Organic Compounds-Acid Extractables
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM48E 11/21/00 5'-6'	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'	ERM48D 11/21/00 4'-5'
Phenol	.03 or MDL		1500 U	19000 U	22 J	1500 U	73000 U
2-Chlorophenol	0.8		1500 U	19000 U	380 U	1500 U	73000 U
2-Methylphenol	0.1 or MDL		1500 U	19000 U	380 U	1500 U	73000 U
4-Methylphenol	0.9		1500 U	19000 U	380 U	1500 U	73000 U
2-Nitrophenol	0.33 or MDL		1500 U	19000 U	380 U	1500 U	73000 U
2,4-Dimethylphenol	N/A		1500 UJ	19000 UJ	380 UJ	1500 UJ	73000 UJ
2,4-Dichlorophenol	0.4		1500 U	19000 U	380 U	1500 U	73000 U
4-Chloro-3-methylphenol	0.24		1500 U	19000 U	380 U	1500 U	73000 U
2,4,6-Trichlorophenol	N/A		1500 U	19000 U	380 U	1500 U	73000 U
2,4,5-Trichlorophenol	0.1		3700 U	48000 U	970 U	3800 U	180000 U
2,4-Dinitrophenol	0.2 or MDL		3700 U	48000 U	970 U	3800 U	180000 U
4-Nitrophenol	0.1 or MDL		3700 UJ	48000 UJ	970 UJ	3800 UJ	180000 UJ
4,6-Dinitro-2-methylphenol	N/A		3700 U	48000 U	970 U	3800 U	180000 U
Pentachlorophenol	1.0 or MDL		3700 UJ	48000 U	970 U	3800 U	180000 U

Notes:
RSCO cleanup objectives are in mg/kg and Results are in ug/kg
U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available
MDL= Method Detection Limit

TABLE 3-3
Summary of Soil Analytical Results - Semivolatile Organic Compounds- Base Neutrals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Obectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM31B 11/21/00 6'-8'	ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'	ERM48E 11/21/00 5'-6'
Bis(2-chloroethyl)ether	N/A		400 U	430 U	410 U	390 U	1500 U
1,3-Dichlorobenzene	1.6		400 U	430 U	410 U	390 U	1500 U
1,2-Dichlorobenzene	7.9		400 U	430 U	410 U	390 U	1500 U
1,4-Dichlorobenzene	8.5		400 U	430 U	410 U	390 U	1500 U
2,2'-oxybis(1-Chloropropane)	N/A		400 U	430 U	410 U	390 U	1500 U
N-Nitroso-di-n-propylamine	N/A		400 U	430 U	410 U	390 U	1500 U
Hexachloroethane	N/A		400 UJ	430 UJ	410 UJ	390 UJ	1500 UJ
Nitrobenzene	0.200 or MDL		400 U	430 U	410 U	390 U	1500 U
Isophorone	4.4		400 U	430 U	410 U	390 U	1500 U
Bis(2-chloroethoxy)methane	N/A		400 U	430 U	410 U	390 U	1500 U
1,2,4-Trichlorobenzene	3.4		400 U	430 U	410 U	390 U	1500 U
Naphthalene	13		25 J	15 J	37 J	14 J	2100
4-Chloroaniline	0.220 or MDL		400 U	430 U	410 U	390 U	1500 U
Hexachlorobutadiene	N/A		400 U	430 U	410 U	390 U	1500 U
2-Methylnaphthalene	36.4		40 J	14 J	26 J	11 J	1000 J
Hexachlorocyclopentadiene	N/A		400 U	430 U	410 U	390 U	1500 U
2-Chloronaphthalene	N/A		400 U	430 U	410 U	390 U	1500 U
2-Nitroaniline	0.430 or MDL		1000 U	1100 U	1000 U	980 U	3700 U
Dimethylphthalate	2		400 U	430 U	410 U	390 U	1500 U
Acenaphthylene	41		400 UJ	17 J	10 J	390 U	160 J
2,6-Dinitrotoluene	1		400 U	430 U	410 U	390 U	1500 U
3-Nitroaniline	0.500 or MDL		1000 U	1100 U	1000 U	980 U	3700 U
Acenaphthene	50.0***		12 J	430 UJ	12 J	390 U	1200 J
Dibenzofuran	6.2		16 J	8 J	19 J	390 U	1300 J
2,4-Dinitrotoluene	N/A		400 U	430 U	410 U	390 U	1500 U
Diethylphthalate	7.1		16 J	430 UJ	45 J	390 U	1500 U
4-chlorophenyl-phenylether	N/A		400 U	430 U	410 U	390 U	1500 U
Fluorene	50.0***		21 J	14 J	19 J	390 U	1800
4-Nitroaniline	N/A		1000 UJ	1100 UJ	1000 UJ	980 UJ	3700 UJ
N-Nitrosodiphenylamine (1)	N/A		400 U	430 U	410 U	390 U	1500 U
4-Bromophenyl-phenylether	N/A		400 U	430 U	410 U	390 U	1500 U
Hexachlorobenzene	0.41		400 U	430 U	410 U	390 U	1500 U
Phenanthrene	50.0***		140 J	160 J	110 J	44 J	7900
Anthracene	50.0***		23 J	22 J	24 J	390 U	2000
Carbazole	N/A		400 U	430 U	11 J	390 U	1200 J
Di-n-butylphthalate	8.1		21 J	20 J	72 J	42 J	1500 U
Fluoranthene	50.0***		110 J	130 J	94 J	45 J	6900
Pyrene	50.0***		230 J	270 J	150 J	60 J	7100 J
Butylbenzylphthalate	50.0***		400 U	430 U	410 U	390 U	1500 U
3,3'-Dichlorobenzidine	N/A		400 U	430 U	410 U	390 U	1500 U
Benzo(a)anthracene	0.224 or MDL		54 J	62 J	47 J	23 J	2900
Chrysene	0.4		82 J	110 J	64 J	30 J	3100
Bis(2-ethylhexyl)phthalate	50.0***		1900 U	430 U	410 U	390 U	1500 U
Di-n-octylphthalate	50.0***		400 U	430 U	410 U	390 U	1500 U
Benzo(b)fluoranthene	1.1		40 J	47 J	39 J	390 U	2000
Benzo(k)fluoranthene	1.1		35 J	52 J	39 J	390 U	1800
Benzo(a)pyrene	0.061 or MDL		42 J	56 J	45 J	390 U	2700
Indeno(1,2,3-cd)pyrene	3.2		41 J	53 J	52 J	390 U	2400
Dibenz(a,h)anthracene	0.014 or MDL		400 U	430 U	410 U	390 U	650 J
Benzo(g,h,i)perylene	50.0***		79 J	95 J	85 J	390 U	2500

Notes:

RSCO cleanup objectives are presented in mg/kg and Results are presented in ug/kg

**** As per TAGM #4046, Total VOCs < 10 ppm., Total Semi-VOCs <500 ppm. and Individual Semi-VOCs < 50 ppm.*

Bold Characters and shaded cells represent detections above NYSDEC RSCO

U=Analyzed for but not detected

J=Estimated value

UJ=Not detected at estimated value

N/A=Not available

MDL= Method Detection Limit

TABLE 3-3
Summary of Soil Analytical Results - Semivolatile Organic Compounds- Base Neutrals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Obectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'	ERM48D 11/21/00 4'-5'
Bis(2-chloroethyl)ether	N/A		19000 U	380 U	1500 U	73000 U
1,3-Dichlorobenzene	1.6		19000 U	380 U	1500 U	73000 U
1,2-Dichlorobenzene	7.9		19000 U	380 U	1500 U	73000 U
1,4-Dichlorobenzene	8.5		19000 U	380 U	1500 U	73000 U
2,2'-oxybis(1-Chloropropane)	N/A		19000 U	380 U	1500 U	73000 U
N-Nitroso-di-n-propylamine	N/A		19000 U	380 U	1500 U	73000 U
Hexachloroethane	N/A		19000 UJ	380 UJ	1500 UJ	73000 UJ
Nitrobenzene	0.200 or MDL		19000 U	380 U	1500 U	73000 U
Isophorone	4.4		19000 U	380 U	1500 U	73000 U
Bis(2-chloroethoxy)methane	N/A		19000 U	380 U	1500 U	73000 U
1,2,4-Trichlorobenzene	3.4		19000 U	380 U	1500 U	73000 U
Naphthalene	13		36000	660	230 J	88000
4-Chloroaniline	0.220 or MDL		19000 U	380 U	1500 U	73000 U
Hexachlorobutadiene	N/A		19000 U	380 U	1500 U	73000 U
2-Methylnaphthalene	36.4		18000 J	330 J	130 J	40000 J
Hexachlorocyclopentadiene	N/A		19000 U	380 U	1500 U	73000 U
2-Chloronaphthalene	N/A		19000 U	380 U	1500 U	73000 U
2-Nitroaniline	0.430 or MDL		48000 U	970 U	3800 U	180000 U
Dimethylphthalate	2		19000 U	380 U	1500 U	73000 U
Acenaphthylene	41		2800 J	58 J	41 J	5000 J
2,6-Dinitrotoluene	1		19000 U	380 U	1500 U	73000 U
3-Nitroaniline	0.500 or MDL		48000 U	970 U	3800 U	180000 U
Acenaphthene	50.0***		24000	480	640 J	54000 J
Dibenzofuran	6.2		27000	490	470 J	57000 J
2,4-Dinitrotoluene	N/A		19000 U	380 U	1500 U	73000 U
Diethylphthalate	7.1		19000 U	380 U	1500 U	73000 U
4-chlorophenyl-phenylether	N/A		19000 U	380 U	1500 U	73000 U
Fluorene	50.0***		38000	700	790 J	82000
4-Nitroaniline	N/A		48000 UJ	970 UJ	3800 UJ	180000 UJ
N-Nitrosodiphenylamine (1)	N/A		19000 U	380 U	1500 U	73000 U
4-Bromophenyl-phenylether	N/A		19000 U	380 U	1500 U	73000 U
Hexachlorobenzene	0.41		19000 U	380 U	1500 U	73000 U
Phenanthrene	50.0***		140000	2700	5700	340000
Anthracene	50.0***		40000	790	1700	90000
Carbazole	N/A		23000	500	840 J	57000 J
Di-n-butylphthalate	8.1		19000 U	380 U	1500 U	73000 U
Fluoranthene	50.0***		120000	2400	5800	320000
Pyrene	50.0***		150000	3000	6900	280000
Butylbenzylphthalate	50.0***		19000 U	380 U	1500 U	73000 U
3,3'-Dichlorobenzidine	N/A		19000 U	380 U	1500 U	73000 U
Benzo(a)anthracene	0.224 or MDL		58000	1200	3400	120000
Chrysene	0.4		59000	1200	3500	130000
Bis(2-ethylhexyl)phthalate	50.0***		19000 U	380 U	1500 U	73000 U
Di-n-octylphthalate	50.0***		19000 U	380 U	1500 U	73000 U
Benzo(b)fluoranthene	1.1		38000	790	2700	100000
Benzo(k)fluoranthene	1.1		36000	730	2400	91000
Benzo(a)pyrene	0.061 or MDL		52000	1000	2900	120000
Indeno(1,2,3-cd)pyrene	3.2		61000	1200	3200	80000
Dibenz(a,h)anthracene	0.014 or MDL		17000 J	340 J	1200 J	23000 J
Benzo(g,h,i)perylene	50.0***		72000	1400	4100	98000

Notes:
RSCO cleanup objectives are presented in mg/kg and Results are presented in ug/kg
**** As per TAGM #4046, Total VOCs < 10 ppm., Total Semi-VOCs <500 ppm. and Individual Semi-VOCs < 50 ppm.*
Bold Characters and shaded cells represent detections above NYSDEC RSCO

U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available
MDL= Method Detection Limit

TABLE 3-4
Summary of Soil Analytical Results - TCLP Semivolatile Organic Compounds- Polynuclear Aromatic Hydrocarbons (PAHs)
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Ambient Water Quality Standards & Guidance Values (TOGS 1.1.1) ug/L	Groundwater Standards/Criteria (TAGM 4046) ug/L	SAMPLE ID DATE	TAR-1 11/21/00
Naphthalene	10	10		4 J
2-Methylnaphthalene	42	50		0.3 J
Acenaphthylene	48	20		20 U
Acenaphthene	20	20		0.3 J
Fluorene	50	50		0.3 J
Phenanthrene	50	50		0.7 J
Anthracene	50	50		0.1 J
Fluoranthene	50	50		0.2 J
Pyrene	50	50		0.2 J
Benzo(a)anthracene	0.002	0.002		20 U
Chrysene	0.002	0.002		20 U
Benzo(b)fluoranthene	0.002	0.002		20 U
Benzo(k)fluoranthene	0.002	0.002		20 U
Benzo(a)pyrene	N /A	0.002		20 U
Indeno(1,2,3-cd)pyrene	0.002	0.002		20 UJ
Dibenzo(a,h)anthracene	N/A	50		20 UJ
Benzo(ghi)perylene	N/A	5		20 UJ

Notes:
Ambient Water Quality Standards & Guidance Values and Results are presented in ug/L
U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available

TABLE 3-5
Summary of Soil Analytical Results - TCLP Metals
Final Site Investigation
500 MamaroneckAvenue, Harrison, New York

CONSTITUENT	Ambient Water Quality Standards & Guidance Values (TOGS 1.1.1) ug/L	40 CFR Part 261.3 Level (ug/L)	SAMPLE ID DATE	TAR-1 11/21/00
Arsenic	25	5000		5.0 U
Barium	1000	100,000		289
Cadmium	5	1000		1.8 J
Chromium	50	5000		2.1
Lead	25	5000		13.1
Mercury	0.7	200		0.10 U
Selenium	10	1000		5.0 U
Silver	50	5000		1.0 U

Notes:
Ambient Water Quality Standards and Guidance Values and Results are presented in ug/L.
U=Analyzed for but not detected.
J=Estimated value.

TABLE 3-6
Summary of Soil Analytical Results - Total Organic Carbon
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	SAMPLE ID DATE DEPTH (ft)	ERMWETLAND-1 11/21/00 0 - 0.5	ERMWETLAND-2 11/21/00 0 - 0.5
Total Organic Carbon		350000	252000

Notes:
Results are presented in mg/kg.

TABLE 3-7
Summary of Soil Analytical Results - Target Analyte List (TAL) Metals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Eastern USA Background mg/kg	CRDL mg/kg	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM31B 11/21/00 6'-8'	DUP112100 ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'
Aluminum	33,000	2.0	SB		12100	8600	12600	9140	9690	13500	12400
Antimony	N/A	0.6	SB		25.2 J	14.4 J	R	60.7 J	R	32.1 J	1.8 J
Arsenic	3-12 **	0.1	7.5 or SB		8 J	38.2 J	8.7 J	31 J	3.9 J	31.9 J	9.7 J
Barium	15-600	2.0	360 or SB		295	506	222	1240	84.4	270	538
Beryllium	0-1.75	0.05	0.16 (HEAST) or SB		0.29	0.12	0.42	0.17	0.26	0.17	0.36
Cadmium	0.1-1	0.05	1 or SB		0.087 UJ	0.091 UJ	0.1 UJ	30.7 J	0.1 UJ	0.093 UJ	4.8 J
Calcium	130 - 35,000 **	50.0	SB		6030 J	29800 J	4050 J	43700 J	6480 J	8920 J	14900 J
Chromium	1.5 - 40 **	0.1	10 or SB		36.6	56.7	26	104	24.4	66.2	50.4
Cobalt	2.5 – 60 **	0.5	30 or SB		8.4 J	45.2 J	9	10.3	7.7	22.9	11.1
Copper	1-50	0.25	25 or SB		80.4 J	497 J	54 J	419 J	55.7 J	348 J	282 J
Iron	2,000 - 550,000	1.0	2,000 or SB		36300 J	196000 J	43400	206000	22600	172000	38200
Lead	***	0.03	SB ****		20600 J	5240 J	88.6 J	2540 J	166 J	2110 J	832 J
Magnesium	100 - 5,000	50.0	SB		4740	2020	3820	2820	4460	5090	3810
Manganese	50 - 5,000	0.15	SB		317 J	1180 J	372	1100	274	906	308
Mercury	0.001- 0.2	0.002	0.1		0.22	0.39	0.16	0.14	0.042	0.066	0.52
Nickel	0.5- 25	0.4	13 or SB		25.4 J	125 J	24.5	54.2	48.8	61.4	35.6
Potassium	8,500 - 43,000 **	50.0	SB		4650	1560	2980	1300	3690	6540	1670
Selenium	0.1- 3.9	0.05	2 or SB		0.87 UJ	0.91 UJ	1 J	0.88 UJ	1 UJ	0.93 UJ	1.2 UJ
Silver	N/A	0.1	SB		1.6	2.8	0.24	4.9	0.21 U	1.4	2
Sodium	6,000 - 8,000	50.0	SB		923 J	2990 J	823	1680	166	594	561
Thallium	N/A	0.1	SB		1.1 UJ	1.1 U	1.2 U	1 U	2 UJ	1.1 U	1.4 U
Vanadium	1-300	0.5	150 or SB		31.4	43.8	33.3	99.5	32.6	33.2	37.1
Zinc	9-50	0.2	20 or SB		363 J	1900 J	172 J	4810 J	143 J	766 J	1030 J

Notes:

Eastern USA Background, CRDL, RSCO, and Results presented in mg/kg
CRDL = Contract Required Detection Limit
N/A - is not available
U - Analyzed for, but not detected
J - estimated value
UJ - Not detected at estimated value

R - Value rejected, data not useable
SB= Site Background
Shaded cells represent detections above Eastern USA Background range
** New York State background
*** As per TAGM #4046, background levels in metropolitan or suburban areas range from 200-500 ppm

TABLE 3-7
Summary of Soil Analytical Results - Target Analyte List (TAL) Metals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Eastern USA Background mg/kg	CRDL mg/kg	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM48D 11/21/00 4'-5'	ERM48E 11/21/00 5'-6'	ERMWETLAND-1 11/21/00 0 - 0.5	ERMWETLAND-2 11/21/00 0 - 0.5	SB-1 11/21/00 0 - 0.5	SB-2 11/21/00 0 - 0.5
Aluminum	33,000	2.0	SB		11200	17000	10200	10000	12900	15600
Antimony	N/A	0.6	SB		R	2.9 J	R	R	3.3 J	8.3 J
Arsenic	3-12 **	0.1	7.5 or SB		3.6 UJ	7.1 J	11 J	7.1 J	8.2 J	14.8 J
Barium	15-600	2.0	360 or SB		131	346	392	195	245	449
Beryllium	0-1.75	0.05	0.16 (HEAST) or SB		0.41	0.31	0.99	0.64	0.3	0.27
Cadmium	0.1-1	0.05	1 or SB		0.11 UJ	0.8 J	0.65 J	0.41 UJ	1.8 J	3.1 J
Calcium	130 - 35,000 **	50.0	SB		8310 J	11300 J	8200 J	8420 J	7600 J	9270 J
Chromium	1.5 - 40 **	0.1	10 or SB		40.7	70.2	26.7	26.3	50.9	194
Cobalt	2.5 – 60 **	0.5	30 or SB		8.8	13.6	4.4	4.3	9.2	12.6
Copper	1-50	0.25	25 or SB		31.5 J	114 J	29.4 J	23.1 J	174 J	625 J
Iron	2,000 - 550,000	1.0	2,000 or SB		20500	43400	8410	9000	64100	74400
Lead	***	0.03	SB ****		59.8 J	358 J	86.1 J	96.8 J	3880 J	1040 J
Magnesium	100 - 5,000	50.0	SB		8390	10100	3510	3550	5440	5730
Manganese	50 - 5,000	0.15	SB		374	460	88	71.9	549	766
Mercury	0.001- 0.2	0.002	0.1		0.097	0.18	0.3	0.19	0.49	0.58
Nickel	0.5- 25	0.4	13 or SB		27.5	36	21.3	18.8	39.9	122
Potassium	8,500 - 43,000 **	50.0	SB		4530	11100	564	682	4750	5000
Selenium	0.1- 3.9	0.05	2 or SB		1.1 UJ	0.98 UJ	5 UJ	4.1 UJ	1 UJ	1.1 UJ
Silver	N/A	0.1	SB		0.21 U	0.76	0.99 U	0.83 U	1.9	3.2
Sodium	6,000 - 8,000	50.0	SB		143	380	333	201	211	500
Thallium	N/A	0.1	SB		1.6 UJ	2 UJ	5.9 U	5 U	1.2 U	1.3 U
Vanadium	1-300	0.5	150 or SB		34.2	53.3	43.6	35.3	38.2	47.4
Zinc	9-50	0.2	20 or SB		101 J	324 J	147 J	54.8 J	805 J	1400 J

Notes:

Eastern USA Background, CRDL, RSCO, and Results presented in mg/kg
CRDL = Contract Required Detection Limit
N/A - is not available
U - Analyzed for, but not detected
J - estimated value
UJ - Not detected at estimated value

R - Value rejected, data not useable
SB= Site Background
Shaded cells represent detections above Eastern USA Background range
** New York State background
*** As per TAGM #4046, background levels in metropolitan or suburban areas range from 200-500 ppm

TABLE 3-7
Summary of Soil Analytical Results - Target Analyte List (TAL) Metals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Eastern USA Background mg/kg	CRDL mg/kg	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	SB-3 11/21/00 0 - 0.5	SB-4 11/21/00 0 - 0.5	SB-5 11/21/00 0 - 0.5	SS-11ERM 11/21/00 0 - 0.5	SS-13ERM 11/21/00 0 - 0.5	SS-4ERM 11/21/00 0 - 0.5	SS-8ERM 11/21/00 0 - 0.5	DUP112000 SS-8ERM 11/21/00 0 - 0.5
Aluminum	33,000	2.0	SB		22100	12600	11600	20200	16800	17700	16400	18700
Antimony	N/A	0.6	SB		18.6 J	R	1.1 U	R	R	R	R	R
Arsenic	3-12 **	0.1	7.5 or SB		13.4 J	4.3 J	3	8.4 J	7 J	8.6 J	9.8 J	8.9 J
Barium	15-600	2.0	360 or SB		395	110	130	111	132	110	64.5	71.9
Beryllium	0-1.75	0.05	0.16 (HEAST) or SB		0.34	0.48	0.59	0.78	0.79	0.82	0.64	0.64
Cadmium	0.1-1	0.05	1 or SB		2.7 J	0.097 UJ	0.11 U	0.12 UJ	0.1 UJ	0.14 UJ	0.12 UJ	0.13 UJ
Calcium	130 - 35,000 **	50.0	SB		8640 J	4650 J	4600	783 J	1330 J	1560 J	619 J	860 J
Chromium	1.5 - 40 **	0.1	10 or SB		83.4	21.1	59.6	37.5	46.6	45.7	49.1	50.6
Cobalt	2.5 – 60 **	0.5	30 or SB		14.1	9.4	13.5	7.5	8.2	9	7.7	8.1
Copper	1-50	0.25	25 or SB		729 J	22.3 J	31.9	24 J	23 J	27.4 J	24.8 J	24.6 J
Iron	2,000 - 550,000	1.0	2,000 or SB		106000	19500	23100	22100	18700	19900	22700	23100
Lead	***	0.03	SB ****		1330 J	126 J	75.3 J	99.6 J	83 J	105 J	122 J	123 J
Magnesium	100 - 5,000	50.0	SB		4930	6100	10800	4770	6280	6370	4920	5270
Manganese	50 - 5,000	0.15	SB		1110	403	536	434	670	716	429	484
Mercury	0.001- 0.2	0.002	0.1		0.75	0.088	0.13	0.3	0.22	0.31	0.35	0.34
Nickel	0.5- 25	0.4	13 or SB		130	19.1	94.5	19.2	24	19.8	21.4	23.3
Potassium	8,500 - 43,000 **	50.0	SB		3380	4410	4350	1050	2100	1520	787	1030
Selenium	0.1- 3.9	0.05	2 or SB		1.3 UJ	0.97 UJ	1.1 U	1.5 J	1.3 J	1.4 UJ	1.3 J	1.6 J
Silver	N/A	0.1	SB		4.5	0.19 U	0.23 U	0.24 U	0.22	0.27 U	0.23 U	0.26 U
Sodium	6,000 - 8,000	50.0	SB		555	99.8	125	51.9	59.6	75.3	41.8	59.6
Thallium	N/A	0.1	SB		1.5 U	1.2 UJ	1.4 U	1.4 U	1.4 UJ	1.6 U	1.4 U	2 UJ
Vanadium	1-300	0.5	150 or SB		35.7	26	35.3	58.5	48.3	50.8	59.7	61.2
Zinc	9-50	0.2	20 or SB		1710 J	104 J	127 J	71.6 J	76.3 J	82.8 J	61.9 J	67.9 J

Notes:

Eastern USA Background, CRDL, RSCO, and Results presented in mg/kg
CRDL = Contract Required Detection Limit
N/A - is not available
U - Analyzed for, but not detected
J - estimated value
UJ - Not detected at estimated value

R - Value rejected, data not useable
SB= Site Background
Shaded cells represent detections above Eastern USA Background range
** New York State background
*** As per TAGM #4046, background levels in metropolitan or suburban areas range from 200-500 ppm

Section 4

Section 4

4.0 *EVALUATION OF SOIL AND SEDIMENT DATA*

This section evaluates the TAR-1 sample with respect to TCLP criteria and reviews the surface soil data from the additional investigation with respect to human health and ecological impacts.

4.1 *NORTHWESTERN SECTION*

Eight additional borings were installed in the northwestern section of the property in the vicinity of borings ERM-48 and Coneco-41 where the black tarry material had previously been observed. Two borings were located to the south, three to the north and three to the east of those original borings. Small amounts of the black tarry material were only observed in borings ERM-48A and ERM-48D, located approximately 10 feet and 35 feet, respectively, to the north of the original observations made by Coneco and ERM.

The April 2000 Final Site Investigation Site Assessment Report presented analyses of the black tarry material observed in these borings (ERM-48 and Coneco-41). It is essentially composed of PAHs with associated low concentrations of metals, both are characteristic of tar and asphalt. To assess whether this material was impacting the adjacent property or could impact groundwater, TCLP extraction and analyses were carried out to assess the potential for constituent migration.

Analytical results indicate that the leachable metals contained in the sample (TAR-1) were all below TCLP criteria. Because there are no TCLP criteria for PAHs, the concentrations of the PAHs in the TCLP extract were compared to TOGS 1.1.1 Ambient Water Criteria. All PAH concentrations were below appropriate criteria.

This conclusion is also supported by the data obtained during the June 1998 Site Investigation. During this investigation, TCLP analyses of soil samples containing PAHs were carried out. TCLP extracts did not exceed TAGM 4046 criteria, suggesting that any PAHs present in the soil at the Site would not affect groundwater or adjacent property. Finally, PAHs detected in the soil samples collected from borings installed along the property line were at concentrations below the method detection limit or at low concentrations.

The "black tarry material" appears to be limited to a small area, more than 4-feet below land surface in the northwestern section of the Site. The PAHs in this material are not mobile and have not impacted the adjacent property or groundwater. The leaching tests indicate that future impacts to these media will not occur. Because the "black tarry material" is located more than 4-feet below land surface, the potential for direct contact is low, with the exception of potential future excavation or Site construction.

4.2 *EVALUATION OF HUMAN HEALTH IMPACTS*

Table 4-1 presents a summary of all surface soil data and surface sediment data for samples collected from the ground surface to two inches bgs. Sediment data are included in this table because direct contact with sediments by trespassers could potentially occur. Table 4-1 compares the maximum detected concentration in the above samples to the TAGM 4046 RSCOs. Since the majority of the RSCOs for these chemicals refer to site background, this table also includes background concentrations for eastern USA soils as cited in TAGM 4046.

As shown in Table 4-1, the maximum detected concentrations of all but eight of the inorganics detected at the Site are within background

concentrations. For the remaining eight inorganics, the maximum detected concentration was compared to the USEPA Region III Risk-Based Concentration (RBC), a risk-based acceptable level based on residential soil use (ingestion of soil). As shown in Table 4-1, the maximum detected concentrations of seven of the eight inorganics that were detected above TAGM 4046 RSCOs (antimony, cadmium, copper, mercury, nickel, silver, and zinc) are below their USEPA Region III respective risk-based acceptable levels for residential soils.

The maximum detected concentration of arsenic in surface soils was 14.8 mg/kg, which is above the USEPA Region III RBC of 0.43 mg/kg for arsenic in residential soil. Although the concentration of arsenic in all the surface soil samples was above the RBC, it is still within the background range for eastern US soils of less than 0.1 mg/kg to 73 mg/kg as reported by Shacklette and Boerngen (1984). Therefore, this concentration is indistinguishable from naturally occurring arsenic in residential soil in this area.

The USEPA has not established a RBC for lead. However, USEPA recently (December 26, 2000) issued new standards for lead in soil. According to these standards, lead is considered a hazard if the average concentration in bare soil in residential yards (excluding bare soil in children's play areas) is greater than 1,200 mg/kg. Two sampling locations had lead concentrations in surface soils above the 1,200 mg/kg USEPA acceptable average concentration (SB-01 - 3880 mg/kg and SB-03 - 1330 mg/kg). However, the site-wide average concentration of lead in surface soil (640 mg/kg) is below the USEPA acceptable average level.

The Site is bordered on two sides by residential properties and does not have fencing. The potential for trespassers at the Site does exist, and evidence of trespassers has been observed at the Site (i.e., trash and beer

cans discarded in the area of the southern berm). However, since the media of concern is soil, there are no known off-site exposure points.

In summary, while there is the potential for exposure through direct contact with surface soil, the concentrations of residual metals generally are within background levels, or, if above background levels, are below the residential RBCs. Finally, the average concentration of lead in surface soil is below the USEPA acceptable average concentration for lead in bare soil in residential yards.

4.3 *EVALUATION OF ECOLOGICAL IMPACTS*

Table 4-2 presents a summary of the maximum inorganics concentrations in the two surface sediment samples collected at the Site. Table 4-2 compares the maximum detected concentration to the Lowest Effect Level (LEL) and Severe Effect Level (SEL) from NYSDEC's Technical Guidance for Screening Contaminated Sediments (March 1998). The maximum detected concentrations of the eight inorganics are above their respective LELs, but below the SELs. The SELs are not exceeded. The NYSDEC guidance document states that: "For metals, if Severe Effect Levels are exceeded in significant portions of the ecosystem of concern, biota are most likely impaired and to achieve restoration of the ecosystem would likely require remediation of metals present" (pg. 18). Because the SELs are not exceeded, impacts to biota are unlikely and active remediation is not required.

As reported in the Final Site Assessment Report (ERM April 2000), sediment samples were collected from the eastern buffer zone (seasonal wetland) and pond and were analyzed for VOCs, SVOCs, PCBs and pesticides. To evaluate potential impacts from SVOCs in the samples from the wetland area, ERM compared the PAH Sediment Criteria

derived from the NYSDEC Division of Fish, Wildlife and Marine Resources Guidance for Screening Contaminated Sediment (January 1999) with the highest observed concentration of benzo[a]pyrene (BaP). BaP was selected as an indicator because it is considered the most potent carcinogen of the PAHs detected at the site. Using the average organic carbon concentration determined from the ERMWETLAND-1 and ERMWETLAND-2 samples (301,000 mg/kg), the PAH sediment criteria (human health) can be calculated:

PAH Sediment Criteria = 1.3 ug/gram Organic Carbon x 301 g Organic Carbon/kg

= 391.3 ug/kg

The highest observed concentration of BaP was 310 ug/kg, a value below the derived sediment criteria. PAHs in the eastern buffer zone therefore do not present a potential for exposure.

All VOCs were below their respective sediment criteria. Pesticides were detected including 4,4'-DDE, 4,4'-DDD, 4,4-DDT, alpha-chlordane, gamma-chlordane. However, no on-Site (at 500 Mamaroneck Avenue) sources of pesticides have been identified. The semi-rural nature of the surrounding properties, including a farm and uses for DDT and chlordane that include mosquito, termite and turf pest control suggest that the 500 Mamaroneck Avenue property is not the source of these compounds. Aroclor-1242, Aroclor-1254, and Aroclor-1260 (PCBs) were detected above the human health bioaccumulation criteria in sediment at the Site. However, the pond at the Site is seasonal, i.e., dry in the summer, and cannot therefore be a source of fish that would potentially be consumed by humans. Therefore, these concentrations do not present a potential for exposure through ingestion. The concentration of the PCBs in the sediment sample were below the TAGM 4046 RSCO for surface soil and

PCBs therefore do not present a potential for exposure during periods when the wetland dries out.

Table 4-1
Evaluation of Human Health Impacts for Constituents Above Soil Background
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

Chemical	Maximum Detected Concentration(1) (mg/kg)	TAGM 4046 RSCO(2) (mg/kg)	Eastern USA Background from TAGM 4046(3) (mg/kg)	Risk-Based Acceptable Level for Residential Soil(7) (mg/kg)
Aluminum	22100	SB	33,000	
Antimony	18.6	SB	NA	31
Arsenic	14.8	7.5 or SB	3 - 12(4), <0.1 - 73(5)	
Barium	449	300 or SB	15 - 600	
Beryllium	0.99	0.16 or SB	0 - 1.75	
Cadmium	3.1	1 or SB	0.1 - 1	78
Calcium	9270	SB	130 - 35,000	
Chromium	194	10 or SB	1.5 - 40(4), 1 - 1,000(5)	
Cobalt	14.1	30 or SB	2.5 - 60(4)	
Copper	729	25 or SB	1 - 50	3100
Iron	106000	2,000 or SB	2,000 - 550,000	
Lead	3880	SB	4 - 500(6)	1200(8)
Magnesium	10800	SB	100 - 5,000, 50-50000(5)	
Manganese	1110	SB	50 - 5,000	
Mercury	0.75	0.1	0.001 - 0.2	7.8(9)
Nickel	130	13 or SB	0.5 - 25	1600
Potassium	5000	SB	8,500 - 43,000(4)	
Selenium	1.5	2 or SB	0.1- 3.9	
Silver	4.5	SB	N/A	390
Sodium	555	SB	6,000 - 8,000	
Vanadium	59.7	150 or SB	1 - 300	
Zinc	1710	20 or SB	9 - 50	23000

(1) Includes soil and wetland samples.
(2) TAGM 4046 Recommended Soil Cleanup Objective.
(3) Except as noted.
(4) Value listed is New York State background level as cited in TAGM 4046.
(5) Value listed is background range for eastern US soils from Shacklette and Boerngen, 1984.
(6) Average values in undeveloped, rural areas = 4 - 61 mg/kg.
Average values in metropolitan or suburban areas = 200 - 500 mg/kg.
(7) From USEPA Region III Risk-Based Concentration (RBC) table dated 10/5/2000.
Value is provided for those chemicals detected at concentrations in excess of background.
(8) According to USEPA standards, lead is considered a hazard if the average concentration in bare soil in residential yards (excluding bare soil in children's play areas) is greater than 1200 mg/kg (USEPA, 2000).
The average concentration of lead in all samples at the site is 640 mg/kg.
(9) RBC for methylmercury.

Note:
SB = Site Background

Table 4-2
Evaluation of Ecolgical Impacts: Sediment Results
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Maximum Detected Concentration (mg/kg)	Sediment Criteria[1] LEL (mg/kg)	SEL (mg/kg)
Aluminum	10200		
Arsenic	11	6	33
Barium	392		
Beryllium	0.99		
Cadmium	0.65	0.6	9
Calcium	8420		
Chromium	26.7	26	110
Cobalt	4.4		
Copper	29.4	16	110
Iron	9000	20,000	40,000
Lead	96.8	31	110
Magnesium	3550		
Manganese	88	460	1100
Mercury	0.3	0.15	1.3
Nickel	21.3	16	50
Potassium	682		
Sodium	333		
Vanadium	43.6		
Zinc	**147**	120	270

Notes:
LEL: Lowest Effect Level
SEL: Severe Effect Level
Bold characters and shaded cells represent detection above the LEL

1. *LEL and SEL values are from "Technical Guidance for Screening Contaminated Sediments" January 1999 New York State Department of Environmetnal Conservation Division of Fish, Wildlife and Marine Resources.*

Section 5

5.0 *CONCLUSIONS*

The Supplemental Investigation carried out in November 2000 was designed to address issues raised in the July 13, 2000 comment letter from the NYSDEC. Specifically, samples were to be collected to:

- Define potential impacts to off-Site properties posed by the black "tarry material" detected by ERM and Coneco Environmental Corporation in the northwestern section of the property, and
- Define metals concentrations in the eastern buffer zone and southern berm, to evaluate potential risks posed by these constituents.

5.1 *NORTHWESTERN SECTION*

The northwestern section investigation results were discussed in Section 3.0 and 4.0. SVOCs (PAHs) were detected above TAGM 4046 RSCOs in five of eight samples. PCBs were detected below their TAGM 4046 RSCOs. TCLP results for the TAR-1 sample collected from this area were below TCLP criteria for metals, and the PAH concentrations in the TCLP extracts were below TOGS 1.1.1 ambient water quality standards and guidance values. All of the samples from the northwestern section were collected from between 4 and 8 feet bgs.

5.2 *BUFFER ZONE AND SOUTHERN BERM*

The buffer zone investigation results were discussed in Section 3.0 and Section 4.0. Based on the data collected during the supplemental investigation, with the exception of lead, the concentrations of residual metals are generally within background levels or are below the residential RBCs. The lead concentration in two surface soil samples was above background concentrations; however, concentrations were below the

USEPA acceptable average concentration of lead in bare soil in residential yards.

5.3 *VOLUNTARY CLEANUP PLAN CONSIDERATIONS AND RECOMMENDATIONS*

As indicated in the April 2000 Final Site Investigation Site Assessment Report, the Volunteer (500 Mamaroneck Avenue Associates (MAA)) and the current owner have defined the nature and extent of the contamination at the Site.

The NYSDEC required this supplemental study to provide data to refine the potential risks posed by conditions at the site. Residual lead and PAHs present in the southern berm present a potential for direct contact exposure to trespassers and workers at the Site. In addition, PAHs in the northwestern section present limited potential for direct contact if excavation were to occur in this area.

Based on these findings, ERM will prepare a separate Remedial Action Work Plan (RAWP) on behalf of MMA for submittal and review by the NYSDEC. The RAWP will describe the proposed measures that will be implemented to control/minimize the potential for direct contact exposures in the future. The RAWP will include a long-term maintenance plan that identifies requirements for any future excavation at the Site, , and an annual certification that the engineering controls are still in place and effective.

Further, a deed restriction will be enacted that will limit use of the property to the uses identified under the VCA, and require notification to NYSDEC if the Site is to be developed for other uses.

The remedial measures in the VCP will, at a minimum, make the Site protective for human health and the environment under the uses described in the deed restriction. These remedial measures will be detailed in the RAWP.

Section 6

Section 6

6.0 *REFERENCES*

Environmental Resources Management. Final Investigation Site Assessment Report, 500 Mamaroneck Avenue, Harrison, New York, Volumes I and II. April 2000.

Environmental Resources Management. Site Assessment Report, 500 Mamaroneck Avenue, Harrison, New York. June 1998.

NYSDEC. Division of Fish, Wildlife and Marine Resources "Technical Guidance for Screening Contaminated Sediments. January 1999.

NYSDEC. Technical and Administrative Memorandum 4046 Determination of Soil Clean-Up Objectives and Clean-Up Levels. January 1994.

NYSDEC. Ambient Water Quality Standards and Evidence Values and Groundwater Effluent Limitations. June 1998.

Shacklette, H.T. and J.G. Boerngen, 1984. Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States. USGS Professional Paper 1270.

40 CFR Part 261.3 – Toxicity Characteristic

Appendix

Appendix

APPENDIX A

Data Usability Summary Report
Soil Sample Analyses

DATA USABILITY SUMMARY REPORT (DUSR)
500 MAMARONECK ASSOCIATES
500 MAMARONECK AVENUE, MAMARONECK, NEW YORK
SOIL SAMPLE ANALYSIS
ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)
PROJECT NUMBER X8101.00.01
SEVERN TRENT LABORATORIES, SHELTON, CONNECTICUT
SAMPLE DELIVERY GROUP (SDG)
NUMBERS 7000-2686A and 7000-2686B

Deliverables:

The above referenced data summary packages and sample data packages for twenty (20) soil samples, two (2) blind field duplicates, and one (1) set of matrix spike/matrix spike duplicate (MS/MSD) samples contains all required deliverables as stipulated under the 1995 New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) for Category B deliverables. The sample specific analysis performed included Target Compound List (TCL) semivolatile organic compounds (SVOC), analyzed by ASP Method 95-2 and Target Analyte List (TAL) metals analyzed by NYSDEC ASP CLP Methods for Inorganics, Exhibit D Part V (10/95). The sample specific analysis performed also included polychlorinated biphenyl compounds (PCBs) analyzed by United States Environmental Protection Agency (USEPA) SW-846 Method 8082 and total organic carbon (TOC) by USEPA Methods 9060 following *"Test Methods for Evaluation Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*. Sample (TAR-1) was analyzed by Toxicity Characteristic Leaching Procedure (TCLP) USEPA Method 1311 for Polynuclear Aromatic Hydrocarbon (PAH) analysis by a USEPA Method 8270C and Resource Conservation and Recovery Act (RCRA) metals analysis by inductively coupled plasma atomic emission spectroscopy (ICP) USEPA Method 6010B, with mercury by cold vapor atomic absorption (AA), Method 7470A. The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical methods, the ASP, the USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic (Inorganic) Data Review (February 1994), the USEPA Region II CLP Data Review Standard Operating Procedure (SOP), and the reviewer's professional judgment.

This report pertains to the following samples. Note that all samples are contained in SDG 7000-2686A, except for TAR-1 and SB-5 which are contained in SDG 7000-2686B.

Samples

SS-13ERM	SB-2	ERM31B (6'-8')
SS-11ERM	SB-3	ERM31A (7'-8')
ERMWETLAND-1	SB-4	ERM31C (7'-8')
ERMWETLAND-2	ERM48A (7'-8')	ERM48E (5'-6')
SS-8ERM	ERM48B (7'-8')	TAR-1
SS-4ERM	ERM48C (6'-7')	SB-5
SB-1	ERM48D (4'-5')	

QC Samples

DUP112000 (field duplicate of SS-8ERM)
DUP112100 (field duplicate of ERM31B (6'-8'))
ERM48E (5'-6') MS/MSD
Batch QC (TCLP Metals for TAR-1)

- The following table includes samples the laboratory logged into their system incorrectly. The sample IDs have been edited in this report and in the hard copy by the reviewer to reflect the correct sample identifications as they appeared on the chain of custodies (COC).

Incorrect Sample Identification	Correct Sample Identification as per the COC
ERM31CA (7'-8')	ERM31C (7'-8')
ERM48B (6'-8')	ERM31B (6'-8')
TAG-1	TAR-1

Organics

The following items/criteria were reviewed:

- Case narrative and deliverable compliance
- Holding times (both technical and procedural) and sample preservation (including pH and temperature)
- Surrogate compound recoveries and summaries
- MS/MSD results, recoveries and summaries
- Matrix and method spike blank recoveries and summaries
- Method blank summary
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning and performance
- Initial and continuing calibration summaries

- Internal standard areas, retention times and summaries
- Field duplicate results
- Organic analysis data sheets (Form I)
- GC/MS chromatograms mass spectra and quantitation reports
- Quantitation/detection limits
- Qualitative and quantitative compound identification

The items listed above have been judged to be in compliance with the analytical methods and with the ASP criteria with the exceptions discussed in the text below. The data have evaluated according to the procedures outlined above and qualified accordingly.

Semivolatiles

- Surrogate percent recoveries (%R) for samples ERM48A (7'-8') and ERM48D (4'-5') were diluted out. This has been indicated by the laboratory with a "D" on the surrogate recovery summary form (Form 2D). No qualification of sample data is required when surrogates are diluted out.

- The %R for hexachloroethane (35%; QC limit 40-113%) and 2,4-dimethylphenol (63%; QC limit 64-238%) were below QC limits for the method spike, SBLKFS. Results for hexachloroethane and 2,4-dimethylphenol in all samples are considered estimated, with positive results flagged "J" and non-detects flagged "UJ".

- The %R for pentachlorophenol was below QC limits for the MS/MSD analysis of sample ERM48E (5'-6') (14% and 12% respectively; QC limits 17-109%). The %R for pyrene was above QC limits (35-142%) in the MS analysis (574%) of sample ERM48E (5'-6') and below in the MSD analysis (5%). This can be attributed to the elevated concentration of pyrene in the unspiked portion of the sample. The relative percent difference (%RPD) for acenaphthene (47%; QC limit 19%) and pyrene (200%; QC limit 36%) were above QC limits. Qualification of data is not performed based on MS/MSD results alone. A positive result for these compounds in the unspiked sample only are considered estimated with positive detects flagged "J" and non-detects flagged "UJ".

- The following table lists samples that were analyzed at dilutions due to the presence of high levels of target compounds. The

laboratory has reported only this analysis. No qualification of sample data is required.

Sample	Dilution Factor
ERM48A (7'-8')	50x
ERM48C (6'-7')	4x
ERM48D (4'-5')	200x
ERM48E (5'-6')	4x

- The following table lists compounds that exceeded 25 percent difference (%D) between the initial calibration (ICAL) average response factor and the continuing calibration (CCV) response factor. Associated samples are listed. Positive results for these compounds in the associated samples are considered estimated and flagged "J". Non-detect results for the compounds of interest in the associated samples are also estimated and flagged "UJ".

Calibration	Compound	Deficiency	Associated Samples
CCV 12/13/00 @10:25	4-nitrophenol 4-nitroaniline	%D=44.6 %D=37.6	ERM48A (7'-8'), ERM48B (7'-8')
CCV 12/14/00 @10:33	4-nitrophenol 4-nitroaninle	%D=35.8 %D=25.4	ERM48C (6'-7'), ERM31C (7'-8'), ERM31A (7'-8'), DUP112100, ERM31B (6'-8')
CCV 12/15/00 @11:13	4-nitrophenol 4-nitroaninle	%D=38.5 %D=27.3	ERM48D (4'-5'), ERM48E (5'-6')

- The following table lists blanks, blank contaminants with concentrations, and the associated samples. Common laboratory phthalate contaminants (bis(2-ethylhexyl)phthalate, etc.) are negated in a sample if the sample concentration is less than or equal to ten times the highest associated blank concentration. For all other compounds, an action level of five times the highest associated blank concentration is used. Concentrations of TICs in samples less than five times the associated blank concentration will be negated as laboratory contamination and flagged "R".

Blank	Contaminant	Concentration (Action Level)	Associated Samples
SBLKFS	bis(2-ethylhexyl)phthalate TIC @ 10.08	280J (2800 μg/kg) 160J (800 μg/kg)	All samples

- The following table lists samples and field duplicate pairs containing positively identified target compounds with concentrations differing by more than the 50%D QC criteria indicating poor precision. As a result, the concentrations of the listed compounds in each sample are considered estimated and flagged "J". Compounds that have been negated due to blank contamination have not been included.

Sample/Field Duplicate	Compound
ERM31B (6'-8') / DUP112100	naphthalene, 2-methylnaphthalene, acenaphthalene, acenaphthene, dibenzofuran, diethylphthalate

Polychlorinated Biphenyls (PCBs)

- The %R for surrogate decachlorobiphenyl (DCB) was above QC limits (39-171%) for samples ERM48B (7'-8') (172%) and ERM48A (7'-8') (202%). When DCB is outside QC limits, PCB Aroclors are qualified. A high %R indicates a potential high bias in the sample results. Positive results only are qualified as estimated and flagged "J" for a high surrogate %R while non-detects do not require qualification.

- Sample ERM48D (4'-5') was analyzed at a two fold (2x) dilution due to the presence of high levels of target compounds. The laboratory has reported only this analysis. No qualification of sample data is required.

- The following table lists samples, detected analytes, and the calculated concentration percent difference (%D) between the DB-1701 and the RTX-35 columns greater than the 25% QC limit. These positive values are considered estimated and flagged "J".

Sample	Analytes	%D between DB-1701 and RTX-35 columns
ERM48A (7'-8')	PCB-1232	51.7%
ERM48B (7'-8')	PCB-1260	40.0%
ERM48C (6'-7')	PCB-1232	50.0%
ERM48D (4'-5')	PCB-1254 PCB-1260	73.9% 90.9%
ERM31A (7'-8')	PCB-1232 PCB-1254	64.3% 47.8%
ERM31C (7'-8')	PCB-1254	63.6%

- The percent difference (%D) for Aroclor-1260 was above QC limits in the closing calibration standards on both columns for all samples (17% and 21% respectively for the DB-1701 column; QC limit 15%,). All sample results for this compound are therefore considered estimated with positive results flagged "J" and non-detects flagged "UJ".

TCLP Polynuclear Aromatic Hydrocarbons (TCLP PAHs)

- Due to a limited sample volume, sample TAR-1 was prepared at a reduced volume. No qualification of sample data is required.

- The following table lists compounds that exceeded 25 percent difference (%D) between the initial calibration (ICAL) average response factor and the continuing calibration (CCV) response factor. Associated samples are listed. Positive results for these compounds in the associated samples are considered estimated and flagged "J". All non-detect results for the compound of interest in the associated samples are also estimated and are flagged "UJ".

Calibration	Compound	Deficiency	Associated Samples
CCV	indeno(1,2,3-cd)pyrene	%D=31.1	TAR-1
12/14/00	dibenz(a,h)anthracene	%D=28.1	
@12:19	benzo(g,h,i)perylene	%D=36.0	

Inorganics

The following items/criteria were reviewed:

- Case narrative and deliverable requirements
- Holding times and sample preservation
- Detection limits
- Inorganic analysis data sheets (Form I)
- Initial and continuing calibration verifications
- Contract Required Detection Limit (CRDL) standard analysis
- Lab blank data
- ICP interference check sample (ICS) analysis
- Matrix spike analysis
- Matrix spike duplicate analysis
- Laboratory control sample (LCS) results
- ICP serial dilution analysis

The items listed above have been judged to be in compliance with the analytical methods and with the ASP criteria with the exceptions discussed in the text below. The data have evaluated according to the procedures outlined above and qualified accordingly.

Metals

- The percent recovery (%R) for selenium was above QC limits in the continuing calibration verification (CCV) analyzed on 28 December 2000 at 12:12 (111.1%; QC limit of 90-110%). A positive result for selenium in the samples applicable to this CCV are possibly biased high and have been qualified as estimated and flagged "J" while non-detects do not require qualification.

- CRDL standard recoveries were outside of the 80% - 120% USEPA Region II QC limits for thallium (136.9%) in SDG 7000-2686A. Recoveries greater than 120% may indicate a potential high bias in positive sample results at concentrations near the CRDL. Positive concentrations for the affected metals in SDG 7000-2686A should be considered estimated and flagged "J" at concentration less than or equal to two times that metal's CRDL, while non-detects do not require qualification. Positive detects that have been negated due to blank contamination are also considered estimated and flagged "UJ".

- CRDL standard recoveries were outside of the 80% - 120% USEPA Region II QC limits for zinc (131.8%) and lead (147.8%) in SDG 7000-2686B applicable to sample SB-5. Recoveries greater than 120% may indicate a potential high bias in positive sample results at concentrations near the CRDL. Positive concentrations for zinc and lead in sample SB-5 are considered estimated and flagged "J".

- The spike sample %R for antimony (18.1%) arsenic (57.9%), cadmium (33.2%), copper (12.2%), selenium (67.9%), and zinc (56.9%) were below the QC limit of 75-125% for sample ERM48E (5'-6') indicating a potential low bias for these compounds for the sample results in SDG 7000-2686A. For a %R between 30-74%, results greater than the instrument detection limit (IDL) are considered estimated and flagged "J" and non-detects flagged "UJ". For a %R less than 30%, results

greater than the IDL are considered estimated and flagged "J" and non-detects are rejected and flagged "R".

- The laboratory duplicate analyzed on sample ERM48E (5'-6') in SDG 7000-2686A exhibited an relative percent difference (RPD) greater than the specified 35% QC limit for metals whose concentration in both the sample and duplicate were greater than five times the CRDL or exhibited an absolute difference (a.d.) greater than two times (2x) the CRDL for metals whose concentration in the sample and/or duplicate were less than five times the CRDL for the following analytes: calcium (59.3%) and lead (75.6%). Results are considered estimated and flagged with a "J" for positive detects and "UJ" for non-detects.

- The following table lists the maximum concentration of an analyte detected in a blank, the action level and the samples associated with that blank. Note that the action level is five times the **absolute value** of the highest associated blank concentration. Also note that only blanks that affect sample results have been included. Sample concentrations greater than the IDL and less than the action level are reported with a U. Sample concentrations greater than the IDL and greater than the action level are reported unqualified.

Blank	Metal	Concentration	Action Level (mg/kg)	Associated Samples
ICB	arsenic	0.78	3.9	All samples in SDG 2686A
PB	thallium	1.808	9.04	All samples in SDG 2686A

Note: ICB = initial calibration blank
PB = preparation blank

- The following table lists samples and field duplicate pairs containing positively identified target compounds with concentrations differing by more than the 100%D QC criteria indicating poor precision. As a result, the concentrations of the listed compounds in each sample are considered estimated and flagged "J". Compounds that have been negated due to blank contamination have not been included.

Sample/Field Duplicate	Compound
ERM31B (6'-8') / DUP112100	arsenic, calcium, cobalt, copper, iron, lead, manganese, nickel, sodium, zinc

TCLP Metals

- The spike sample %R for cadmium (69.2%) was below the QC limit of 75-125% for the batch QC applicable to sample TAR-1 indicating a potential low bias. For a %R between 30-74%, results greater than the instrument detection limit (IDL) are considered estimated and flagged "J" and non-detects flagged "UJ".

Total Organic Carbon (TOC)

- No qualification of the sample data is required.

Package Summary:

All data are valid and usable with qualifications as noted in this review.

Signed: Jessica Rizzuto — Dated: 30 January 2001
Jessica Rizzuto
Project Geologist

Signed: Dated: 29 January 2001
Andrew J. Coenen
Project Scientist

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >S1996

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	19000	U
111-44-4	bis(2-Chloroethyl)ether	19000	U
95-57-8	2-Chlorophenol	19000	U
541-73-1	1,3-Dichlorobenzene	19000	U
106-46-7	1,4-Dichlorobenzene	19000	U
95-50-1	1,2-Dichlorobenzene	19000	U
95-48-7	2-Methylphenol	19000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	19000	U
106-44-5	4-Methylphenol	19000	U
621-64-7	N-Nitroso-di-n-propylamine	19000	U
67-72-1	Hexachloroethane	19000	UJ
98-95-3	Nitrobenzene	19000	U
78-59-1	Isophorone	19000	U
88-75-5	2-Nitrophenol	19000	U
105-67-9	2,4-Dimethylphenol	19000	UJ
111-91-1	bis(2-Chloroethoxy)methane	19000	U
120-83-2	2,4-Dichlorophenol	19000	U
120-82-1	1,2,4-Trichlorobenzene	19000	U
91-20-3	Naphthalene	36000	
106-47-8	4-Chloroaniline	19000	U
87-68-3	Hexachlorobutadiene	19000	U
59-50-7	4-Chloro-3-methylphenol	19000	U
91-57-6	2-Methylnaphthalene	18000	J
77-47-4	Hexachlorocyclopentadiene	19000	U
88-06-2	2,4,6-Trichlorophenol	19000	U
95-95-4	2,4,5-Trichlorophenol	48000	U
91-58-7	2-Chloronaphthalene	19000	U
88-74-4	2-Nitroaniline	48000	U
131-11-3	Dimethylphthalate	19000	U
208-96-8	Acenaphthylene	2800	J
606-20-2	2,6-Dinitrotoluene	19000	U
99-09-2	3-Nitroaniline	48000	U
83-32-9	Acenaphthene	24000	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >S1996

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	48000	U
100-02-7	4-Nitrophenol	48000	UJ
132-64-9	Dibenzofuran	27000	
121-14-2	2,4-Dinitrotoluene	19000	U
84-66-2	Diethylphthalate	19000	U
7005-72-3	4-Chlorophenyl-phenylether	19000	U
86-73-7	Fluorene	38000	
100-01-6	4-Nitroaniline	48000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	48000	U
86-30-6	N-Nitrosodiphenylamine (1)	19000	U
101-55-3	4-Bromophenyl-phenylether	19000	U
118-74-1	Hexachlorobenzene	19000	U
87-86-5	Pentachlorophenol	48000	U
85-01-8	Phenanthrene	140000	
120-12-7	Anthracene	40000	
86-74-8	Carbazole	23000	
84-74-2	Di-n-butylphthalate	19000	U
206-44-0	Fluoranthene	120000	
129-00-0	Pyrene	150000	
85-68-7	Butylbenzylphthalate	19000	U
91-94-1	3,3'-Dichlorobenzidine	19000	U
56-55-3	Benzo(a)anthracene	58000	
218-01-9	Chrysene	59000	
117-81-7	bis(2-Ethylhexyl)phthalate	19000	U
117-84-0	Di-n-octylphthalate	19000	U
205-99-2	Benzo(b)fluoranthene	38000	
207-08-9	Benzo(k)fluoranthene	36000	
50-32-8	Benzo(a)pyrene	52000	
193-39-5	Indeno(1,2,3-cd)pyrene	61000	
53-70-3	Dibenz(a,h)anthracene	17000	J
191-24-2	Benzo(g,h,i)perylene	72000	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >S1996

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	36.06	150000	J
02.	UNKNOWN C15H9N ISOMER	23.95	48000	J
03.	UNKNOWN C17H12 PAH	24.06	45000	J
04.	UNKNOWN C20H12 PAH	29.30	31000	J
05.	UNKNOWN C17H12 PAH	24.31	30000	J
06.	UNKNOWN C15H10 PAH	21.92	30000	J
07.	UNKNOWN C16H10O ISOMER	23.85	24000	J
08.	UNKNOWN C17H12 PAH	24.43	22000	J
09.	UNKNOWN C22H12 PAH	35.15	21000	J
10.	UNKNOWN C20H12 PAH	29.69	15000	J
11.	UNKNOWN C14H9N ISOMER	24.14	15000	J
12.	UNKNOWN C18H10 PAH	25.72	12000	J
13.132-65-0	DIBENZOTHIOPHENE	20.38	11000	JN
14.	UNKNOWN	26.36	11000	J
15.90-12-0	NAPHTHALENE, 1-METHYL-	15.40	11000	JN
16.	UNKNOWN C15H12 PAH	21.70	11000	J
17.	UNKNOWN C22H14 PAH	33.79	10000	J
18.	UNKNOWN C16H11N ISOMER	26.60	9300	J
19.	UNKNOWN C15H9N ISOMER	24.20	9100	J
20.	UNKNOWN C22H14 PAH	33.98	9100	J
21.	UNKNOWN C17H12 PAH	24.52	8900	J
22.	UNKNOWN C20H12 PAH	28.81	8800	J
23.	UNKNOWN C16H10S ISOMER	25.59	8600	J
24.	UNKNOWN C16H12 ISOMER	22.24	8600	J
25.	UNKNOWN C15H12 PAH	21.64	8500	J
26.	UNKNOWN C18H12 ISOMER	25.67	6500	J
27.	UNKNOWN C19H14 PAH	26.92	6300	J
28.	UNKNOWN C13H10O ISOMER	19.10	6100	J
29.	UNKNOWN C22H12 PAH	32.97	6100	J
30.	UNKNOWN	25.01	5800	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S1997

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	22	J
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	UJ
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	UJ
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	660	
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	330	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	58	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	480	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S1997

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U J
132-64-9	Dibenzofuran	490	
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	700	
100-01-6	4-Nitroaniline	970	U J
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	790	
86-74-8	Carbazole	500	
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	3000	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	380 ~~160~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	790	
207-08-9	Benzo(k)fluoranthene	730	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenz(a,h)anthracene	340	J
191-24-2	Benzo(g,h,i)perylene	1400	

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ERM48B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S1997

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs Found: 28 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.31	630	J
02.	UNKNOWN C15H10 ISOMER	21.91	590	J
03.	UNKNOWN C17H12 PAH	24.31	560	J
04.	UNKNOWN	31.74	550	J
05.	UNKNOWN C17H12 PAH	24.44	540	J
06.	UNKNOWN C20H12 PAH	29.70	390	J
07.	UNKNOWN C16H11N ISOMER	26.59	380	J
08.	UNKNOWN C18H10 PAH	25.73	350	J
09.	UNKNOWN C22H12 PAH	35.16	320	J
10.	UNKNOWN C18H12 PAH	26.36	310	J
11.	UNKNOWN C22H14 PAH	33.80	300	J
12.	UNKNOWN C19H14 PAH	26.93	270	J
13.	UNKNOWN C16H10S ISOMER	25.60	260	J
14.	UNKNOWN ACID	21.59	250	J
15.	UNKNOWN C18H12 PAH	25.66	250	J
16.	UNKNOWN C17H12 PAH	24.07	250	J
17.	UNKNOWN C17H12 PAH	24.53	240	J
18.	UNKNOWN C15H9N ISOMER	23.97	230	J
19.132-65-0	DIBENZOTHIOPHENE	20.39	200	JN
~~20.~~	~~UNKNOWN~~	~~10.08~~	~~200~~	~~JB~~
21.	UNKNOWN C15H12 PAH	21.71	200	J
22.90-12-0	NAPHTHALENE, 1-METHYL-	15.41	190	JN
23.	UNKNOWN C15H12 PAH	21.65	180	J
24.	UNKNOWN C20H212 PAH	28.82	180	J
25.	UNKNOWN	20.86	180	J
26.	UNKNOWN	23.49	170	J
27.	UNKNOWN	24.93	170	J
28.	UNKNOWN C16H10O ISOMER	23.73	160	J
29.				
30.				

R

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2001

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	UJ
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	UJ
111-91-1	bis(2-Chloroethoxy)methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	230	J
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	130	J
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3800	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3800	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	41	J
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3800	U
83-32-9	Acenaphthene	640	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2001

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	UJ
132-64-9	Dibenzofuran	470	J
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	790	J
100-01-6	4-Nitroaniline	3800	UJ
534-52-1	4,6-Dinitro-2-methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	5700	
120-12-7	Anthracene	1700	
86-74-8	Carbazole	840	J
84-74-2	Di-n-butylphthalate	1500	U
206-44-0	Fluoranthene	5800	
129-00-0	Pyrene	6900	
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	3400	
218-01-9	Chrysene	3500	
117-81-7	bis(2-Ethylhexyl)phthalate	1500 ~~260~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	1500	U
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	2400	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	3200	
53-70-3	Dibenz(a,h)anthracene	1200	J
191-24-2	Benzo(g,h,i)perylene	4100	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2001

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.30	2200	J
02.	UNKNOWN C17H12 PAH	24.30	1300	J
03.	UNKNOWN C15H10 PAH	21.92	1100	J
04.	UNKNOW C17H12 PAH	24.43	920	JN
05.	UNKNOWN C20H12 PAH	29.69	910	J
06.	UNKNOWN C19H14 PAH	26.93	800	J
07.	UNKNOWN C18H10 PAH	25.73	800	J
08.	UNKNOWN C18H12 PAH	26.36	800	J
09.	UNKNOWN C16H11N ISOMER	26.59	780	J
10.	UNKNOWN C16H10S ISOMER	25.60	680	J
11.	UNKNOWN C17H12 PAH	24.07	580	J
12.	UNKNOWN C20H12 PAH	28.82	540	J
13.	UNKNOWN C18H12 PAH	25.66	530	J
14.	UNKNOWN C17H12 PAH	24.53	520	J
15.	UNKNOWN C17H10O ISOMER	25.80	520	J
16.	UNKNOWN C22H12 PAH	35.13	510	J
17.	UNKNOWN C22H14 PAH	33.79	510	J
18.	UNKNOWN C20H12O ISOMER	29.04	510	J
19.	UNKNOWN C15H9N ISOMER	23.96	510	J
20.	UNKNOWN C16H11N ISOMER	26.48	500	J
21.	UNKNOWN C15H12 PAH	21.71	490	J
22.	UNKNOWN C17H10O ISOMER	25.38	450	J
23.	UNKNOWN C19H14 ISOMER	27.02	400	J
24.	UNKNOWN	27.26	400	J
25.	UNKNOWN C15H12 PAH	21.65	390	J
26.	UNKNOWN	24.15	370	J
27.	UNKNOWN	27.19	370	J
28.	UNKNOWN	29.18	370	J
29.	UNKNOWN	23.44	330	J
30.	UNKNOWN	27.32	320	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48D(4'-5')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S2022

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	73000	U
111-44-4	bis(2-Chloroethyl)ether	73000	U
95-57-8	2-Chlorophenol	73000	U
541-73-1	1,3-Dichlorobenzene	73000	U
106-46-7	1,4-Dichlorobenzene	73000	U
95-50-1	1,2-Dichlorobenzene	73000	U
95-48-7	2-Methylphenol	73000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	73000	U
106-44-5	4-Methylphenol	73000	U
621-64-7	N-Nitroso-di-n-propylamine	73000	U
67-72-1	Hexachloroethane	73000	UJ
98-95-3	Nitrobenzene	73000	U
78-59-1	Isophorone	73000	U
88-75-5	2-Nitrophenol	73000	U
105-67-9	2,4-Dimethylphenol	73000	UJ
111-91-1	bis(2-Chloroethoxy)methane	73000	U
120-83-2	2,4-Dichlorophenol	73000	U
120-82-1	1,2,4-Trichlorobenzene	73000	U
91-20-3	Naphthalene	88000	
106-47-8	4-Chloroaniline	73000	U
87-68-3	Hexachlorobutadiene	73000	U
59-50-7	4-Chloro-3-methylphenol	73000	U
91-57-6	2-Methylnaphthalene	40000	J
77-47-4	Hexachlorocyclopentadiene	73000	U
88-06-2	2,4,6-Trichlorophenol	73000	U
95-95-4	2,4,5-Trichlorophenol	180000	U
91-58-7	2-Chloronaphthalene	73000	U
88-74-4	2-Nitroaniline	180000	U
131-11-3	Dimethylphthalate	73000	U
208-96-8	Acenaphthylene	5000	J
606-20-2	2,6-Dinitrotoluene	73000	U
99-09-2	3-Nitroaniline	180000	U
83-32-9	Acenaphthene	54000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48D(4'-5')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S2022

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	180000	U
100-02-7	4-Nitrophenol	180000	UJ
132-64-9	Dibenzofuran	57000	J
121-14-2	2,4-Dinitrotoluene	73000	U
84-66-2	Diethylphthalate	73000	U
7005-72-3	4-Chlorophenyl-phenylether	73000	U
86-73-7	Fluorene	82000	
100-01-6	4-Nitroaniline	180000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	180000	U
86-30-6	N-Nitrosodiphenylamine (1)	73000	U
101-55-3	4-Bromophenyl-phenylether	73000	U
118-74-1	Hexachlorobenzene	73000	U
87-86-5	Pentachlorophenol	180000	U
85-01-8	Phenanthrene	340000	
120-12-7	Anthracene	90000	
86-74-8	Carbazole	57000	J
84-74-2	Di-n-butylphthalate	73000	U
206-44-0	Fluoranthene	320000	
129-00-0	Pyrene	280000	
85-68-7	Butylbenzylphthalate	73000	U
91-94-1	3,3'-Dichlorobenzidine	73000	U
56-55-3	Benzo(a)anthracene	120000	
218-01-9	Chrysene	130000	
117-81-7	bis(2-Ethylhexyl)phthalate	73000	U
117-84-0	Di-n-octylphthalate	73000	U
205-99-2	Benzo(b)fluoranthene	100000	
207-08-9	Benzo(k)fluoranthene	91000	
50-32-8	Benzo(a)pyrene	120000	
193-39-5	Indeno(1,2,3-cd)pyrene	80000	
53-70-3	Dibenz(a,h)anthracene	23000	J
191-24-2	Benzo(g,h,i)perylene	98000	

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ERM48D(4'-5')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S2022

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs Found: 20 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.20	82000	J
02.	UNKNOWN C15H10 ISOMER	21.85	58000	J
03.	UNKNOWN C17H12 PAH	24.24	49000	J
04.	UNKNOWN C17H12 PAH	24.36	43000	J
05.	UNKNOWN C22H12 PAH	34.93	36000	J
06.	UNKNOWN C20H12 PAH	29.58	36000	J
07.	UNKNOWN	25.66	25000	J
08.90-12-0	NAPHTHALENE, 1-METHYL-	15.36	23000	JN
09.	UNKNOWN	26.29	23000	J
10.	UNKNOWN C20H12 PAH	28.72	23000	J
11.	UNKNOWN C16H11N ISOMER	26.53	20000	J
12.	UNKNOWN C15H12 PAH	21.64	20000	J
13.132-65-0	DIBENZOTHIOPHENE	20.32	19000	JN
14.	UNKNOWN C15H9N ISOMER	23.89	17000	J
15.	UNKNOWN C16H10O ISOMER	23.99	17000	J
16.	UNKNOWN C17H12 PAH	24.46	16000	J
17.	UNKNOWN C16H10O ISOMER	23.78	15000	J
18.	UNKNOWN C18H12 ISOMER	25.60	15000	J
19.	UNKNOWN C15H12 PAH	21.58	15000	J
20.	UNKNOWN C16H10S ISOMER	25.54	15000	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM~~48~~31B(6'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2007

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	UJ
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	UJ
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	25	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	40	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	UJ
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	12	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM~~48~~31B(6'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2007

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	UJ
132-64-9	Dibenzofuran	16	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	16	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	21	J
100-01-6	4-Nitroaniline	1000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	23	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	21	J
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	54	J
218-01-9	Chrysene	82	J
117-81-7	bis(2-Ethylhexyl)phthalate	1900	~~B~~ U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	40	J
207-08-9	Benzo(k)fluoranthene	35	J
50-32-8	Benzo(a)pyrene	42	J
193-39-5	Indeno(1,2,3-cd)pyrene	41	J
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	79	J

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ERM~~48~~31B(6'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2007

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs Found: 28 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN ACID	21.63	1800	J
02.	UNKNOWN	36.31	600	J
03.	UNKNOWN ACID	23.21	570	J
04.	UNKNOWN	23.08	560	J
05.	UNKNOWN	17.21	370	J
06.	UNKNOWN	32.35	370	J
07.	UNKNOWN	25.70	340	J
08.	UNKNOWN	16.79	280	J
09.	UNKNOWN	31.25	280	J
10.	UNKNOWN	29.40	200	J
11.	UNKNOWN	19.82	200	J
~~12.~~	~~UNKNOWN~~	~~10.09~~	~~190~~	~~JB~~ R
13.	UNKNOWN	35.44	170	J
14.	UNKNOWN	18.39	160	J
15.	UNKNOWN	31.76	160	J
16.	UNKNOWN	35.12	160	J
17.	UNKNOWN	18.14	150	J
18.	UNKNOWN	25.93	150	J
19.	UNKNOWN	34.83	140	J
20.	UNKNOWN	33.81	140	J
21.	UNKNOWN	34.03	120	J
22.	UNKNOWN C15H12 PAH	21.71	120	J
23.	UNKNOWN C17H12 PAH	24.80	120	J
24.	UNKNOWN	21.00	120	J
25.	UNKNOWN	27.97	110	J
26.	UNKNOWN	24.93	110	J
27.	UNKNOWN	13.48	110	J
28.	UNKNOWN	23.48	100	J
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112100

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2006

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	UJ
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	UJ
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	15	J
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	14	J
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	17	J
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	UJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

DUP112100

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2006

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	UJ
132-64-9	Dibenzofuran	8	J
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	UJ
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	14	J
100-01-6	4-Nitroaniline	1100	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	22	J
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	20	J
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	62	J
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	430 ~~320~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	47	J
207-08-9	Benzo(k)fluoranthene	52	J
50-32-8	Benzo(a)pyrene	56	J
193-39-5	Indeno(1,2,3-cd)pyrene	53	J
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	95	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP112100

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2006

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs Found: 26 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN ACID	21.63	2500	J
02.	UNKNOWN ACID	23.22	850	J
03.	UNKNOWN	23.08	770	J
04.	UNKNOWN	31.74	320	J
05.	UNKNOWN ACID	19.82	250	J
06.	UNKNOWN C6H14O3 ISOMER	10.34	240	J
07.	UNKNOWN C15H12 PAH	21.70	240	J
08.	UNKNOWN	32.34	230	J
09.	UNKNOWN	31.25	220	J
10.	UNKNOWN	27.88	220	J
11.	UNKNOWN	36.30	220	J
12.	UNKNOWN C15H12 PAH	21.89	180	J
13.	UNKNOWN C17H12 PAH	24.29	180	J
~~14.~~	~~UNKNOWN~~	~~10.08~~	~~180~~	~~JB~~ R
15.	UNKNOWN	23.49	170	J
16.	UNKNOWN	27.85	150	J
17.	UNKNOWN	27.78	150	J
18.	UNKNOWN	27.97	140	J
19.	UNKNOWN	33.73	140	J
20.	UNKNOWN	25.69	140	J
21.	UNKNOWN	23.58	130	J
22.	UNKNOWN	23.75	120	J
23.	UNKNOWN	25.38	120	J
24.	UNKNOWN	34.83	120	J
25.	UNKNOWN C16H14 PAH	22.84	120	J
26.	UNKNOWN	21.48	110	J
27.				
28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30.6 (g/mL) G Lab File ID: >S2005

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	29	J
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	230	J
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U J
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U J
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	37	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	26	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	10	J
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	12	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30.6 (g/mL) G Lab File ID: >S2005

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	UJ
132-64-9	Dibenzofuran	19	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	45	J
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	19	J
100-01-6	4-Nitroaniline	1000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	24	J
86-74-8	Carbazole	11	J
84-74-2	Di-n-butylphthalate	72	J
206-44-0	Fluoranthene	94	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	47	J
218-01-9	Chrysene	64	J
117-81-7	bis(2-Ethylhexyl)phthalate	410 ~~180~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	39	J
207-08-9	Benzo(k)fluoranthene	39	J
50-32-8	Benzo(a)pyrene	45	J
193-39-5	Indeno(1,2,3-cd)pyrene	52	J
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	85	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30.6 (g/mL) G Lab File ID: >S2005

~~Level: (low/med) LOW~~ ~~Date Received: 11/22/00~~

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.83-47-6	.GAMMA.-SITOSTEROL	34.86	3000	JN
02.	UNKNOWN	35.10	1900	J
03.	UNKNOWN	35.89	1400	J
04.	UNKNOWN	36.91	1200	J
05.	UNKNOWN	31.76	660	J
06.	UNKNOWN	32.37	650	J
07.	UNKNOWN	31.25	560	J
08.	UNKNOWN	33.84	510	J
09.	UNKNOWN C18H22 ISOMER	23.23	450	J
10.	UNKNOWN ACID	21.60	390	J
11.	UNKNOWN C4 ALKYLBENZENE	10.81	360	J
12.	UNKNOWN	35.60	350	J
13.	UNKNOWN	33.75	320	J
14.	UNKNOWN	34.65	310	J
15.	UNKNOWN	29.40	290	J
16.	UNKNOWN	27.89	260	J
17.	UNKNOWN	32.00	250	J
18.	UNKNOWN	33.34	240	J
~~19.~~	~~UNKNOWN~~	~~10.09~~	~~240~~	~~JB~~ R
20.	UNKNOWN	34.04	230	J
21.	UNKNOWN	37.12	210	J
22.	UNKNOWN	27.09	210	J
23.	UNKNOWN	32.19	200	J
24.	UNKNOWN	32.94	200	J
25.	UNKNOWN	24.22	200	J
26.	UNKNOWN	36.79	200	J
27.	UNKNOWN	33.56	200	J
28.138-86-3	LIMONENE	10.90	200	JN
29.	UNKNOWN	29.91	180	J
30.	UNKNOWN	35.48	180	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM31CA(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2004

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	20	J
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	61	J
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	UJ
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	UJ
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	UJ
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	14	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	11	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

ERM31CA(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2004

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U J
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	980	U J
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	44	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	42	J
206-44-0	Fluoranthene	45	J
129-00-0	Pyrene	60	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	23	J
218-01-9	Chrysene	30	J
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~160~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM31C~~A~~B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2004

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.4

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	25.74	750	J
02.	UNKNOWN C18H22 ISOMER	23.23	750	J
03.	UNKNOWN	13.49	550	J
04.	UNKNOWN	32.46	480	J
05.	UNKNOWN	30.36	470	J
06.	UNKNOWN	34.83	460	J
07.	UNKNOWN	31.75	360	J
08.	UNKNOWN	37.28	270	J
09.	UNKNOWN	36.39	270	J
10.	UNKNOWN	29.21	220	J
11.	UNKNOWN	35.82	220	J
~~12.~~	~~UNKNOWN~~	~~10.10~~	~~210~~	~~JB~~ R
13.	UNKNOWN C4 ALKYLBENZENE	10.82	180	J
14.	UNKNOWN	33.72	180	J
15.	UNKNOWN	32.35	180	J
16.	UNKNOWN	24.22	170	J
17.	UNKNOWN	31.24	170	J
18.	UNKNOWN	29.39	140	J
19.	UNKNOWN	27.68	140	J
20.	UNKNOWN	36.02	140	J
21.	UNKNOWN	36.30	120	J
22.	UNKNOWN	35.42	120	J
23.	UNKNOWN	31.92	110	J
24.98-86-2	ACETOPHENONE	11.62	110	JN
25.	UNKNOWN	34.64	110	J
26.	UNKNOWN	27.88	96	J
27.	UNKNOWN	29.76	89	J
28.	UNKNOWN	18.39	88	J
29.	UNKNOWN	25.92	87	J
30.	UNKNOWN	24.93	86	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2023

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	UJ
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	UJ
111-91-1	bis(2-Chloroethoxy)methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	2100	
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	1000	J
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	160	~~J~~ J OK
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1200	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2023

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	UJ
132-64-9	Dibenzofuran	1300	J
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1800	
100-01-6	4-Nitroaniline	3700	UJ
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3700	UJ
85-01-8	Phenanthrene	7900	
120-12-7	Anthracene	2000	
86-74-8	Carbazole	1200	J
84-74-2	Di-n-butylphthalate	1500	U
206-44-0	Fluoranthene	6900	
129-00-0	Pyrene	7100	J
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	3100	
117-81-7	bis(2-Ethylhexyl)phthalate	1500 ~~1200~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	1500	U
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenz(a,h)anthracene	650	J
191-24-2	Benzo(g,h,i)perylene	2500	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2023

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.22	2400	J
02.	UNKNOWN C17H12 PAH	24.24	1500	J
03.	UNKNOWN C15H10 ISOMER	21.85	1400	J
04.	UNKNOWN C17H12 PAH	24.36	1100	J
05.	UNKNOWN C22H12 PAH	34.99	1100	J
06.	UNKNOWN C20H12 PAH	29.59	960	J
07.	UNKNOWN	32.22	940	J
08.	UNKNOWN	29.06	850	J
09.	UNKNOWN C16H11N ISOMER	26.53	780	J
10.	UNKNOWN C15H16O ISOMER	21.05	720	J
11.	UNKNOWN C22H14 PAH	33.69	710	J
12.	UNKNOWN	31.14	700	J
13.	UNKNOWN C18H12 PAH	26.29	700	J
14.	UNKNOWN	29.95	690	J
15.	UNKNOWN	30.71	640	J
16.	UNKNOWN	30.18	630	J
17.	UNKNOWN C16H11N ISOMER	26.41	600	J
18.	UNKNOWN C18H10 PAH	25.66	600	J
19.90-12-0	NAPHTHALENE, 1-METHYL-	15.36	560	JN
20.	UNKNOWN	29.82	540	J
21.132-65-0	DIBENZOTHIOPHENE	20.32	510	JN
22.	UNKNOWN C16H10S ISOMER	25.87	500	J
23.	UNKNOWN	29.73	490	J
24.	UNKNOWN C19H14 PAH	26.86	490	J
25.	UNKNOWN C16H10S ISOMER	25.54	480	J
26.	UNKNOWN C17H12 PAH	24.00	480	J
27.	UNKNOWN	28.95	470	J
28.	UNKNOWN C15H12 PAH	21.64	440	J
29.	UNKNOWN C17H12 PAH	24.46	440	J
30.	UNKNOWN	24.09	410	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48A(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/ml) G Lab File ID: C5082166

% Moisture: 13 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/17/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	77.	U
11141-16-5	Aroclor-1232	44.	J
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	67.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48B(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.2 (g/ml) G Lab File ID: C5080059

%-Moisture: 15 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	28.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48C(6'-7')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.7 (g/ml) G Lab File ID: C5080060

% Moisture: 13 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q	
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	75.	U
11141-16-5	Aroclor-1232	210	J
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	37.	U
11097-69-1	Aroclor-1254	140	
11096-82-5	Aroclor-1260	110	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48D(4'-5')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.4 (g/ml) G Lab File ID: C5082168

% Moisture: 11 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/17/00

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	73.	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	73.	U
53469-21-9	Aroclor-1242	73.	U
12672-29-6	Aroclor-1248	73.	U
11097-69-1	Aroclor-1254	400	J
11096-82-5	Aroclor-1260	210	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM~~48~~31B(6'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.3 (g/ml) G Lab File ID: C5082170

% Moisture: 19 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/17/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40.	U
11104-28-2	Aroclor-1221	82.	U
11141-16-5	Aroclor-1232	40.	U
53469-21-9	Aroclor-1242	40.	U
12672-29-6	Aroclor-1248	40.	U
11097-69-1	Aroclor-1254	40.	U
11096-82-5	Aroclor-1260	13.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: DUP112100

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30.7 (g/ml) G Lab File ID: C5080062

% Moisture: 23 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42.	U
11104-28-2	Aroclor-1221	85.	U
11141-16-5	Aroclor-1232	42.	U
53469-21-9	Aroclor-1242	42.	U
12672-29-6	Aroclor-1248	42.	U
11097-69-1	Aroclor-1254	42.	U
11096-82-5	Aroclor-1260	9.1	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM31A(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30 (g/ml) G Lab File ID: C5080063

% Moisture: 21 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/08/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42.	U
11104-28-2	Aroclor-1221	85.	U
11141-16-5	Aroclor-1232	23.	J
53469-21-9	Aroclor-1242	42.	U
12672-29-6	Aroclor-1248	42.	U
11097-69-1	Aroclor-1254	34.	J
11096-82-5	Aroclor-1260	30.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM31CA(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30.1 (g/ml) G Lab File ID: C5080064

% Moisture: 15 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/08/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	36.	J
11096-82-5	Aroclor-1260	22.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48E(5'-6')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.1 (g/ml) G Lab File ID: C5080065

% Moisture: 12 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/08/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	76.	U
11141-16-5	Aroclor-1232	37.	U
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	37.	U
11097-69-1	Aroclor-1254	37.	U
11096-82-5	Aroclor-1260	11.	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TA~~0~~R-1

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686B SAS No.: _____ SDG No.: B2686

Matrix: (soil/water) WATER Lab Sample ID: 002686B-01

Sample wt/vol: 500 (g/mL) ML Lab File ID: >R9860

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/06/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____ Leach Date: 11/29/00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
91-20-3	Naphthalene	4	J
91-57-6	2-Methylnaphthalene	.3	J
208-96-8	Acenaphthylene	20	U
83-32-9	Acenaphthene	.3	J
86-73-7	Fluorene	.3	J
85-01-8	Phenanthrene	.7	J
120-12-7	Anthracene	.1	J
206-44-0	Fluoranthene	.2	J
129-00-0	Pyrene	.2	J
56-55-3	Benzo(a)anthracene	20	U
218-01-9	Chrysene	20	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)fluoranthene	20	U
50-32-8	Benzo(a)pyrene	20	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	UJ
53-70-3	Dibenzo(a,h)anthracene	20	UJ
191-24-2	Benzo(g,h,i)perylene	20	UJ

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INORGANIC ANALYSES DATA SHEET

0092 Rev.

EPA SAMPLE NO.

SB-5

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686B SAS No.: _____ SDG No.: B2686

Matrix (soil/water): SOIL Lab Sample ID: 002686B-02

Level (low/med): LOW Date Received: 11/22/00

% Solids: 73.8

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	130.			P
7440-41-7	Beryllium	0.59	~~B~~		P
7440-43-9	Cadmium	0.11	U		P
7440-70-2	Calcium	4600			P
7440-47-3	Chromium	59.6			P
7440-48-4	Cobalt	13.5			P
7440-50-8	Copper	31.9			P
7439-89-6	Iron	23100			P
7439-92-1	Lead	75.3	J	~~N~~	P
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	536.			P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	94.5			P
7440-09-7	Potassium	4350			P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium	125.	~~B~~		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	35.3			P
7440-66-6	Zinc	127.	J		P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

FORM I - IN ILM04.0

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01223 Rev

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-13ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-01

Level (low/med): LOW Date Received: 11/21/00

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16800			P
7440-36-0	Antimony	~~1.0~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	7.0	J	N	P
7440-39-3	Barium	132.			P
7440-41-7	Beryllium	0.79	B		P
7440-43-9	Cadmium	0.10	UJ	N	P
7440-70-2	Calcium	1330	J	*	P
7440-47-3	Chromium	46.6			P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	23.0	J	N	P
7439-89-6	Iron	18700			P
7439-92-1	Lead	83.0	J	*	P
7439-95-4	Magnesium	6280			P
7439-96-5	Manganese	670.			P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	24.0			P
7440-09-7	Potassium	2100			P
7782-49-2	Selenium	1.3	J	N	P
7440-22-4	Silver	0.22	B		P
7440-23-5	Sodium	59.6	B		P
7440-28-0	Thallium	1.4	B	UJ	P
7440-62-2	Vanadium	48.3			P
7440-66-6	Zinc	76.3	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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01224Rev

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-11ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-02

Level (low/med): LOW Date Received: 11/21/00

% Solids: 75.5

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20200			P
7440-36-0	Antimony	1.2	~~U~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	8.4	J	N	P
7440-39-3	Barium	111.			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	0.12	UJ	N	P
7440-70-2	Calcium	783.	BJ	*	P
7440-47-3	Chromium	37.5			P
7440-48-4	Cobalt	7.5	B		P
7440-50-8	Copper	24.0	J	N	P
7439-89-6	Iron	22100			P
7439-92-1	Lead	99.6	J	*	P
7439-95-4	Magnesium	4770			P
7439-96-5	Manganese	434.			P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	19.2			P
7440-09-7	Potassium	1050	B		P
7782-49-2	Selenium	1.5	J	N	P
7440-22-4	Silver	0.24	U		P
7440-23-5	Sodium	51.9	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	58.5			P
7440-66-6	Zinc	71.6	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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01225Rev

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ERMWETLAND-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-03

Level (low/med): LOW Date Received: 11/21/00

% Solids: 14.7

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	~~5.0~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	11.0	J	N	P
7440-39-3	Barium	392.			P
7440-41-7	Beryllium	0.99	B		P
7440-43-9	Cadmium	0.65	BJ	N	P
7440-70-2	Calcium	8200	J	*	P
7440-47-3	Chromium	26.7			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	29.4	J	N	P
7439-89-6	Iron	8410			P
7439-92-1	Lead	86.1	J	*	P
7439-95-4	Magnesium	3510	B		P
7439-96-5	Manganese	88.0			P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	21.3	B		P
7440-09-7	Potassium	564.	B		P
7782-49-2	Selenium	5.0	UJ	N	P
7440-22-4	Silver	0.99	U		P
7440-23-5	Sodium	333.	B		P
7440-28-0	Thallium	5.9	U		P
7440-62-2	Vanadium	43.6	B		P
7440-66-6	Zinc	147.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

FORM I - IN ILM04.0

U.S. EPA - CLP

01226 Rev

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ERMWETLAND-2

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-04

Level (low/med): LOW Date Received: 11/21/00

% Solids: 21.7

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10000			P
7440-36-0	Antimony	~~4.1~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	7.1	~~B~~J	~~N~~	P
7440-39-3	Barium	195.			P
7440-41-7	Beryllium	0.64	~~B~~		P
7440-43-9	Cadmium	0.41	UJ	~~N~~	P
7440-70-2	Calcium	8420	J	~~*~~	P
7440-47-3	Chromium	26.3			P
7440-48-4	Cobalt	4.3	~~B~~		P
7440-50-8	Copper	23.1	J	~~N~~	P
7439-89-6	Iron	9000			P
7439-92-1	Lead	96.8	J	~~*~~	P
7439-95-4	Magnesium	3550	~~B~~		P
7439-96-5	Manganese	71.9			P
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	18.8	~~B~~		P
7440-09-7	Potassium	682.	~~B~~		P
7782-49-2	Selenium	4.1	UJ	~~N~~	P
7440-22-4	Silver	0.83	U		P
7440-23-5	Sodium	201.	~~B~~		P
7440-28-0	Thallium	5.0	U		P
7440-62-2	Vanadium	35.3	~~B~~		P
7440-66-6	Zinc	54.8	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

01227 REV

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-8ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-05

Level (low/med): LOW Date Received: 11/21/00

% Solids: 73

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16400			P
7440-36-0	Antimony	~~1.2~~	~~U~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	9.8	J	N	P
7440-39-3	Barium	64.5			P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	0.12	UJ	N	P
7440-70-2	Calcium	619.	BJ	*	P
7440-47-3	Chromium	49.1			P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	24.8	J	N	P
7439-89-6	Iron	22700			P
7439-92-1	Lead	122.	J	*	P
7439-95-4	Magnesium	4920			P
7439-96-5	Manganese	429.			P
7439-97-6	Mercury	0.35			CV
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium	787.	B		P
7782-49-2	Selenium	1.3	J	N	P
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium	41.8	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	59.7			P
7440-66-6	Zinc	61.9	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

01228 Rev

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DUP112000

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-06

Level (low/med): LOW Date Received: 11/21/00

% Solids: 73.1

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18700			P
7440-36-0	Antimony	~~1.3~~	~~U~~	~~N~~ J	~~P~~ R
7440-38-2	Arsenic	8.9	J	N	P
7440-39-3	Barium	71.9			P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	0.13	UJ	N	P
7440-70-2	Calcium	860.	BJ	*	P
7440-47-3	Chromium	50.6			P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	24.6	J	N	P
7439-89-6	Iron	23100			P
7439-92-1	Lead	123.	J	*	P
7439-95-4	Magnesium	5270			P
7439-96-5	Manganese	484.			P
7439-97-6	Mercury	0.34			CV
7440-02-0	Nickel	23.3			P
7440-09-7	Potassium	1030	B		P
7782-49-2	Selenium	1.6	J	N	P
7440-22-4	Silver	0.26	U		P
7440-23-5	Sodium	59.6	B		P
7440-28-0	Thallium	2.0	B	UJ	P
7440-62-2	Vanadium	61.2			P
7440-66-6	Zinc	67.9	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

01229 Rev

EPA SAMPLE NO.

SS-4ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-07

Level (low/med): LOW Date Received: 11/21/00

% Solids: 69.4

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17700			P
7440-36-0	Antimony	~~1.4~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	8.6	J	N	P
7440-39-3	Barium	110.			P
7440-41-7	Beryllium	0.82	B		P
7440-43-9	Cadmium	0.14	UJ	N	P
7440-70-2	Calcium	1560	J	*	P
7440-47-3	Chromium	45.7			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	27.4	J	N	P
7439-89-6	Iron	19900			P
7439-92-1	Lead	105.	J	*	P
7439-95-4	Magnesium	6370			P
7439-96-5	Manganese	716.			P
7439-97-6	Mercury	0.31			CV
7440-02-0	Nickel	19.8			P
7440-09-7	Potassium	1520			P
7782-49-2	Selenium	1.4	UJ	N	P
7440-22-4	Silver	0.27	U		P
7440-23-5	Sodium	75.3	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	50.8			P
7440-66-6	Zinc	82.8	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01230 Rev

EPA SAMPLE NO.

SB-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-08

Level (low/med): LOW Date Received: 11/21/00

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12900			P
7440-36-0	Antimony	3.3	~~B~~J	~~N~~	P
7440-38-2	Arsenic	8.2	J	~~N~~	P
7440-39-3	Barium	245.			P
7440-41-7	Beryllium	0.30	~~B~~		P
7440-43-9	Cadmium	1.8	J	~~N~~	P
7440-70-2	Calcium	7600	J	~~*~~	P
7440-47-3	Chromium	50.9			P
7440-48-4	Cobalt	9.2	~~B~~		P
7440-50-8	Copper	174.	J	~~N~~	P
7439-89-6	Iron	64100			P
7439-92-1	Lead	3880	J	~~*~~	P
7439-95-4	Magnesium	5440			P
7439-96-5	Manganese	549.			P
7439-97-6	Mercury	0.49			CV
7440-02-0	Nickel	39.9			P
7440-09-7	Potassium	4750			P
7782-49-2	Selenium	1.0	UJ	~~N~~	P
7440-22-4	Silver	1.9	~~B~~		P
7440-23-5	Sodium	211.	~~B~~		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	38.2			P
7440-66-6	Zinc	805.	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01231 Rev

EPA SAMPLE NO.

SB-2

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-09

Level (low/med): LOW Date Received: 11/21/00

% Solids: 78.6

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600			P
7440-36-0	Antimony	8.3	BJ	N	P
7440-38-2	Arsenic	14.8	J	N	P
7440-39-3	Barium	449.			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	3.1	J	N	P
7440-70-2	Calcium	9270	J		P
7440-47-3	Chromium	194.			P
7440-48-4	Cobalt	12.6			P
7440-50-8	Copper	625.	J	N	P
7439-89-6	Iron	74400			P
7439-92-1	Lead	1040	J		P
7439-95-4	Magnesium	5730			P
7439-96-5	Manganese	766.			P
7439-97-6	Mercury	0.58			CV
7440-02-0	Nickel	122.			P
7440-09-7	Potassium	5000			P
7782-49-2	Selenium	1.1	UJ	N	P
7440-22-4	Silver	3.2			P
7440-23-5	Sodium	500.	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	47.4			P
7440-66-6	Zinc	1400	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01232 Rev

EPA SAMPLE NO.

SB-3

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-10

Level (low/med): LOW Date Received: 11/21/00

% Solids: 73

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22100			P
7440-36-0	Antimony	18.6	J	N	P
7440-38-2	Arsenic	13.4	J	N	P
7440-39-3	Barium	395.			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	2.7	J	N	P
7440-70-2	Calcium	8640	J	*	P
7440-47-3	Chromium	83.4			P
7440-48-4	Cobalt	14.1			P
7440-50-8	Copper	729.	J	N	P
7439-89-6	Iron	106000			P
7439-92-1	Lead	1330	J	*	P
7439-95-4	Magnesium	4930			P
7439-96-5	Manganese	1110			P
7439-97-6	Mercury	0.75			CV
7440-02-0	Nickel	130.			P
7440-09-7	Potassium	3380			P
7782-49-2	Selenium	1.3	UJ	N	P
7440-22-4	Silver	4.5			P
7440-23-5	Sodium	555.	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	35.7			P
7440-66-6	Zinc	1710	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01233
~~01234~~ Rev

EPA SAMPLE NO.

SB-4

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-11

Level (low/med): LOW Date Received: 11/21/00

% Solids: 78.1

JCC 1-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	~~0.97~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	4.3	J	N	P
7440-39-3	Barium	110.			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.097	UJ	N	P
7440-70-2	Calcium	4650	J	N	P
7440-47-3	Chromium	21.1			P
7440-48-4	Cobalt	9.4	B		P
7440-50-8	Copper	22.3	J	N	P
7439-89-6	Iron	19500			P
7439-92-1	Lead	126.	J	N	P
7439-95-4	Magnesium	6100			P
7439-96-5	Manganese	403.			P
7439-97-6	Mercury	0.088			CV
7440-02-0	Nickel	19.1			P
7440-09-7	Potassium	4410			P
7782-49-2	Selenium	0.97	UJ	N	P
7440-22-4	Silver	0.19	U		P
7440-23-5	Sodium	99.8	B		P
7440-28-0	Thallium	1.2	B	UJ	P
7440-62-2	Vanadium	26.0			P
7440-66-6	Zinc	104.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

01234
~~01235~~ Rev
EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-12

Level (low/med): LOW Date Received: 11/22/00

% Solids: 87.2

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9690			P
7440-36-0	Antimony	~~1.0~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	3.9	J	N	P
7440-39-3	Barium	84.4			P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	0.10	UJ	N	P
7440-70-2	Calcium	6480	J	*	P
7440-47-3	Chromium	24.4			P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	55.7	J	N	P
7439-89-6	Iron	22600			P
7439-92-1	Lead	166.	J	*	P
7439-95-4	Magnesium	4460			P
7439-96-5	Manganese	274.			P
7439-97-6	Mercury	0.042			CV
7440-02-0	Nickel	48.8			P
7440-09-7	Potassium	3690			P
7782-49-2	Selenium	1.0	UJ	N	P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	166.	B		P
7440-28-0	Thallium	2.0	B	UJ	P
7440-62-2	Vanadium	32.6			P
7440-66-6	Zinc	143.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01235
01236Rev

EPA SAMPLE NO.

ERM48B(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-13

Level (low/med): LOW Date Received: 11/22/00 JCC 01-11-01

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500			P
7440-36-0	Antimony	32.1	J	N ~~S(*)~~	P
7440-38-2	Arsenic	31.9	J	N	P
7440-39-3	Barium	270.			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.093	UJ	N	P
7440-70-2	Calcium	8920	J	*	P
7440-47-3	Chromium	66.2			P
7440-48-4	Cobalt	22.9			P
7440-50-8	Copper	348.	J	N	P
7439-89-6	Iron	172000			P
7439-92-1	Lead	2110	J	*	P
7439-95-4	Magnesium	5090			P
7439-96-5	Manganese	906.			P
7439-97-6	Mercury	0.066			CV
7440-02-0	Nickel	61.4			P
7440-09-7	Potassium	6540			P
7782-49-2	Selenium	0.93	UJ	N	P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	594.	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	33.2			P
7440-66-6	Zinc	766.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

01236
~~01237~~ Rev

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-14

Level (low/med): LOW Date Received: 11/22/00

% Solids: 83.6

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400			P
7440-36-0	Antimony	1.8	~~B~~J	~~N~~	P
7440-38-2	Arsenic	9.7	J	~~N~~	P
7440-39-3	Barium	538.			P
7440-41-7	Beryllium	0.36	~~B~~		P
7440-43-9	Cadmium	4.8	J	~~N~~	P
7440-70-2	Calcium	14900	J	~~*~~	P
7440-47-3	Chromium	50.4			P
7440-48-4	Cobalt	11.1	~~B~~		P
7440-50-8	Copper	282.	J	~~N~~	P
7439-89-6	Iron	38200			P
7439-92-1	Lead	832.	J	~~*~~	P
7439-95-4	Magnesium	3810			P
7439-96-5	Manganese	308.			P
7439-97-6	Mercury	0.52			CV
7440-02-0	Nickel	35.6			P
7440-09-7	Potassium	1670			P
7782-49-2	Selenium	1.2	UJ	~~N~~	P
7440-22-4	Silver	2.0	~~B~~		P
7440-23-5	Sodium	561.	~~B~~		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	37.1			P
7440-66-6	Zinc	1030	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01237
~~01238~~ Rev

EPA SAMPLE NO.

ERM48D(4'-5')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-15

Level (low/med): LOW Date Received: 11/22/00

% Solids: 91.4

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	~~1.1~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	3.6	UJ	N	P
7440-39-3	Barium	131.			P
7440-41-7	Beryllium	0.41	B		P
7440-43-9	Cadmium	0.11	UJ	N	P
7440-70-2	Calcium	8310	J	*	P
7440-47-3	Chromium	40.7			P
7440-48-4	Cobalt	8.8	B		P
7440-50-8	Copper	31.5	J	N	P
7439-89-6	Iron	20500			P
7439-92-1	Lead	59.8	J	*	P
7439-95-4	Magnesium	8390			P
7439-96-5	Manganese	374.			P
7439-97-6	Mercury	0.097			CV
7440-02-0	Nickel	27.5			P
7440-09-7	Potassium	4530			P
7782-49-2	Selenium	1.1	UJ	N	P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	143.	B		P
7440-28-0	Thallium	1.6	B	UJ	P
7440-62-2	Vanadium	34.2			P
7440-66-6	Zinc	101.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

01238
~~01239~~ Rev

EPA SAMPLE NO.

31
ERM~~48~~B(6'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-16

Level (low/med): LOW Date Received: 11/22/00

% Solids: 84.7

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	25.2	J	N	P
7440-38-2	Arsenic	8.0	J	N	P
7440-39-3	Barium	295.			P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.087	UJ	N	P
7440-70-2	Calcium	6030	J	*	P
7440-47-3	Chromium	36.6			P
7440-48-4	Cobalt	8.4	BJ		P
7440-50-8	Copper	80.4	J	N	P
7439-89-6	Iron	36300	J		P
7439-92-1	Lead	20600	J	*	P
7439-95-4	Magnesium	4740			P
7439-96-5	Manganese	317.	J		P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	25.4	J		P
7440-09-7	Potassium	4650			P
7782-49-2	Selenium	0.87	UJ	N	P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	923.	J		P
7440-28-0	Thallium	1.1	B	UJ	P
7440-62-2	Vanadium	31.4			P
7440-66-6	Zinc	363.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

JR

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01239
~~01240~~ Rev

EPA SAMPLE NO.

DUP112100

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-17

Level (low/med): LOW Date Received: 11/22/00

% Solids: 85.2

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8600			P
7440-36-0	Antimony	14.4	J	N	P
7440-38-2	Arsenic	38.2	J	N	P
7440-39-3	Barium	506.			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.091	UJ	N	P
7440-70-2	Calcium	29800	J	N	P
7440-47-3	Chromium	56.7			P
7440-48-4	Cobalt	45.2	J		P
7440-50-8	Copper	497.	J	N	P
7439-89-6	Iron	196000	J		P
7439-92-1	Lead	5240	J	N	P
7439-95-4	Magnesium	2020			P
7439-96-5	Manganese	1180	J		P
7439-97-6	Mercury	0.39			CV
7440-02-0	Nickel	125.	J		P
7440-09-7	Potassium	1560			P
7782-49-2	Selenium	0.91	UJ	N	P
7440-22-4	Silver	2.8			P
7440-23-5	Sodium	2990	J		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	43.8			P
7440-66-6	Zinc	1900	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

01240 Rev
EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-18

Level (low/med): LOW Date Received: 11/22/00

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	~~1.0~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	8.7	J	N	P
7440-39-3	Barium	222.			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.10	UJ	N	P
7440-70-2	Calcium	4050	J		P
7440-47-3	Chromium	26.0			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	54.0	J	N	P
7439-89-6	Iron	43400			P
7439-92-1	Lead	88.6	J		P
7439-95-4	Magnesium	3820			P
7439-96-5	Manganese	372.			P
7439-97-6	Mercury	0.16			CV
7440-02-0	Nickel	24.5			P
7440-09-7	Potassium	2980			P
7782-49-2	Selenium	1.0	J	N	P
7440-22-4	Silver	0.24	B		P
7440-23-5	Sodium	823.	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	33.3			P
7440-66-6	Zinc	172.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

FORM I - IN ILM04.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01241
01242 RCV

EPA SAMPLE NO.

ERM31CA(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-19

Level (low/med): LOW Date Received: 11/22/00

% Solids: 83.9

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9140			P
7440-36-0	Antimony	60.7	J	N	P
7440-38-2	Arsenic	31.0	J	N	P
7440-39-3	Barium	1240			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	30.7	J	N	P
7440-70-2	Calcium	43700	J	*	P
7440-47-3	Chromium	104.			P
7440-48-4	Cobalt	10.3			P
7440-50-8	Copper	419.	J	N	P
7439-89-6	Iron	206000			P
7439-92-1	Lead	2540	J	*	P
7439-95-4	Magnesium	2820			P
7439-96-5	Manganese	1100			P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	54.2			P
7440-09-7	Potassium	1300			P
7782-49-2	Selenium	0.88	UJ	N	P
7440-22-4	Silver	4.9			P
7440-23-5	Sodium	1680			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	99.5			P
7440-66-6	Zinc	4810	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

JB

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01242
~~01243~~ Rev

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-20

Level (low/med): LOW Date Received: 11/22/00

% Solids: 92.8

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17000			P
7440-36-0	Antimony	2.9	~~B~~J	~~N~~	P
7440-38-2	Arsenic	7.1	J	~~N~~	P
7440-39-3	Barium	346.			P
7440-41-7	Beryllium	0.31	~~B~~		P
7440-43-9	Cadmium	0.80	~~B~~J	~~N~~	P
7440-70-2	Calcium	11300	J	~~*~~	P
7440-47-3	Chromium	70.2			P
7440-48-4	Cobalt	13.6			P
7440-50-8	Copper	114.	J	~~N~~	P
7439-89-6	Iron	43400			P
7439-92-1	Lead	358.	J	~~*~~	P
7439-95-4	Magnesium	10100			P
7439-96-5	Manganese	460.			P
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel	36.0			P
7440-09-7	Potassium	11100			P
7782-49-2	Selenium	0.98	UJ	~~N~~	P
7440-22-4	Silver	0.76	~~B~~		P
7440-23-5	Sodium	380.	~~B~~		P
7440-28-0	Thallium	2.0	~~B~~	UJ	P
7440-62-2	Vanadium	53.3			P
7440-66-6	Zinc	324.	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TAG-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686B SAS No.: _____ SDG No.: B2686

Matrix (soil/water): WATER Lab Sample ID: 002686B-01

Level (low/med): LOW Date Received: 11/22/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	5.0	U		P
7440-39-3	Barium	289.			P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.8	~~B~~J	~~N~~	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	2.1	~~B~~		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	13.1			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

ERMWETLAND-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-03

% Solids: 13.4 Date Received: 11/21/00

CAS No.	Analyte	Concentration	C	Units	Q	M
	TOC	350000		mg/Kg		D

Comments:

FORM I - WC

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

ERMWETLAND-2

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-04

% Solids: 23.1 Date Received: 11/21/00

CAS No.	Analyte	Concentration	C	Units	Q	M
	TOC	252000		mg/Kg		D

Comments:

FORM I - WC

Appendix B

Data Packages Intentionally Omitted

STL Data Packages will be Transmitted to the NYSDEC Only

APPENDIX C

Field Notes

500 Mamaroneck

Field Notes

11-20 & 11-21, 2000

pages = 25

J Shuler

Date: 11-20-00 Monday page 1

Project: 500 Mamaroneck

Project number: X8101.00.01

Project location: Mamaroneck, new York

Day #1

Weather: Am: Clear, cold temps Rng = 32°-40°F
winds calm.
PM: Becoming overcast, calm
winds High ≈ 42°F

6:00: Arrive at Warehouse. Obtain
all necessary Equipment

6:15-7:30: travel to site.

8:00 Am: Met with mark from
NAEVA. He begin utility mark
out in geophysical drilling area.

8:15 Am: Met with mike from
Cameron.

8:30 Am: Received Sample bottles from Sth.

8:30-11:25A: NAEVA Completing utility
Markout.

11:15Am: Kevin Carpenter arrive on-site.
Prep for Shallow grab Sampling

500 Narragansett 11-20-00

Shallow Soil Sampling page 2

AREA A: Woods

Sample number 1: SS13ERM

location is adjacent to S-13. using stainless steel spoon & bowl, collected sample 0"-6" below grade. removed organic material and transferred sample material to laboratory sample jar.

Sample ID = SS-13ERM

Sample time = 1145 AM

Sample analysis = TAL Metals.

Sample location #2

location is adjacent to S-11 using stainless steel spoon & bowl, collected sample 0"-6" below grade. removed organic material and transferred soil to jar.

Sample ID = SS-11ERM

Sample time = 11:55 A

Sample analysis: TAL metals

500 Narragansett 11-20-00 Pg 3

Sample location #3.

collected sample adjacent to South Pond / wetland area. using a stainless steel spoon and bowl, collected soil sample. sample was placed in sample jar.

Sample ID = ERM Wetland #1

Sample time = 1205

Sample analy = TAL metals, TOC

Sample location #4:

collected sample adjacent to Norton Section of Pond. sample was collected using stainless steel spoon & bowl. Placed sample in bowl removed organic material transferred to sample jar. TOC was transferred immediately to jar.

Sample ID: ERM wetland #2

Sample time = 1215

Sample analysis: TAL Metals, TOC

Soo Manufacturing 11-20-00 page 4

NEXT Sample Location. Sample #5
collected Soil Sample
using Stainless steel Spoon
and Bowl. Sample was transferred
to Bowl. Removed Roots &
organic material. transferred
to laboratory Sample Jar.
Sample ID = SS-ERM8
Sample time = 12:30
Sample analysis = TAL METALS.
Note: collected Duplicate Sample
at this Location.
Sample ID = DUP112000
Sample time = 12:35
Sample analysis = TAL METALS

NEXT Sample location: Sample #6
collected Sample in area adjacent
to sample C-4. Sample was
collected using Stainless Steel
Spoon & Bowl.
Sample ID = SS-ERM4
Sample time = 1255
Sample analysis: TAL METALS

Soo Manufacturing 11-20-00 page 5

End of Sampling in Northern wooded
area. total of 6 Sample locations
were addressed

Next Sample area: South Berm area
Sample Number 1
collected Sample from South-East
Extent of Berm. area was debris
and trash mixed area
collected Samples using stainless
steel spoon & Bowl.
Sample ID = SB-1
Sample time: 1:20
Sample analysis = TAL Metals.

NEXT Sample location: South Berm area.
collected Sample from South Berm
area appears to be intermixed
with litter & garbage.
Sample ID = SB-2
Sample time 1:25
Sample analysis: TAL METALS

500 Mamaroneck 11-20-00 page 6

Next Sample location: South Berm area.
Sample location #3:
Sample was collected from Berm ≈ mid way. the sample was collected using a stainless steel spoon & Bowl. the sample was collected and transferred to laboratory supplied jar.
Sample ID = SB-3
Sample time = 1:45
Sample analysis: TAL METALS

NEXT Sample location: South Berm area
Sample location #4:
Sample was collected from Berm ≈ mid way. the sample was collected using stainless steel spoon & Bowl. the sample was placed in laboratory supplied jar.
Sample ID = SB-4
Sample time = 2:05
Sample analysis: TAL METALS

500 MAMARONECK 11-20-00 page 7

NEXT Sample location: South Berm area.
Sample location #4
Sample was collected using stainless steel spoon & Bowl. Sample was transferred to laboratory supplied jar.
Sample ID = SB-5
Sample time = 2:15
Sample analysis: TAL METALS.

End of Sampling for day. All samples collected today were placed in laboratory supplied coolers on ice and shipped to STL for sample analysis.
the following is list of samples collected today: 11-20-00

EASTERN BUFFER ZONE	Southern Berm
1. SS-13 ERM	1. SB-1
2. SS-11 ERM	2. SB-2
3. ERM wetland-1	3. SB-3
4. ERM wetland-2	4. SB-4
5. SS-8 ERM (DUP)	5. SB-5
6. SS-4 ERM	

(B)

500 Mamaroneck 11-20-00 Page 8

Samples were shipped via Federal Express to STL overnight Express.
Samples were required Normal turnaround time.
requested analysis:

Sample	analysis	Sample time
SS-13ERM	TAL Metals	11:45
SS-11ERM	TAL metals	11:55
ERMwetland-1	TAL metals, TOC	12:05
ERMwetland-2	TAL metals, TOC	12:15
SS-8ERM	TAL metals	12:30
SS-9ERM	TAL Metals	12:55
SB-1	TAL metals	1:20
SB-2	TAL Metals	1:25
SB-3	TAL metals	1:45
SB-4	TAL Metals	2:05
SB-5	TAL metals	2:15
DUP112000	TAL metals	12:35

Site Personnel today:
ERM: JOHN SHEEHAN, GREG Skinner
NYSDEC: Kevin CAPENTER
NEAVA MARK WEISS
Conesco: mike Feldman

(A)

500 Mamaroneck 11-20-00 Page 9

marked out Sampling / Boring at area around ERM-31 a total of 6 Borings were marked out in and around that area.

End of Day: off Site 1500

Packed Samples and Dropped Samples at Fed ex

John G Sheehan

Date: 11-21-00 TUESDAY
Project: 500 MAMARONECK AVE.
Project Number: X8101.00.01
Project location: Westchester, NY
Day: 2
Weather: AM: Clear, CALM winds
temp = 30° - 35° F
PM: Clear, cold Hgh 40°F

6:15 AM: Arrived at the warehouse, obtained all necessary Equipment.
6:15-7:30A: Drove to Site.
7:30A-8:00A: Prepped for Sampling.
8:07A: Karm Carpenter arrive on site.
8:16A: Mike Feldman arrive on site.
8:30AM: Find Driller on site - move to investigation area.
Prep for Drilling

Drilling Company: EPI
Driller: Brian
Drill rig: Geoprobe model #:

Geoprobe Investigation:

Boring #: ERM 48A time: 9:00A
0'-4': Dark Brown trending to Brown fine & medium SAND with Some gravel. Well Sorted. Some Clay lenses toward 8'.
Some PVC chips & glass toward tip.
Dry. No odor. No staining.
United Soil classification system #: SM
Muncell color chart #: 10YR 3/2
PID Reading screen/headspace: 1.7 ppm / 3.9 ppm
4'-8'
Dark gray fine & medium Sand with Some fine gravel. Some Debris
7'-8': small angular Piece of Black hard substance. Wet. Some Bedrock fragments toward tip.
PID Reading screen/headspace: 2.1 / 4.3 ppm

Collected Sample for laboratory analysis:
Sample ID = ERM 48A (7'-8')
Sample zone = 7' to 8' below grade
Sample analysis = TAL METALS, SVOCs, includes PCBs
Sample time = 0915 A

Note: Sampled the suspected "Black tar material". not enough material to have analyzed. will hold.

End Boring ERM48A.
refusal at 8' below grade.

NEXT BORING ERM48B 0'-4':
Dark Brown fine Sand & organic material trending to a Dark gray fine & medium Sand with some gravel. quartz cobble @ tip. Dry. no odor. no sign of staining.
PID Reading: 4.7 ppm / 5.8 ppm
combined. Soil classification system: SM
munsell color chart = 10YR 3/1

4'-8': Brown, gray & Dark gray fine & medium Sand with some gravel and Debris. (glass, tiles, wrappers).
wet towards tip. no odor. no staining
USCS # = SM
Munsell color chart #: 10YR 3/1, 4/4, 5/1
PID Reading: 11.4 / 3.3 ppm

8'-12': Note Inserted Recovery (1.5').
Dark brown & Brown fine Sand with some clay towards tip & Debris; (glass, tile, misc...)
wet.
USCS = SM
Munsell = 10YR 4/4, 3/2
PID Reading: 3.1 / 4.8 ppm.
End of Boring 48B.

Collected Soil Sample at 7'-8' @ ERM48B. this was area of Highest Hits on PID.
Sample ID = ERM48B (7'-8')
Sample Zone = 7'-8' below grade
Sample time: 945
Sample analysis: TAL metals, SVOCs

(2)

500 MAMARONECK. 11-21-00
Page 14

Next Boring ERM48C

0'-4':

Brown fine Sand & organic material trending to a Dark Brown and gray fine Sand with some gravel. Fractured Bedrock, (Schist). no odor. no staining.

USCS = SM

munsell = 10YR 3/2 / 5/1.

PID Reading 3.4 ppm / 7.1 ppm

4'-7': Brown and Dark Brown fine & medium Sand with some gravel and Fractured Bedrock with Debris at towards tip.

USCS = SM

munsell: 10YR 3/5 & 5/1

PID Readings: 3.3 ppm / 5.1

Collected Sample for analysis

Sample ID: ERM48C (6'-7')

Sample time: 10:25

Sample analysis = TAL metals / SVOCs

(2)

500 MAMARONECK. 11-21-00
Page 15

Next Boring: ERM48D

0'4': Dark Brown and organic material trending to Dark Brown fine and Medium Sand with some gravel. no odor. no staining.

PID Readings: 1.4 ppm / 4.7 ppm.

USCS = SM

munsell = 10YR 3/2 & 3/3.

4'-5.5': Brown & Black fine & medium Sand with some gravel and Debris. (note: Black soft Rubber Present. Dry.

Refusal @ 5.5'. no odor. no staining.

PID Reading: 1.5 ppm / 5.8 ppm.

USCS = SM

munsell: 10YR 3/2

note: collected soil Sample at this location:

Sample ID = ERM 48D (4'-5')

Sample time = 1100

Sample analysis: TAL Metals, SVOCs

500 Mamaroneck 11-21-00 page 16

NEXT SAMPLE AREA = ERM-31

next location : ERM31B

0'-4' : top 3" Asphault and Bluestone Black and Dark gray fine & medium Sand with some gravel (Bluestone) and Debris. Woodchips present. no odor. no sign of staining.

PID Reading : 3.4 ppm / 7.1 ppm.

USCS = SM

Munsell color chart #: 10YR 4/2 & 3/2)

4'-8' : Black & Brown fine and medium Sand with Debris glass, tiles, etc. moist to wet in areas. no odor. no staining

PID Reading : 14.7/15.8

Munsell : 10YR 2/2

USCS = SM

500 Mamaroneck. 11-21-00 page 17

8'-12' : Gray & Brown fine and medium SAND with gravel. coarser material than above. wet. appears like native material. no odor no staining

PID Reading : 4.3 ppm / 5.1 ppm

USCS = SW

Munsell = 10YR 6/1 & 6/4

End of Boring ERM 31B

Note: collected Laboratory Sample at 6'-8' zone Due to the excavated

PID Reading:

Sample ID : ERM31B(6'-8')

Sample time = 1125

Sample analysis TAL metals, SVOCs

Note: collected Duplicate Sample at this location. DUP112100 = ERM31B (6'-8')

Sample ID = DUP112100

Sample time = 11:45

Sample analysis : TAL METALS, SVOCs

500 MAMARONECK 11-21-00
Page 18

Next Boring: ERM31A
0'-4': Black and areas of gray fine SAND with some gravel and debris. Dry no odor, no sign of staining.
PID Readings: 0.0ppm / 0.4ppm
Munsell Color Chart: 10YR 2/2 3/2
USCS - SW

4'-8': ~~limited Recovery.~~
~~Yellowish Brown Fine Sand with Silt and woodchips~~
Dark gray & Black fine Sand, Silt and Debris. wet in areas
PID Readings: 4.7 / 5.0 ppm
Munsell = 10YR 2/2 & 3/1
USCS = SM with Debris

Note: collected Soil Sample at the location.
Sample ID = ERM31A(7'-8')
Sample time = 1215
Samples analyzed: TAL Metals, TVOC,

500 MAMARONECK. 11-21-00
Page 19

8'-12': Brown Woodchips and some Sand trending to a yellow Brown fine Sand & Silt. Some clay. moist
PID Readings: 0.7ppm / 1.1ppm

12'-16': limited Recovery.
recovered @ 16'
Dark gray and Brown fine Sand with some medium Sand and Coarse Sand. well Sorted. appears like Natural material. wet. no odor. no sign of staining.
PID Readings: 1.1 ppm / 1.7ppm
Munsell Color Chart = 10YR 5/1
USCS = SW

End of Boring ERM31A.

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Page 20

Next Sample location: ERM31D
0'-3':
Note refusal at 3' below grade
Dark Brown and gray fine Sand
with Pulverized areas of gravel
and Bluestone. Some Pulverized
Rock at tip. Dry. No odor
No Staining.
PID Readings: 3.1 / 4.7
Munsell: 10YR 3/2
USCS: SM

End of Boring ERM31D. No lab sample collected

Next sample location: ERM31C
top 6": Brown fine Sand and
organic material.
6"-4': Brown and Black fine
Sand and Debris with some
gravel. Dry.
PID Readings: 3.1 ppm / 4.2 ppm
Munsell Color chart
USCS:

500 MAMAROneck 11-21-00
Page 21

ERM31C
4'-8': Black and areas of Brown
fine Sand with gravel and
Debris in areas. Some odor @ 7.5'
Black oily material. Some areas
of Pulverized Rock. Dry wet @ tip.
PID Reading 4.1 / 7.3 ppm
Munsell: 10YR 3/2
USCS: SM

Note: collected Laboratory Sample at
this location.
Sample ID = ERM31C (7'-8')
Sample time = 12:55
Sample location (7'-8')
Sample analysis: TAL metals, SVOCs

8'-12': limited Recovery.
Brown fine Sand trace to g
Yellowish Brown fine Sand & silt
Some Debris Present.
PID Reading:
Munsell
USCS:

(2)

500 Mamaroneck 11-21-00
Page 22

12-16':
Grey & light Grey fine & medium sand with occasional gravel. wet. well sorted.
Appear to be natural material
No odor no sign of staining
PID Readings: 12.2 / 14.3
Munsell: 10YR 5/10 6/1
USCS: SM

End of Boring ERM 31C

NEXT Sample location: ERM 48E

0'-4': Black and Dark Brown Fine sand with some gravel and debris. Dry. No odor no sign of staining.
PID Readings: 5.4 ppm / 7.1 ppm
Munsell color chart:
USCS: SM

(3)

500 Mamaroneck 11-21-00
Page 23

4'-6': Brown and Dark Brown fine and medium with some pulverized Bedrock. Dry wet @ tip
Some silty clay @ tip.
refusal at 6'
PID Readings: 6.7 ppm / 11.1 ppm

Collected Sample for laboratory analysis at this location.
Sample ID = ERM 48E (3'-6')
Sample time = 1:45
Sample analysis. TOC metals SVOCs
Sample zone 15'-6'

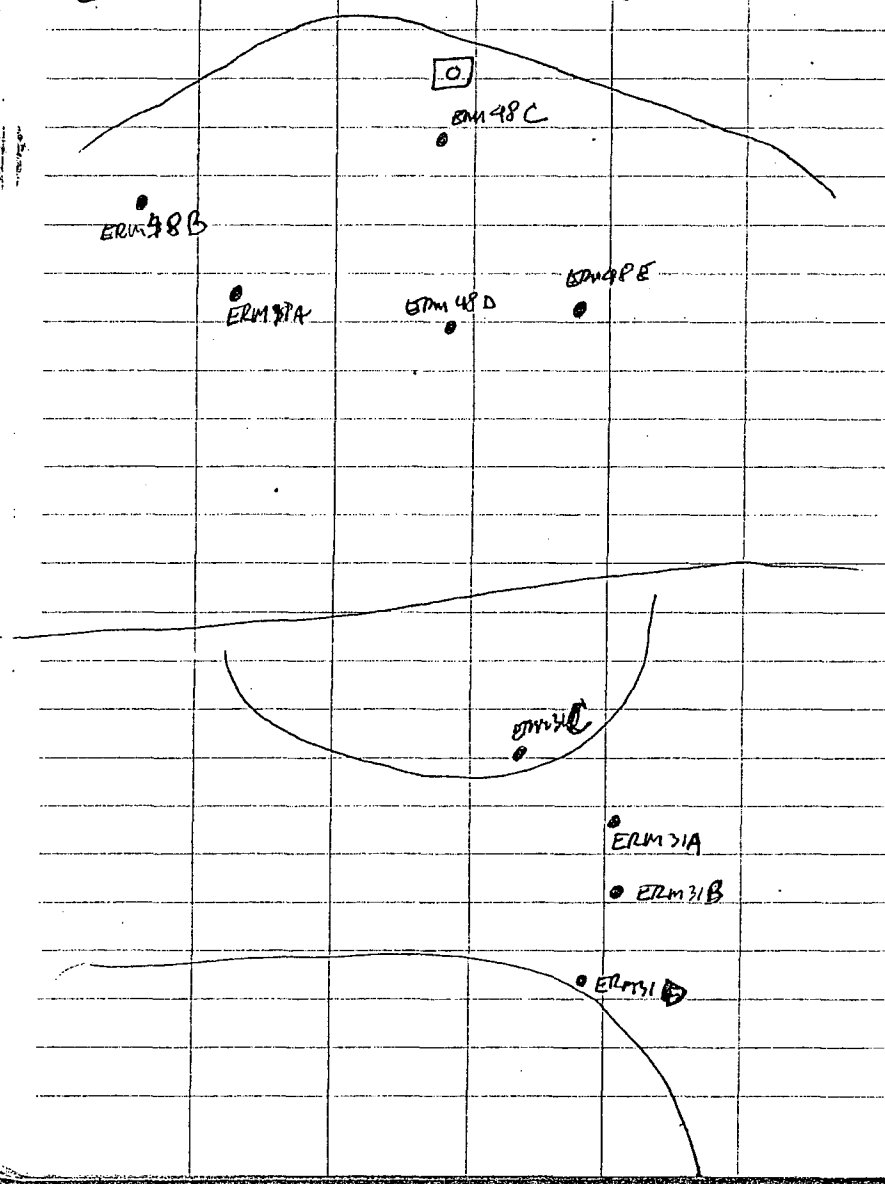
Note collected MS/MSD Sample @ this location.
Filled Extra set of Jar

End of Sampling for Day

500 Manamonuk ave

BORING LOCATION MAP

11-21-00
Page 24



500 Manamonuk ave

11-21-00
Page 25

End of Sampling for Day.

all samples collected were place on ice in cooler and shipped to SPL for Analysis.

End of Day

CONECO
Engineers & Scientists

Civil Design & Land Planning
Surveying
Geotechnical Engineering
Environmental Consulting
Regulatory Compliance & Permitting

November 19, 2008
CONECO Project No. C873.1

RECEIVED
NOV 20 2008
Remediation

New York State Department of Environmental Conservation
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway
Albany, New York 12233-1500

Re: **2nd Annual Certification**
Agreement Index No. W3-0851-99-05
VCP Site No. V00213
Commercial Property: 500 Mamaroneck Avenue, Harrison, NY

Deborah Christian, Acting Chief:

On behalf of 500 Mamaroneck Avenue, L.P. and Viviane Paris, LLC, Coneco Engineers & Scientists (CONECO) is please to submit this **2nd Annual Certification** for the property located at 500 Mamaroneck Avenue in Harrison, New York, hereinafter referred to as the "Site".

In accordance with the terms of the Voluntary Agreement, Attachment C, entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates (the "Volunteer"), and as part of the Site Remedy the NYDEC requires that an annual inspection and certification be provided, stating that the Site engineering controls are in place and effective.

The Site Remedy contained in the Remedial Action Plan Final Report (Report) prepared by Environmental Resources Management dated January 2005, and submitted to the NYDEC and approved by the NYDEC, consists of institutional and engineering controls. The engineering controls consist of the existing asphalt parking lots and landscaping and vegetative cover over the "southern berm" and the "northwest section." The engineering controls, specifically the existing asphalt pavement, acts as a protective barriers to ensure no direct exposure to residual lead and polyaromatic hydrocarbons (PAHs) in the historical underlying fill material associated with the formed Harrison Incinerator, which operated at the Site from approximately 1954 to 1980.

The Site Management Plan of the Report includes a Soil Management Plan, which ensures that engineering controls including the existing asphalt paved parking lots and vegetative cover are in place, maintained and effective in preventing direct contact by workers and/or occupants of the Site building, with the historical impacted fill material located beneath the asphalt pavement and vegetative areas designated in the Remedial Action Plan.

SITE DESCRIPTION:

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000-feet south of Union Avenue in Harrison, Westchester County, New York. The approximately 34.5-acre Site, roughly rectangular in shape, is improved with a five-story office building, and has approximately 985-feet of frontage along Mamaroneck Avenue. A Site Locus Plan and Site Plan are attached as Figure 1-1 and Figure 1-2, respectively.

Approximately 14-acres of the Site have been improved with an office building having a footprint of 1.5-acres, 9-acres of bituminous asphalt paved parking areas (north and south of the Site structure), and an undeveloped portion of the Site to the east which serves as a "buffer area" for adjacent residential properties. The Site is services by municipal water and sewer.

ANNUAL CERTIFICATION:

As part of this **2nd Annual Certification**, CONECO Senior Project Engineer, Michael Feldman, and W&M Properties, Inc. Building Engineer, Norbert Ostaszewski, have performed semi-annual inspections of the Site.

Mr. Ostaszewski performed Site inspections on May 14, 2008 and November 14, 2008. Mr. Feldman performed Site inspections on June 14, 2008 and November 14, 2008.

For all of the Site inspections a Remedy Inspection Form (Table 8-2) was completed for each inspection, (see Attachment 3). In addition, Site photographs of the ***engineering controls*** at the Site including the asphalt paved parking areas, landscaped areas, and Southern Berm are included as Attachment B.

In addition to the semi-annual inspections performed by the Site Building Engineer and his staff, daily inspections are performed to ensure that there are no problems with the engineering controls at the Site including the asphalt paved parking areas, landscaped areas, and Southern Berm. These daily inspections are performed by Building Engineer Norbert Ostaszewski, or one or more of his staff.

Asphalt Pavement

Observed Problem Areas:

No problem areas were identified during 2008 Site inspections.

During the October 2007 inspection, cracks and depressions were observed in the northern portion of the Site asphalt paved areas. These deficiencies were noted and Corrective Action was recommended to repave the northern parking lot. **The entire northern parking lot was repaved with bituminous asphalt in August 2007 by AIKLER Asphalt Pavement Company, Inc. of the Bronx, New York.** Observations made by CONECO on December 13, 2007 found the deficient areas of the northern asphalt paved parking lot were corrected by the new pavement.

The entire south parking lot was repaved with bituminous asphalt in spring 2008 by AIKLER Asphalt Pavement Company. Small cracks in the driveway areas on the western side of the Site observed in October 2007 were sealed in the spring of 2008 and no cracks were observed during the semi-annual inspections performed in June and November 2008.

Corrective Action:

No Corrective action was recommended.

Landscaped Areas

Observed Problem Areas:

No problem areas and/or deficiencies were observed in the landscaped areas across the entire Site during the 2008 June and November semi-annual inspections. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

Vegetative Slopes along Southern Berm

Observed Problem Areas:

No problem areas and/or deficiencies were observed along both the north and south side of the Southern Berm during the June and November semi-annual inspections performed in June and November 2008. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

It is CONECO Engineers and Scientists (CONECO) opinion that the Site Engineering Controls for the year 2007 are in place and effective.

If you have any questions or require additional information, please contact the undersigned at (860) 659-8558.

Sincerely,
Coneco Engineers & Scientists

Michael C. Feldman
Principal/Senior Engineer

Cc: David Crosby, Project Manager, NYDEC
Gerrit Blauvelt, W&M Properties, Inc, Director Property Management.
Patrick Philbin, W&M Properties, Inc., Property Manager.

FIGURES:

Figure 1-1: Site Locus Plan ..... **Tab 1**

Figure 1-2: Site Plan ..... **Tab 2**

ATTACHMENTS:

Appendix A: Remedy Inspection Forms ..... **Tab 3**

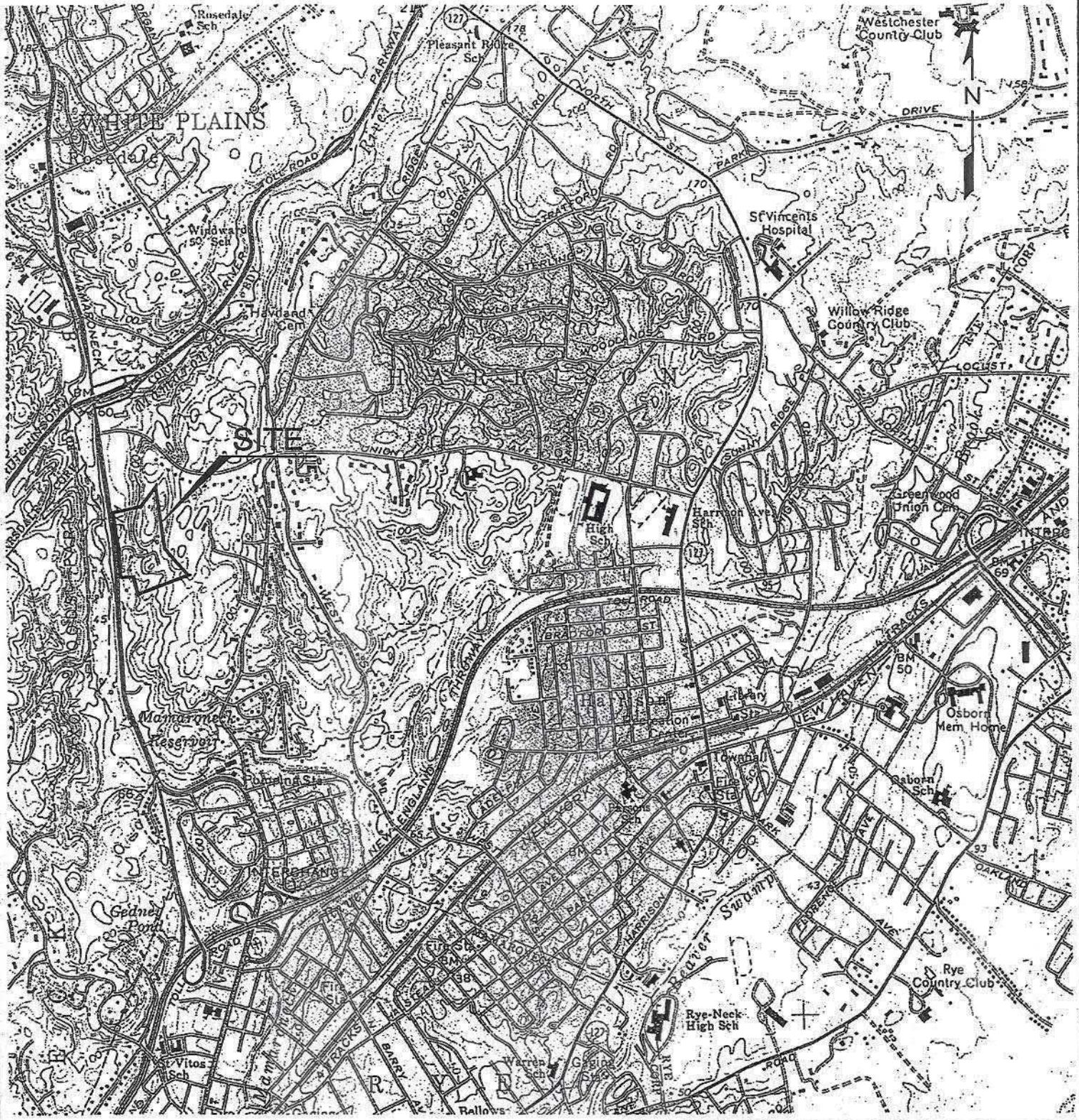
Appendix B: Site Photographs ..... **Tab 4**

Voluntary Agreement (Index No. W3-0851-99-05) ..... **Tab 5**

Enclosure 1: NYDEC Site Management Periodic Review Report Notice Institutional & Engineering Controls Certification Form **Tab 6**

C873W&M2nd

FIGURES



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.–CONNECTICUT, 1967

TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

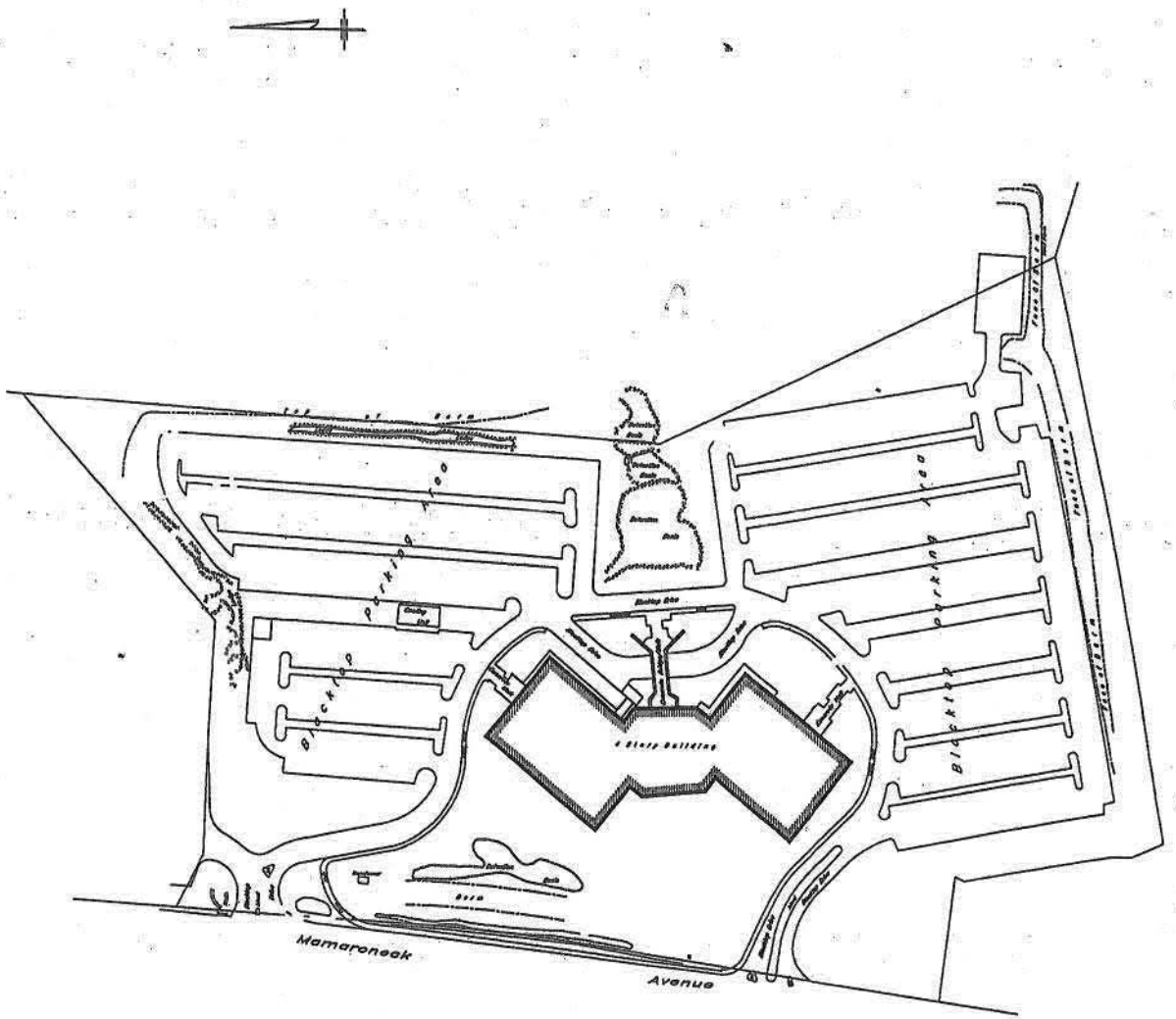
PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	1–1

DRAWN:	JOB NO.:	FILE NAME:	DATE
Y.S.	X8101.00	X810100025	10/08/02



0 160' 320'

APPROXIMATE GRAPHIC SCALE

TITLE

SITE PLAN
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN	JOB NO.	FILE NAME	SCALE	DATE	FIGURE
R.J.R.	X8101.00.01	X8101007r14	GRAPHIC	5/29/02	1-2

SITE REMEDY INSPECTION FORM

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: 05/14/2008

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☒	☐	☒
Is there any surface water ponding on the asphalt cover?	☒	☐	☐
Is there any evidence of settlement?	☐	☒	☐

Specify Correction Actions Needed:
South side cracks scheduled to be filled out.

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☒	☐
Are there any erosion rivulets?	☐	☒	☐
Is there evidence of any washouts or soil slides?	☐	☒	☐

Specify Correction Actions Needed:

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any extensive visible bare spots?	☐	☒	☐
Are there any erosion rivulets?	☐	☒	☐
Is there evidence of any washouts or soil slides?	☐	☒	☐

Specify Correction Actions Needed:

cc: Managing Office

Attach a copy of Figure 1-1

05/14/2008
Robert Osteen

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: 11/14/08

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☒	☐
Is there any surface water ponding on the asphalt cover?	☐	☒	☐
Is there any evidence of settlement?	☐	☒	☐

Specify Correction Actions Needed:
Cracks on south side of parking lot were filled out.

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☒	☐
Are there any erosion rivulets?	☐	☒	☐
Is there evidence of any washouts or soil slides?	☐	☒	☐

Specify Correction Actions Needed:

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any extensive visible bare spots?	☐	☒	☐
Are there any erosion rivulets?	☐	☒	☐
Is there evidence of any washouts or soil slides?	☐	☒	☐

Specify Correction Actions Needed:

cc: Managing Office

Attach a copy of Figure 1-1

11/14/2008
Norbert Ostarevich

DRAFT

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: June 14, 2008

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☑	☐
Is there any surface water ponding on the asphalt cover?	☐	☑	☐
Is there any evidence of settlement?	☐	☑	☐

Specify Correction Actions Needed:
Northern Paved Parking Lot repaved August 2007
Southern Paved Parking Lot repaved Spring 2008

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
All Landscaped Areas in excellent condition

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:

cc: Managing Office

Attach a copy of Figure 1-1

Conaco Engineers + Scientists
Michael C. Feldman
Principal / Senior Engineer
6/14/08

DRAFT

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: November 14, 2008

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☑	☐
Is there any surface water ponding on the asphalt cover?	☐	☑	☐
Is there any evidence of settlement?	☐	☑	☐

Specify Correction Actions Needed:

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:

cc: Managing Office

Attach a copy of Figure 1-1

Conoco Engineers + Scientists
Michael C. Feldman
MICHAEL C. FELDMAN
Principal / Senior Engineer
11/14/08

SITE PHOTOGRAPHS

Northern Parking Lot, Paved August 2007, Excellent Condition.

Catch Basin Repaired, Northern Parking Lot.

Northwest Landscaped area, Excellent Condition.

North Parking Area, Paved Aug. 2007, Excellent Condition, View looking North.

Sealed Pavement Cracks, Western Driveway, Repaired Spring 2008.

Spring 2008 Repaved Pavement, Southwest corner of Site.

Southern Berm, Excellent Condition, View looking West.

Southern Berm, View looking East.

Sealed Pavement Cracks, Southwest Driveway, Repaired Spring 2008.

South Parking Lot, Repaved Spring 2008, Excellent Condition, View looking North.

VOLUNTARY AGREEMENT (Index No. W3-0851-99-05)

New York State Department of Environmental Conservation
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway, Albany, New York 12233-1500
Phone: (518) 402-2794 • **FAX:** (518) 402-8541
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

500 Mamaroneck Avenue Associates
% Schluman Realty
500 Mamaroneck Avenue
Harrison, New York 10525

Re: 500 Mamaroneck Ave. VCP Site No. V00213,
Mamaroneck Avenue Associates ("Volunteer"),
Agreement Index No.W3-0851-99-05

Attention: Douglas A. Ramsay

Release and Covenant Not to Sue

Unless otherwise specified in this letter, all terms used in this letter shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates ("Volunteer"), Index No.W3-0851-99-05 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's Work Plan, covering the remediation of the Site, located at 500 Mamaroneck Avenue in the Town of Harrison, State of New York, Tax Map Tax Block, 482 and lot no. 8, has been successfully implemented.

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer, Volunteer's partners and Volunteer's insurer to the extent of Volunteer's liability at the Site, and Volunteer's lessees and sublessees and Volunteer's successors and assigns and their respective secured creditors, for the further investigation and remediation of the Site, and for natural resources damages, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate notices and deed restrictions have been recorded in accordance with Paragraphs IX and X of the Agreement, and (c) Volunteer and/or Volunteer's lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any. Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to any further investigation or remedial action the Department deems necessary:

- due to off-Site migration of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of the Work Plan disclosed the existence or potential existence of such off-Site migration;

- due to environmental conditions related to the Site that were unknown to the Department at the time of its approval of the Work Plan which indicate that Site conditions are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to information received, in whole or in part, after the Department's approval of the final engineering report, which indicates that the activities carried out in accordance with the Work Plan are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to Volunteer's failure to implement the Agreement to the Department's satisfaction; or

- due to fraud committed, or mistake made, by Volunteer in demonstrating that the Site-specific cleanup levels identified in, or to be identified in accordance with, the Work Plan were reached.

Additionally, the Department and the Trustee hereby reserve all of their respective rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to:

- Volunteer if Volunteer causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination; or if Volunteer causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to

- any of Volunteer's lessees, sublessees, successors, or assigns who causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination, after the effective date of the Agreement; who causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; or who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in Subparagraph I.G of the Agreement and in this letter, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

- nothing contained in this letter shall prejudice any rights of the Department or Trustee to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination or Covered Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

ALEXANDER B. GRANNIS, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION AND
TRUSTEE OF NEW YORK STATE'S
NATURAL RESOURCES

By: _____
Deborah Christian, Acting Chief
Bureau of Superfund and Brownfield Restoration

DC/mjl:264240

ENCLOSURE 1:
NYDEC SITE MANAGEMENT PERIODIC REVIEW NOTICE INSTITUTIONAL and ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00213**

Site Name **500 Mamaroneck Avenue**

Site Address: 500 Mamaroneck Avenue Zip Code: 10528

City/Town: Harrison

County: Westchester

Current Use:

Intended Use: Industrial

Verification of Site Details **Box 2**

	YES	NO
1. Are the Site Details above, correct?	☑	☐
If NO, are changes handwritten above or included on a separate sheet?	☐	
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment since the initial/last certification?	☐	☑
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	
3. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property since the initial/last certification?	☐	☑
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	
4. Has a change-of-use occurred since the initial/last certification?	☐	☑
If YES, is documentation or evidence that documentation has been previously submitted included with this certification?	☐	
5. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in the Qualitative Exposure Assessment for offsite contamination are no longer valid ?	☐	☑
If YES, is the new information or evidence that new information has been previously submitted included with this Certification?	☐	
6. For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years) ?	☑	☑
If NO, are changes in the assessment included with this certification?	☐	

SITE NO. V00213

Box 3

Description of Institutional Control	Control Certification YES	NO
W&M Properties of Connecticut, Inc		
500 Mamaroneck Avenue		
Deed Restriction		
S_B_L Image:		
Ground Water Use Restriction	☑	☐
Soil Management Plan	☑	☐

Box 4

Description of Engineering Control	Control Certification YES	NO
W&M Properties of Connecticut, Inc		
500 Mamaroneck Avenue		
Deed Restriction		
S_B_L Image:		
Cover System	☑	☐

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable. (Also see instructions)

Control Description for Site No. V00213

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Control Certification Statement

For each Institutional or Engineering control listed above, I certify by checking "Yes" that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(d) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control.

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

IC/EC CERTIFICATIONS
SITE NO. V00213

Box 5

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Gerrit Blauvelt Sr at 200 First Stamford Pl. Stamford CT 06902
print name print business address

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner or Remedial Party Rendering Certification — Date: 11/18/08

Box 6

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I certify that all information and statements in Box 4 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at Coneco Engineers & Scientists Corp. 90, National Drive, Glastonbury, CT 06033
print name print business address

am certifying as a Qualified Environmental Professional for the _____

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification — Stamp (if Required) — Date: 11/18/08

CONECO
Engineers & Scientists

RECEIVED
FEB 06
Remedial Bureau C
Div of Environmental Remediation

LETTER OF TRANSMITTAL

To: **New York Department Environ. Conservation**
David Crosby, Project Manager
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

DATE: February 3, 2014	**JOB NO.: C1525**
ATT: David Crosby	
RE: 500 Mamaroneck Ave, Harrison, NY	

We Are Sending You:

- [X] Attached
- [ ] Under Separate Cover via:
- [ ] Prints
- [ ] Plans
- [ ] Samples
- [ ] Specifications
- [ ] Copy of Letter
- [ ] Change Order
- [ ] Shop Drawings
- [ ] Other (explain):

Copies	Date	No.	Description
1	**Jan. 31, 2014**	**C1525**	**Periodic Review Report, VCP Site No. V00213** **500 Mamaroneck Avenue, Harrison, NY**

These Are Transmitted (as checked below):

- [ ] For Approval
- [ ] Approved
- [ ] Resubmit
- ____ Copies for Approval
- [ ] For Your Use
- [ ] Approved as Corrected
- [ ] Submit
- ____ Copies for Distribution
- [X] As Requested
- [ ] Revise & Resubmit
- [ ] Return
- ____ Corrected Prints
- [ ] For Review & Comment
- [ ] Returned After Loan to Us
- [ ] For Bids Due
- _____

Remarks:

Copy To: File

Signed: _____
Michael C. Feldman Principal/Senior Engineer

CONECO
Engineers & Scientists

January 31, 2014
CONECO Project No. C1525

New York State Department of Environmental Conservation
David Crosby, Project Manager
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway
Albany, New York 12233-1500

RECEIVED
Remedial Bureau C
Div. of Environmental Remediation

Re: **Periodic Review Report**
Agreement Index No. W3-0851-99-05
VCP Site No. V00213
Commercial Property: 500 Mamaroneck Avenue, Harrison, NY

David Crosby:

On behalf of Empire State Realty Trust (ESRT), Coneco Engineers & Scientists (CONECO) is please to submit this **Periodic Review Report** for the property located at 500 Mamaroneck Avenue in Harrison, New York, hereinafter referred to as the "Site".

In accordance with the terms of the Voluntary Agreement, Attachment C, entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates (the "Volunteer") now identified as Empire State Realty Trust (ESRT), and as part of the Site Remedy the NYDEC requires that sites in active State Management (SM) require the submittal of a Periodic Progress Report which includes an inspection and certification be provided, stating that the Site engineering controls are in place and effective.

The Site Remedy contained in the Remedial Action Plan Final Report (Report) prepared by Environmental Resources Management dated January 2005, and submitted to the NYDEC and approved by the NYDEC, consists of institutional and engineering controls. The engineering controls consist of the existing asphalt parking lots and landscaping and vegetative cover over the "southern berm" and the "northwest section." The engineering controls, specifically the existing asphalt pavement, acts as a protective barriers to ensure no direct exposure to residual lead and polyaromatic hydrocarbons (PAHs) in the historical underlying fill material associated with the formed Harrison Incinerator, which operated at the Site from approximately 1954 to 1980.

The Site Management Plan of the Report includes a Soil Management Plan, which ensures that engineering controls including the existing asphalt paved parking lots and vegetative cover are in place, maintained and effective in preventing direct contact by workers and/or occupants of the Site building, with the historical impacted fill material located beneath the asphalt pavement and vegetative areas designated in the Remedial Action Plan.

SITE DESCRIPTION:

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000-feet south of Union Avenue in Harrison, Westchester County, New York. The approximately 34.5-acre Site, roughly rectangular in shape, is improved with a five-story office building, and has

approximately 985-feet of frontage along Mamaroneck Avenue. A Site Locus Plan and Site Plan are attached as Figure 1 and Figure 2, respectively.

Approximately 14-acres of the Site have been improved with an office building having a footprint of 1.5-acres, 9-acres of bituminous asphalt paved parking areas (north and south of the Site structure), and an undeveloped portion of the Site to the east which serves as a "buffer area" for adjacent residential properties. The Site is services by municipal water and sewer.

PERIODIC INSPECTION:

CONECO completed the Site inspection of the entire Site on December 29, 2013. CONECO's inspection included all exterior portions of the Site. Weather conditions on the day of the inspection were cloudy with temperatures in the 40s. The Site was traversed on foot to identify any evidence of deterioration of the existing ***engineering controls*** including the entire asphalt paved parking lots and driveways, landscaped areas throughout the Site, and the "Southern Berm". Site photographs of the ***engineering controls*** at the Site are included as Attachment B.

In addition to the December 29, 2013 Periodic Inspection of the Site, daily inspections of the engineering controls are performed by the Site Building Engineer and his staff, to ensure that engineering controls are operating as designed. These daily inspections are performed by ESRT Building Engineer Norbert Ostaszewski. In the event that an engineering control deficiency is identified during the daily inspections, the deficiency is reported and immediately resolved.

Since 2009, the only engineering control deficiencies have included minor cracks or deterioration of the asphalt paved surfaces. ESRT renews an annual contract with an asphalt paving company, AIKLER Asphalt Pavement Company, Inc. of the Bronx, New York for the repair of the asphalt paved surfaces.

Asphalt Pavement

Observed Problem Areas:

During the December 29, 2013 inspection, three (3) deficient areas were identified in the northern portion of the Site asphalt paved parking lot. Photographs of the deficiencies are provided in the Site Photographs, Attachment B.

Area 1: At the southeast corner of the southern parking lot, CONECO observed an area approximately 10-feet long and 18-inches wide where the top layer of asphalt has deteriorated. The base course of asphalt in this area is intact acting as a protective barrier to ensure no direct exposure to underlying fill material. Corrective Action to this area will be performed in the Spring of 2014, by replacing the top course of asphalt pavement.

Area 2: At the south end of Parking Lane 6, located on the south side of the Site building, CONECO observed an approximately 3-foot diameter deteriorated section of the asphalt paved parking lot. The top course of asphalt is in pieces and some has washed away. The base course of asphalt in this area is intact acting as a protective barrier to ensure no direct exposure to underlying fill material. Corrective Action to this area will be performed in the Spring of 2014, by replacing the top course of asphalt pavement

Area 3: At the middle of Parking Lane 1, located on the south side of the Site building, CONECO observed an approximately 2-foot diameter depression in the asphalt. This area has been patched to prevent further deterioration. The asphalt in the depression is intact acting as a protective barrier to ensure no direct exposure to underlying fill material.

Corrective Action to this area will be performed in the Spring of 2014, by filling the depression, approximately 3-inches deep, and replacing the asphalt pavement.

Small cracks in the driveway areas, both north and south sides, and throughout the Site parking lots were observed to have been sealed, evidence of routine inspection and repair. No open cracks were observed on any portion of the Site paved parking lot during the Periodic Inspection performed by CONECO on December 29, 2013.

Corrective Action:

Corrective Action will be performed on the three (3) above identified areas, **(Area 1, Area 2, and Area 3)** in the Spring of 2014, by replacing the top course of asphalt pavement. No other Corrective action is recommended at this time.

Landscaped Areas

Observed Problem Areas:

No problem areas and/or deficiencies were observed in the **landscaped areas** across the entire Site during the December 29, 2013 Periodic Inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

Vegetative Slopes along Southern Berm

Observed Problem Areas:

No problem areas and/or deficiencies were observed along both the north and south side of the **Southern Berm** during the December 29, 2013 Periodic Inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

It is CONECO Engineers and Scientists (CONECO) opinion that the Site Engineering Controls for the Site, 500 Mamaroneck Avenue, NYDEC Site No. V00213 are in place and effective.

The Institutional &Engineering Controls Certification Form for the Site is attached to this report as Attachment A.

The Remedy Inspection Form for the Site completed on December 29, 2013 is attached to this report as Attachment B.

If you have any questions or require additional information, please contact the undersigned at (860) 659-8558.

Sincerely,
Coneco Engineers & Scientists

Michael C. Feldman
Principal/Senior Engineer

Cc: Patrick Philbin, W&M Properties, Inc., Property Manager.

FIGURES:

Figure 1-1: Site Locus Plan

Figure 1-2: Site Plan

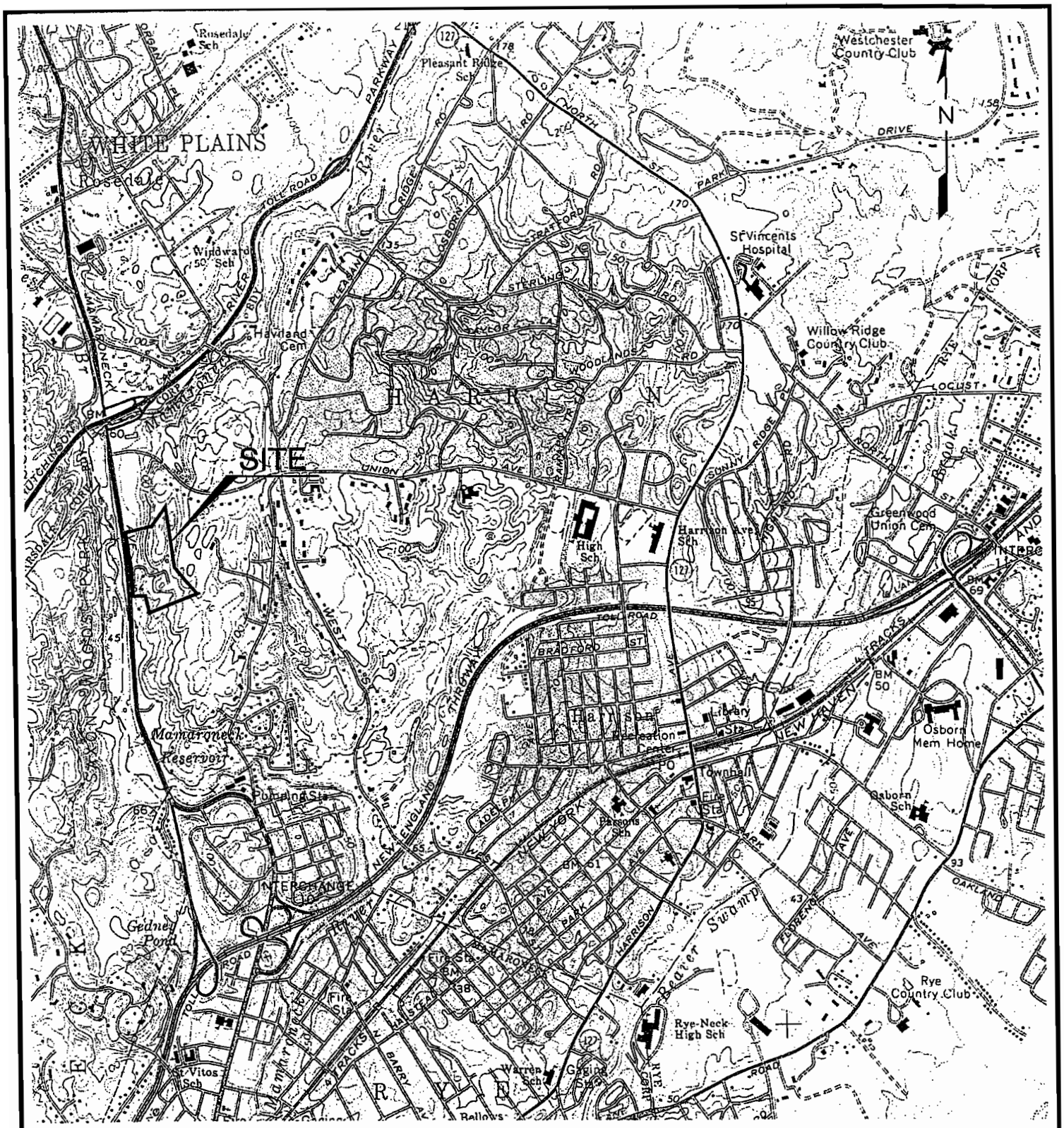
ATTACHMENTS:

Attachment A: Institutional &Engineering Controls Certification Form **Tab 1**

Attachment B: Remedy Inspection Form ..... **Tab 2**

Attachment C: Site Photographs ..... **Tab 3**

FIGURES



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.-CONNECTICUT, 1967

TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

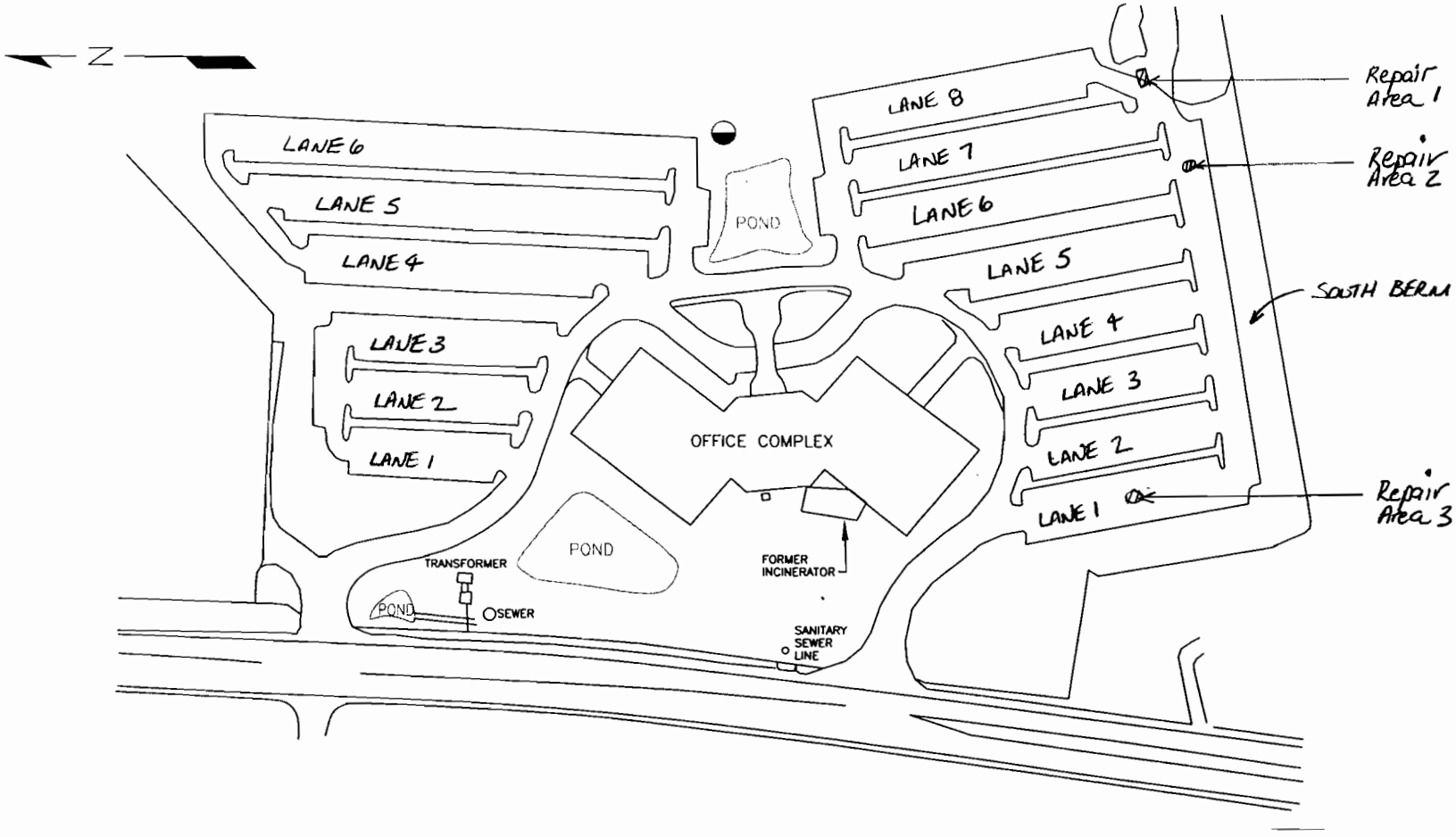
PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	1-1

DRAWN:	JOB NO.:	FILE NAME:	DATE
Y.S.	X8101.00	X810100025	10/08/02



TITLE

SITE PLAN
500 Mamaroneck Avenue

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM
Environmental Resources Management

DRAWN	JOB NO.	FILE NAME	SCALE	FIGURE
G.G.	X8101.00.01	14540003	1"=120'	2
			DATE 11/1/99	

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00213

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: September 15, 2007 to November 04, 2013

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☑
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

2/3/14
Date

SITE NO. V00213 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	Cover System
482-8-26.1	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

   YES ☑ NO ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

   YES ☑ NO ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Patrick Jerry Phillips
Signature of Owner, Remedial Party or Designated Representative

2/3/14
Date

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Patrick George Philbin (print name) at Empire State Realty Trust SO:MAMARONECK, LLC (print business address) One Station Place, Stamford, CT 06901

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

Date 2/3/14

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at Conesco Engineers & Scientists Corp.
print name print business address
90 National Drive, Glastonbury, CT 06033
am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

Michael C. Feldman
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

1/29/2014
Date

REMEDY INSPECTION FORM

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: December 24, 2013

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☑	☐
Is there any surface water ponding on the asphalt cover?	☐	☑	☐
Is there any evidence of settlement?	☑	☐	☑

Specify Correction Actions Needed:
Three areas identified, Area 1: southeast corner of south parking lot. 10'x10' area. Area 2: south end of parking lane # 6 3'ø area. Both Area 1 & 2 top layer of asphalt deteriorated, needs to be replaced. Base layer of asphalt intact, preventing exposure to fill beneath. Area 3: Parking Lane 1, south side of site building. 1'ø depression 4".

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
Landscaped Areas very good condition

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
vegetative slope in very good condition.

cc: Managing Office

Attach a copy of Figure 1-1

MICHAEL C. FELDMAN
CONTECH ENGINEERS + SCIENTISTS
12/24/13

SITE PHOTOGRAPHS

Southeast corner of parking lot, top layer pealing (10-feet by 18-inches), base layer intact, to be repaired in Spring 2014.

Southern Berm area in very good condition, no erosion observed.

Parking Lane 8, southern upper parking lane observed to be in very good condition.

View looking west along southern edge of asphalt parking lot. One area to be repaired see next page, no other cracks or erosion observed.

3-foot diameter repair area at south end Parking Lane 6, south side building, to be repaired in Spring 2014. Base layer intact.

Parking Lane 3, south side building, in very good condition no repairs.

Southwestern Berm in very good condition, no repairs.

Parking Lane 2, south side building, very good condition no repairs.

Parking Lane 1, south side of building, very good condition with one repair see below.

Parking Lane 1, south side building, approximately 2-foot diameter sink-hole, base layer intact, repair in Spring 2014.

Southeastern Berm, very good condition, no erosion.

Southwestern corner of Site, very good condition no repairs.

Driveway along south side of building, very good condition.

Pond area, very good condition no erosion.

Parking Lane 6, north side of building, very good condition.

Parking Lane 5, north side of building, very good condition.

Parking Lane 4, north side of building, very good condition.

Parking Lane 3, north side of building, very good condition.

Driveway on north side of building, very good condition.

Landscaped area west of building, very good condition, no erosion.

RECEIVED
DEC 17 2018
Remedial Bureau C

PERIODIC REVIEW REPORT

500 MAMARONECK AVENUE: VCP SITE NO. V00213
HARRISON, NEW YORK

Submitted To:

William Bennett, Project Manager
New York State Department of Environmental Conservation
Division of Environmental remediation, BURC
625 Broadway
Albany, NY 12233-7014

Prepared By:

Coneco Engineers & Scientists
90 National Drive
Glastonbury, CT 06033

December 11, 2018

CONECO PROJECT NO. C873 ESRT

CONECO
Engineers & Scientists

Civil Design & Land Planning
Surveying
Geotechnical Engineering
Environmental Consulting
Regulatory Compliance & Permitting

December 11, 2018
CONECO Project No. C873 ESRT

William Bennett, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, New York 12233-7014

Re: **Periodic Review Report**
Agreement Index No. W3-0851-99-05
VCP Site No. V00213
Commercial Property: 500 Mamaroneck Avenue, Harrison, NY

William Bennett:

On behalf of 500 Mamaroneck Avenue, L.P. and Viviane Paris, LLC, Coneco Engineers & Scientists (CONECO) is please to submit this Periodic Progress Report (PPR) for the property located at 500 Mamaroneck Avenue in Harrison, New York, hereinafter referred to as the "Site". The Site is in active Site Management (SM) and is required by NYDEC to submit a PPR documenting the implementation of, and compliance with, site-specific SM requirements.

After NYDEC reviewed the PPR and IC/EC Certification annual reports for the Site submitted by CONECO on September 15, 2007 to November 4, 2013, NYDEC extended PPR and IC/EC submittals to every 5-years. The original date for this submittal was December 4, 2018. On November 26, 2018, CONECO requested a schedule extension, which was granted by NYDEC with the PRP due by January 31, 2019.

In accordance with the terms of the Voluntary Agreement, Attachment C, entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates (the "Volunteer"), and as part of the Site Remedy the NYDEC requires that an annual inspection and certification be provided, stating that the Site engineering controls are in place and effective.

The Site Remedy contained in the Remedial Action Plan Final Report (Report) prepared by Environmental Resources Management dated January 2005, and submitted to the NYDEC and approved by the NYDEC, consists of institutional and engineering controls. The engineering controls consist of the existing asphalt parking lots and landscaping and vegetative cover over the "southern berm" and the "northwest section."

The engineering controls, specifically the existing asphalt pavement, acts as a protective barrier to ensure no direct exposure to residual lead and polyaromatic hydrocarbons (PAHs) in the historical underlying fill material associated with the formed Harrison Incinerator, which operated at the Site from approximately 1954 to 1980.

The Site Management Plan of the Report includes a Soil Management Plan, which ensures that engineering controls including the existing asphalt paved parking lots and vegetative cover are in place, maintained and effective in preventing direct contact by workers and/or occupants of the Site building, with the historical impacted fill material located beneath the asphalt pavement and vegetative areas designated in the Remedial Action Plan.

SITE DESCRIPTION:

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000-feet south of Union Avenue in Harrison, Westchester County, New York. The approximately 34.5-acre Site, roughly rectangular in shape, is improved with a five-story office building, and has approximately 985-feet of frontage along Mamaroneck Avenue. A Site Locus Plan and Site Plan are attached as Figure 1 and Figure 1-1, respectively.

Approximately 14-acres of the Site have been improved with an office building having a footprint of 1.5-acres, 9-acres of bituminous asphalt paved parking areas (north and south of the Site structure), and an undeveloped portion of the Site to the east which serves as a "Buffer Zone" for adjacent residential properties. The Site is services by municipal water and sewer.

ANNUAL CERTIFICATION:

As part of this **Annual Certification**, CONECO Senior Project Engineer, Michael Feldman, and Empire State Realty Trust (ESRT) Building Engineer, Norbert Ostaszewski, have performed inspection of the Site.

Mr. Ostaszewski and Mr. Feldman performed Site inspection on December 10, 2018.

For this Site inspections a Remedy Inspection Form (Table 8-2) as contained in the Remedial Action Work Plan dated January 2005, prepared by ERM, and approved by the NYDEC on May 5, 2005, (see Attachment 3).

In addition, Site photographs of the ***engineering controls*** at the Site including the asphalt paved parking areas, landscaped areas, Southern Berm and eastern Buffer Zone are included as Attachment B.

Semi-annual inspections performed by the Site Building Engineer and his staff, daily inspections are performed to ensure that there are no problems with the engineering controls at the Site including the asphalt paved parking areas, landscaped areas, and Southern Berm. These daily inspections are performed by Building Engineer Norbert Ostaszewski, or one or more of his staff.

ENGINEERING CONTROLS

Asphalt Pavement

Observed Problem Areas:

No significant problem areas were identified during December 10, 2018 Site inspection.

Historically the entire north parking lot was repaved with bituminous asphalt in August 2007, and the entire south parking lot was repaved with bituminous asphalt in spring 2008.

Both the north and south driveways into the Site were repaved with a 2-inch layer of bituminous asphalt in June/July 2018.

During the performance of the December 10, 2018 Site inspection, CONECO noticed several areas across the asphalt paved parking areas where small cracks have developed do to weathering. CONECO observed that these small cracks were in the top layer of asphalt only and did not penetrated into the base layer of asphalt. Therefore, no areas of soil exposure were observed.

Corrective Action:
At this time no corrective actions are recommended. According to the Site Engineer, Norbert Ostaszewski, the entire south parking lot is scheduled to be repaved in the spring/summer of 2019. At the time that the south parking lot is repaved, the north parking lot cracks are planned to be repaired. In addition, the entire north parking lot is scheduled to be paved in the spring/summer of 2020.

Landscaped Areas
Observed Problem Areas:
No problem areas and/or deficiencies were observed in the landscaped areas across the entire Site during the December 10, 2018 Site inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:
No Corrective action was recommended.

Vegetative Slopes along Southern Berm

Observed Problem Areas:
No problem areas and/or deficiencies were observed along both the north and south side of the Southern Berm during the December 10, 2018 Site inspections. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:
No Corrective action was recommended.

External Buffer Zone

At the time the Site was developed with the existing office building and associated asphalt paved parking lots and landscaped areas, the Harrison Board of Zoning required that approximately 20-acres of the Site be set aside as buffer between the office building and adjoining residences to the east. Therefore the "Eastern Buffer Zone" was established. This buffer zone consists of heavily wooded land and a seasonal pond located on the eastern portion of the Site, abutting the asphalt paved parking areas.

CONECO traversed the buffer zone on foot to verify that no development or changes to the landscape have occurred. At the time of the Site inspection performed on December 10, 2018, the buffer zone was observed to remain undeveloped and unchanged since the last Site inspection performed in 2008.

Corrective Action:
No Corrective action was recommended.

It is CONECO Engineers and Scientists (CONECO) opinion that the Site Engineering Controls for the year 2018 are in place and effective.

If you have any questions or require additional information, please contact the undersigned at (860) 659-8558.

Sincerely,
Coneco Engineers & Scientists

Michael C. Feldman
Principal/Senior Engineer

Cc: Clara L. Sanchez, RPA, Project Manager, Empire State Realty Trust, Inc.

FIGURES:

Figure 1: Site Locus Plan

Figure 1-1: Site Plan

ATTACHMENTS:

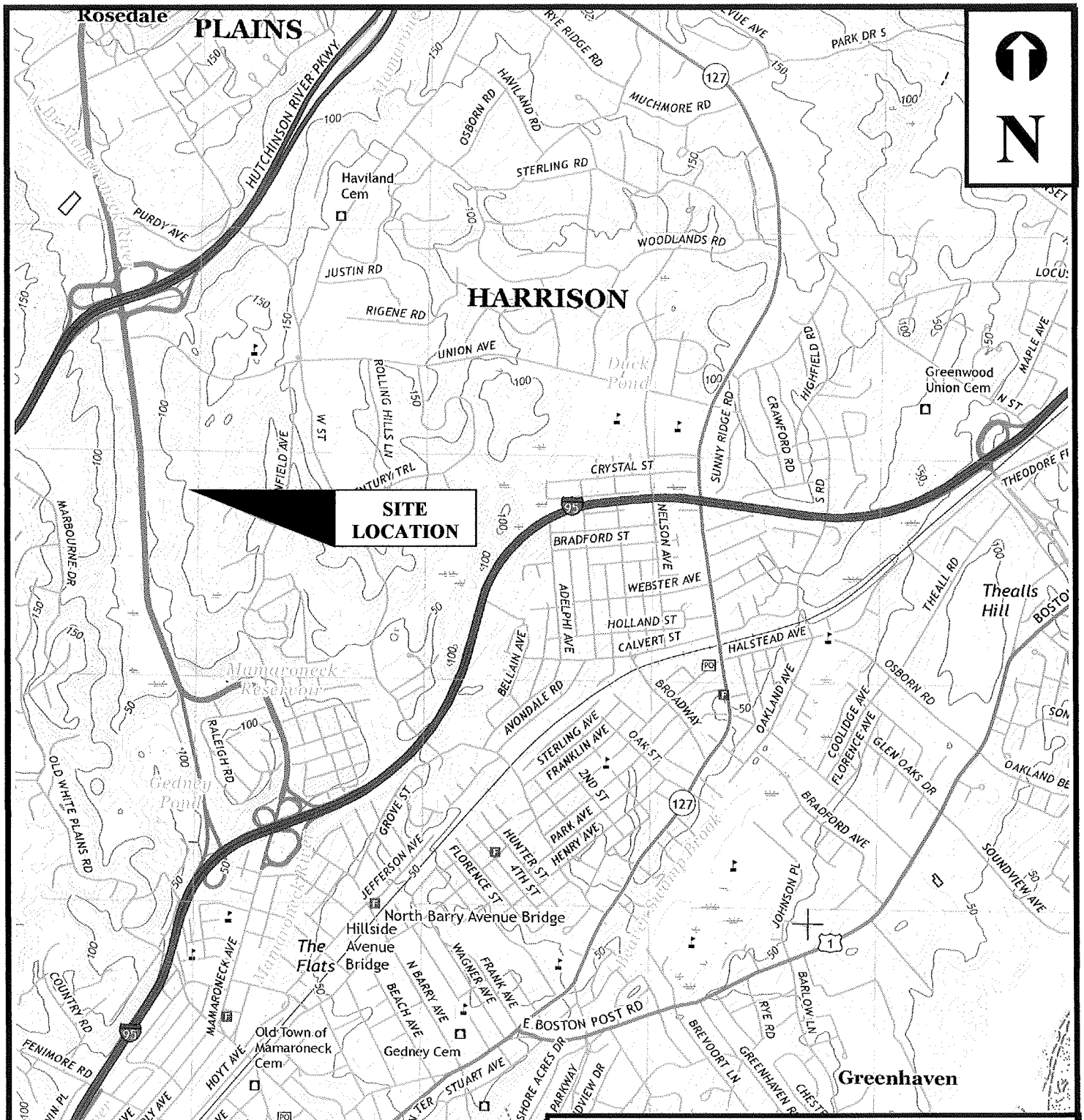
Attachment A: Table 8-2 Remedy Inspection Form ..... Tab 1

Attachment B: Site Photographs ..... Tab 2

Attachment C: Voluntary Agreement (Index No. W3-0851-99-05) ..... Tab 3

Attachment D: Enclosure 2: ..... Tab 4
NYDEC Site Management Periodic Review Report Notice
Institutional & Engineering Controls Certification Form

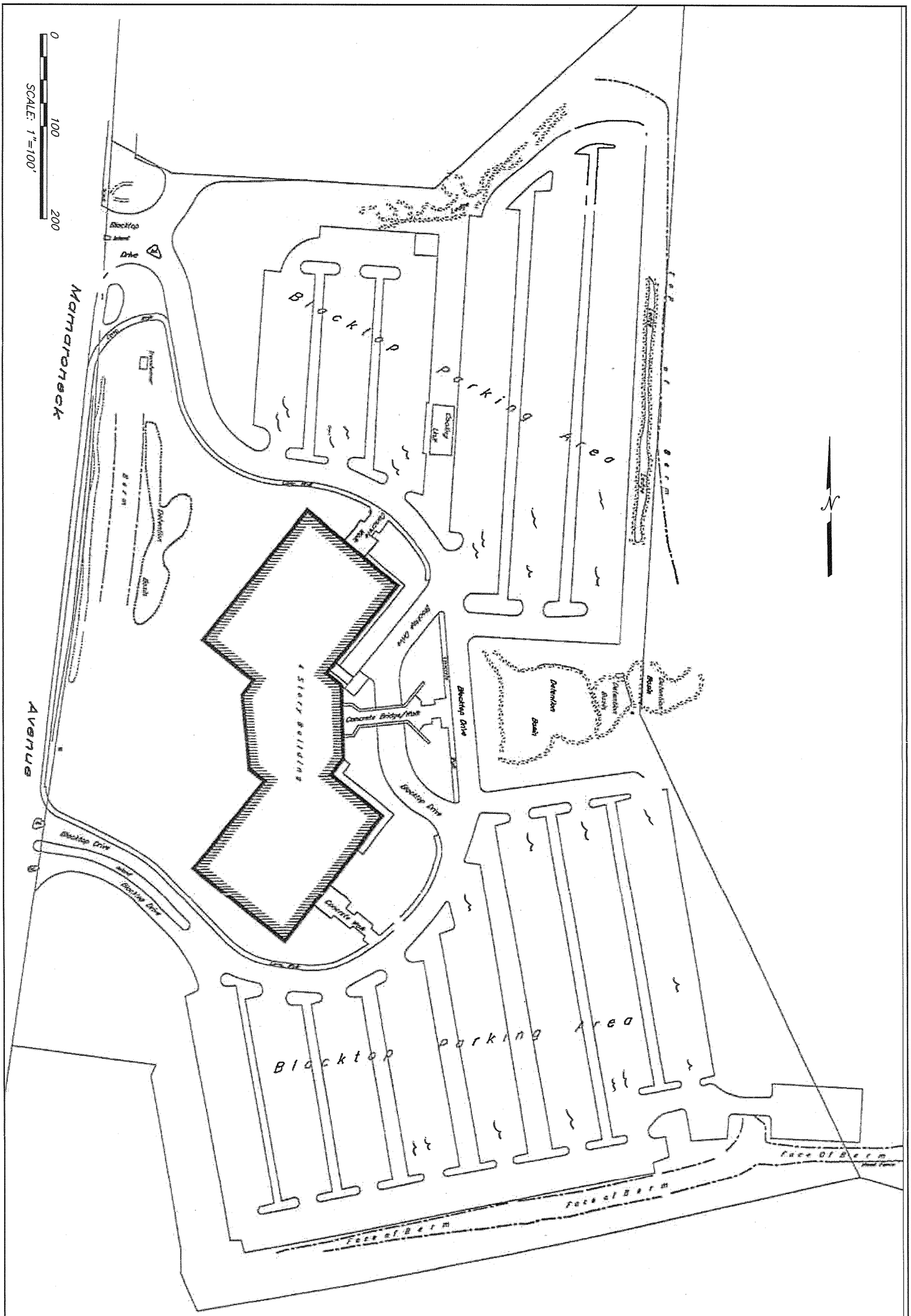
FIGURES



CONECO ENGINEERS & SCIENTISTS

Locus Plan
Office Building
500 Mamaroneck Avenue
Harrison, New York

FIGURE 1



CONECO
Engineers & Scientists

90 NATIONAL DRIVE, GLASTONBURY, CONNECTICUT (860) 659-8558

	DRAWN	CHECKED	APPROVED
BY	T.F.M.		
DATE	12/06/18		

SITE PLAN

OFFICE BUILDING
500 MAMARONECK AVENUE
HARRISON, NEW YORK

SCALE	PROJECT NO.	DRAWING NUMBER
1" = 100'	C 873	FIGURE 1-1

≈ small cracks in pavement

SITE REMEDY INSPECTION FORM

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: DECEMBER 10, 2018

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☑	☐	☐
Is there any surface water ponding on the asphalt cover?	☑	☐	☐
Is there any evidence of settlement?	☐	☑	☐

Specify Correction Actions Needed:
small cracks in the top course of asphalt were observed some have been filled with tar. No cracks go through the base course of asphalt. No soil was exposed, some ice has formed on asphalt in southeast corner of parking lot.

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
All grassed areas around Site Building are in very good condition. No erosion or washouts were observed for the entire Site.

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
NONE, Slopes and Berm in good condition

cc: Managing Office

Attach a copy of Figure 1-1

SITE PHOTOGRAPHS

500 Mamaroneck Avenue, Harrison, NY NYDEC Site No.: V00213.

Grassed area north of the north driveway into to Site, very good vegetative cover.

North driveway, excellent condition, paved summer of 2018.

Grassed area front of Site building, vegetative coved, very good condition.

1st row of asphalt paved parking North, small cracks in asphalt, none below top course.

3rd row of asphalt paved parking North, few cracks in asphalt, none below top course.

2nd row of asphalt paved parking North, small cracks in asphalt, none below top course.

4th row of asphalt paved parking North, several cracks in asphalt, none below top course.

5th row asphalt paved parking North, several cracks in asphalt, none below top course.

Typical crack in top layer of asphalt.

6th row asphalt paved parking North, small cracks in asphalt, none below top course.

Buffer Zone northeast corner of Site property.

Eastern Buffer Zone, pond.

Eastern Buffer Zone, view looking northeast.

South Driveway, view looking east. Paved in June 2018.

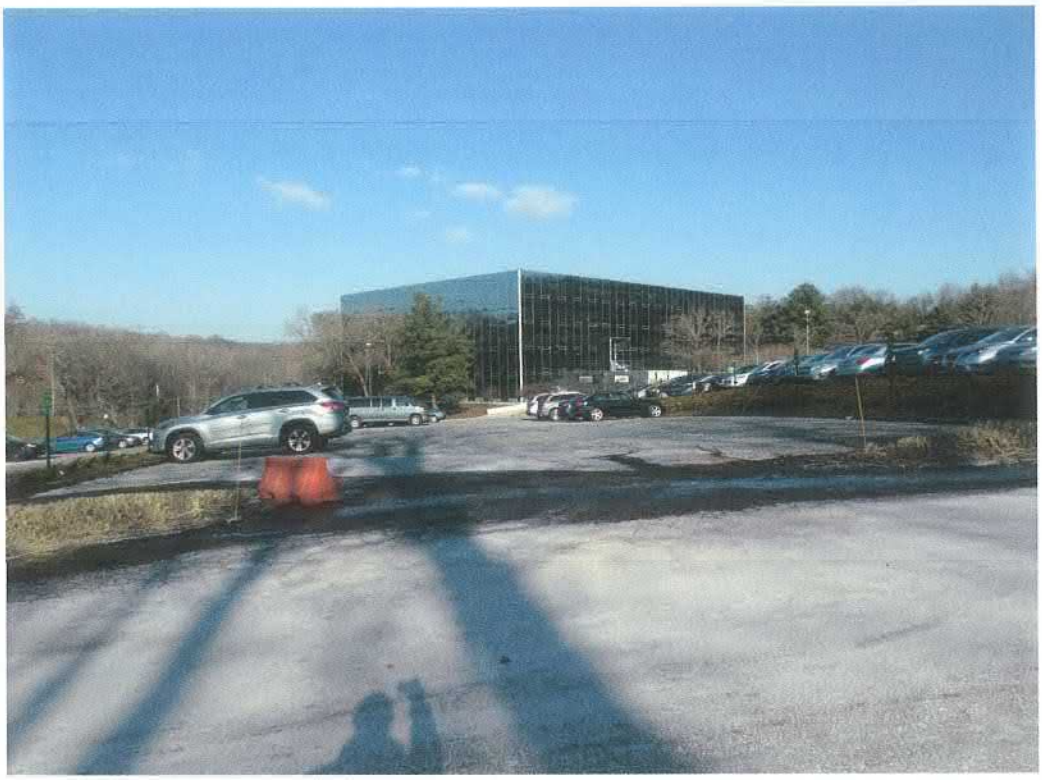
Vegetative cover, southwestern portion of Site, view looking north.

Drainage swale along Mamaroneck Ave., good condition no erosion.

1st row of asphalt paved parking South, small cracks in asphalt, none below top course.

Typical small cracks in 1st course of asphalt, none in 2nd course of asphalt pavement.

Southern Berm, vegetative cover, very good condition.



2nd row of asphalt paved parking South, small cracks in asphalt, none below top course.

South Berm, vegetative cover, good condition.

3rd row of asphalt paved parking South, small cracks in asphalt, none below top course.

4th row of asphalt paved parking South, small cracks in asphalt, none below top course.

South Berm, vegetative cover, very good condition.

5th row of asphalt paved parking South, small cracks in asphalt, none below top course.

6th row of asphalt paved parking South, small cracks in asphalt, none below top course.

Buffer Zone, Southeast portion of Site.

VOLUNTARY AGREEMENT (Index No. W3-0851-99-05)

New York State Department of Environmental Conservation
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway, Albany, New York 12233-1500
Phone: (518) 402-2794 • FAX: (518) 402-8541
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

500 Mamaroneck Avenue Associates
% Schluman Realty
500 Mamaroneck Avenue
Harrison, New York 10525

Re: 500 Mamaroneck Ave. VCP Site No. V00213,
Mamaroneck Avenue Associates ("Volunteer"),
Agreement Index No.W3-0851-99-05

Attention: Douglas A. Ramsay

Release and Covenant Not to Sue

Unless otherwise specified in this letter, all terms used in this letter shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates ("Volunteer"), Index No.W3-0851-99-05 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's Work Plan, covering the remediation of the Site, located at 500 Mamaroneck Avenue in the Town of Harrison, State of New York, Tax Map Tax Block, 482 and lot no. 8, has been successfully implemented.

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer, Volunteer's partners and Volunteer's insurer to the extent of Volunteer's liability at the Site, and Volunteer's lessees and sublessees and Volunteer's successors and assigns and their respective secured creditors, for the further investigation and remediation of the Site, and for natural resources damages, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate notices and deed restrictions have been recorded in accordance with Paragraphs IX and X of the Agreement, and (c) Volunteer and/or Volunteer's lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any. Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to any further investigation or remedial action the Department deems necessary:

- due to off-Site migration of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of the Work Plan disclosed the existence or potential existence of such off-Site migration;

- due to environmental conditions related to the Site that were unknown to the Department at the time of its approval of the Work Plan which indicate that Site conditions are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to information received, in whole or in part, after the Department's approval of the final engineering report, which indicates that the activities carried out in accordance with the Work Plan are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to Volunteer's failure to implement the Agreement to the Department's satisfaction; or

- due to fraud committed, or mistake made, by Volunteer in demonstrating that the Site-specific cleanup levels identified in, or to be identified in accordance with, the Work Plan were reached.

Additionally, the Department and the Trustee hereby reserve all of their respective rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to:

- Volunteer if Volunteer causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination; or if Volunteer causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to

- any of Volunteer's lessees, sublessees, successors, or assigns who causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination, after the effective date of the Agreement; who causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; or who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in Subparagraph I.G of the Agreement and in this letter, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

- nothing contained in this letter shall prejudice any rights of the Department or Trustee to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination or Covered Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

ALEXANDER B. GRANNIS, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION AND
TRUSTEE OF NEW YORK STATE'S
NATURAL RESOURCES

By: _____
Deborah Christian, Acting Chief
Bureau of Superfund and Brownfield Restoration

DC/mjl:264240

ENCLOSURE 1:
NYDEC SITE MANAGEMENT PERIODIC REVIEW NOTICE INSTITUTIONAL and ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

NEW YORK STATE

Site Details	Box 1

Site No. V00213

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: November 04, 2013 to November 04, 2018

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial OFFICE BUILDING	☐	☑
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

CONECO ENGINEERS & SCIENTISTS CORP.

Signature of Owner, Remedial Party or Designated Representative

DEC. 11, 2018

Date

SITE NO. V00213 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	
		Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	
		Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	
	Cover System
482-8-26.1	
	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative _____ Date _____

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at CONECO ENGINEERS & SCIENTISTS CORP.
print name print business address

am certifying as ENVIRONMENTAL ENGINEER FOR ESRT (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

CONECO ENGINEERS & SCIENTISTS CORP.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

DEC. 11, 2018
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at CONECO ENGINEERS & SCIENTISTS, CORP.,
print name print business address

am certifying as a Qualified Environmental Professional for the ESPT
(Owner or Remedial Party)

	CONECO ENGINEERS & SCIENTISTS, CORP	DEC. 11, 2018
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

FINAL REPORT

Approved by NYSDEC
5/11/05

500 Mamaroneck Avenue Associates

Remedial Action Work Plan
500 Mamaroneck Avenue
Harrison, New York

January 2005

0016447

ENVIRONMENTAL RESOURCES MANAGEMENT

Environmental Resources Management
475 Park Avenue South, 29th Floor
New York, NY 10016

ERM®

FINAL REPORT

500 Mamaroneck Avenue Associates

Remedial Action Work Plan
500 Mamaroneck Avenue
Harrison, New York

January 2005

0016447

Environmental Resources Management
475 Park Avenue South, 29th Floor
New York, NY 10016

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1.0 *INTRODUCTION AND PURPOSE*

This Remedial Action Work Plan (RAWP) has been prepared by Environmental Resources Management (ERM), on behalf of 500 Mamaroneck Avenue Associates (MAA), to describe the proposed remedy for impacted soil at the 500 Mamaroneck Avenue property (the Site). The RAWP is submitted for approval as the required Remediation Work Plan under Paragraph I.D.3 of the Voluntary Cleanup Agreement, Index #W3-0851-99-05 between the New York State Department of Environmental Conservation (NYSDEC) and MAA dated April 13, 2000 ("VCA").

This RAWP has been prepared in accordance with:

- NYSDEC Voluntary Cleanup Program Guide *Draft* (NYSDEC, May 2002);
- Voluntary Cleanup Agreement, Index #W3-0851-99-05 ("VCA"); and
- sound engineering practices.

The purpose of this RAWP is to describe the proposed remedy, and to demonstrate through an engineering analysis that the proposed remedy will achieve the cleanup goals (i.e., remedial action objectives or "RAOs") for the Site. The RAOs for the affected media are based upon established standards/guidelines that are applicable or relevant and appropriate requirements (ARAR) for the site, and on constituent concentrations that are protective of human health and the environment.

1.1 *SITE DESCRIPTION*

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000 feet south of Union Avenue in Harrison, Westchester County, New York. The Town of Harrison defines the Site as Block 482, Lot 8.

The approximately 34.5-acre Site, roughly rectangular in shape, is occupied by a five-story office building, and has approximately 985 feet of roadway frontage along Mamaroneck Avenue. A Site Location Map is included as Figure 1-1, and a Site Plan is included as Figure 1-2.

The U.S.G.S. topographic map (Mamaroneck, NY Quad, 1967, photo revised in 1975 (prior to site re-development) shows that the Site elevation ranges from approximately 60 feet above mean sea level (MSL) along Mamaroneck Avenue to 130 feet MSL at the eastern property line.

The elevation of the Site rises gradually throughout the northern and southern parking areas, and then is relatively level across the eastern boundary. A small seasonal wet area is located in the northeastern portion of the property, immediately east of the northern parking area. The wet area appears on the 1990 U.S. Department of the Interior Wetlands Inventory Map and is described as a Palustrine – Scrub/Shrub – Broad leaf – deciduous-seasonally flooded area. The area is not, however, shown on the 1987 New York State Fresh-Water wetlands map and is therefore not regulated by the NYSDEC.

Approximately 14 acres of the Site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas covering approximately nine acres and a building footprint of approximately one and a half acres. The remaining sections of the developed portion of the Site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

The topography and general Site features suggest that groundwater beneath the Site will flow west towards the Mamaroneck River, located approximately 200 feet west of the Site. The closest surface water body is the seasonal pond in the northeast corner of the Site.

According to the September 1994 General Geology Map of Putnam and Westchester Counties, New York, the bedrock beneath the Site consists of Harrison Gneiss. Bedrock outcrops are present along the eastern and southern sides of the property, and the depth to bedrock at the Site is as shallow as 2 feet below grade to not more than 15 feet below grade.

Potable water is obtained from the local municipal system, and the Site, therefore, does not have a drinking water well. A bedrock well supplies water to an operable decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

1.2 *SITE HISTORY*

The Site was previously occupied by the Town of Harrison municipal incinerator. Based on review of available aerial photographs, the Site appears undeveloped until 1954. In the 1954 aerial photograph, the incinerator is visible on the Site. From 1954 until 1980, there were no major changes at the Site; i.e., the incinerator appears in all of the aerial photographs.

The building construction for the current commercial office began in 1983, with tenant occupancy beginning around 1986. The 1986 aerial photograph shows the office building on the Site under construction. This agrees with Town records, which list the date of construction of the building as 1986.

Site topography has changed substantially as a result of the 1983 - 1986 construction activities. Approximately 340,000 cubic yards (cy) of soil and rock were removed during the office building development. Material was only removed from the portion of the Site that is closest to Mamaroneck Avenue.

In early 1999, the property was sold to 500 Mamaroneck Avenue L.P. and Viviane Paris, LLC.

1.3 *PREVIOUS INVESTIGATIONS*

Various investigations have been performed previously at the Site. The Site investigations, and the findings of these investigations, are summarized in detail in the April 2000 ERM Final Investigation Site Assessment Report and the June 2002 Supplemental Final Site Investigation Report.

A general summary of the previous investigations is presented below. The locations of samples collected at the Site are shown on Figure 1-3.

1.3.1 *Phase I & II Environmental Assessments*

Previous Phase I investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; and AKRF, Inc. (AKRF), April 1997. All Phase I analytical results from samples collected during the Phase Is revealed concentrations of anthropogenic constituents ranging from below method detection limits to concentrations within normal background ranges.

Previous Phase II investigations carried out at the site include: Dames & Moore, Inc., 1998 (late February or early March), ERM, June, 1998 and Coneco Environment Corp. (Coneco), June 1999.

Dames & Moore, 1998

In 1998, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. The soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), including polynuclear aromatic hydrocarbons (PAHs), polychlorinated

biphenyls (PCBs), and Resource, Conservation, and Recovery Act (RCRA) metals.

The Dames & Moore data indicated that PAHs and PCBs were present in a soil sample collected in the northeastern section of the property, at concentrations above NYSDEC Technical and Administrative Guidance Memorandum Number 4046 (TAGM-4046) Recommended Soil Cleanup Objectives (RSCOs), dated January 24, 1994. However, no subsequent collected data have indicated any PCB concentrations above TAGM-4046 RSCOs. No VOCs were detected above TAGM-4046 RSCOs in any soil samples.

The data also indicate that RCRA metals were above TAGM-4046 guidelines in all six soil samples collected. However, considering the proximity of bedrock at the Site, it is likely that metal concentrations in the overburden soil may be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to TAGM-4046 RSCOs rather than Site background concentrations was misleading.

Groundwater samples collected from the existing on-Site well and from borehole No. 3 were analyzed for VOCs and RCRA metals. No parameter was detected above its respective TAGM-4046 guidance criterion.

ERM-May/June 1998

ERM carried out a Site Assessment in May and June, 1998. This investigation consisted of the installation of 21 soil borings (ERM-1 through ERM-21). The borings were installed to:

- evaluate the Dames and Moore findings; and
- define any additional areas impacted by residual chemical constituents above the TAGM-4046 RSCOs.

The ERM Site assessment revealed the presence of residual chemicals, specifically PAHs, above the TAGM-4046 RSCOs in some of the borings. The contaminants above RSCOs were detected in the south parking lot bordering the berm (ERM-12 and ERM-13), the location of the former incinerator (ERM-19), and in the northwest corner adjacent to the access road (ERM-20).

Coneco Environmental Investigation – March 1999

Prior to the 1999 property sale, W&M Properties of NY L.L.C. (W&M) engaged Coneco to install additional borings to evaluate environmental conditions at the Site. Coneco installed 57 soil borings, collected a groundwater sample from the on-Site well, and sampled surface water and sediment at the Site. Some of the samples collected by Coneco contained concentrations of PAHs in excess of TAGM-4046 RSCOs. The locations of these borings were in the same vicinity as the locations where ERM had observed PAHs at concentrations above RSCOs, (i.e. in the south parking lot adjacent to the berm, and in the northwest corner of the property near the entrance roadway). Analysis of groundwater, surface water or sediment samples, however, did not reveal impacts.

1.3.2 *ERM Final Investigation Site Assessment*

The Final Investigation Site Assessment was carried out by ERM from May to July 1999. The results were summarized in the ERM April 2000 Final Investigation Site Assessment Report submitted to the state pursuant to the VCA executed by the state and 500 Mamaroneck Avenue Associates (MAA). Soil and sediment samples collected during this investigation contained PAHs, PCBs, pesticides and metals. PAH concentrations were above TAGM 4046 RSCOs in 19 of 32 samples.

The Final Site Investigation confirmed the presence of PAHs below the parking lot and vegetative cover at the Site. Based on the study results,

ERM concluded that there was no exposure pathway for the residual chemicals detected at the Site.

1.3.3 *Supplemental Final Site Investigation*

The Supplemental Final Site Investigation was conducted in November 2000 by ERM. The Supplemental Investigation was conducted at the NYSDEC's request to assess soil conditions in the northwestern section of the property, along the southern berm, and in the eastern buffer zone.

Samples collected in the eastern buffer contained metals at concentrations below background levels or United States Environmental Protection Agency (USEPA) risk-based values. PAHs were identified in subsurface soil from the northwestern section at concentrations above TAGM 4046 RSCOs. Lead was detected in two samples collected from the southern berm above the USEPA average allowable concentration for residential soils. These two areas are further discussed in Section 1.4.

1.4 *SUMMARY OF ENVIRONMENTAL CONDITIONS*

This section identifies the areas to be addressed: i.e., the southern berm and northwestern section.

1.4.1 *Southern Berm*

The southern berm at the Site is shown in Figure 3-2. The berm extends approximately 750 feet along the southern property line. The berm was constructed to provide a visual barrier for adjacent residential properties. As indicated above, lead was detected in two of five surface soil samples, collected from the southern berm, above USEPA acceptable average risk-based concentrations.

1.4.2 *Northwestern Section*

During the 1999 Coneco investigation and the 1999 ERM Final Investigation Site Assessment, a "black tar-like" material was identified in borings B-41 and ER-48 (Figure 1-3), respectively, at depths ranging from four to six feet below ground surface (bgs). Black material resembling "cold patch asphalt" was also observed in boring ERM-31 from four to six feet bgs. In addition, fragments of a "tar-like" material were identified in borings ERM-48A and ERM-48D. PAHs were detected in all of the eight supplemental samples collected from the northwestern section. Although concentrations of PAHs in the "tarlike" material were non-detect or below TCLP standards, some of the soil samples exhibited PAH concentrations (See Section 2.1.1) in this area above TAGM-4046 RSCOs.

1.5 *CONTEMPLATED USE*

The contemplated use of the property is as commercial office space for the foreseeable future.

1.6 *SUMMARY OF THE REMEDY*

The proposed remedy for the Site consists of institutional and engineering controls. The institutional controls include a deed restriction that specifies permitted uses of the property, and engineering controls that prevent direct contact with the limited residual PAH and metal constituents in subsurface soil as set forth in this document. The engineering controls include maintenance of the current bituminous pavement and landscaping. The engineering controls will be specified in a Site Management Plan that will detail yearly monitoring activities, reporting requirements, health and safety requirements for excavation, monitoring requirements if additional development of the site is undertaken and response action to be undertaken if degradation of the bituminous pavement or erosion of the landscaping is observed. In addition, the

current site owner and the Department will execute an Environmental Easement setting forth all on-going obligations with respect to the remedy as set forth in the agreement and allowing the NYSDEC site access. This agreement will allow the NYSDEC to verify that Human Health and the Environment are protected.

1.6.1 *Overview of Remedial Action Work Plan*

The remainder of the RAWP is organized in the following sections:

2.0 - Engineering Evaluation of the Proposed Remedy: Remedial Action Selection Report In this section, the criteria and justification for the selection of the proposed remedial action in each area are discussed. This section also discusses how the selected remedial action will meet the applicable remedial objectives and evaluates the remedy against 6 NYCRR Part 375-1.10 criteria.

3.0 - Proposed Remedy This section presents the details of the proposed remedial action for the Site.

4.0 - Health and Safety Plan A Health and Safety Plan (HASP) has been developed to address potential future intrusive work at the Site with respect to potential chemical exposures to workers.

5.0 Project Organization This section sets forth the resposibilites and roles of individual parties involved.

6.0 - Operation, Monitoring and Maintenance Requirements This section outlines the requirements for ongoing monitoring and maintenance of engineering controls at the Site, including a discussion of institutional controls.

7.0 – Schedule This section sets forth the proposed schedule for implementing the proposed remedial action.

8.0 - Reporting Requirements This section presents the proposed content of a Remedial Action Report (RAR), to be submitted to NYSDEC following implementation of the proposed remedy.

9.0 – References This section summarizes the references used in writing the RAWP.

2.0 *ENGINEERING EVALUATION OF THE PROPOSED REMEDY: REMEDIAL ACTION SELECTION REPORT*

This section identifies the applicable standards, criteria and guidance (SCGs) and describes the remedial goals for the Site. The proposed remedy is then evaluated with respect to the six evaluative criteria identified in the VCP Guide, *Draft* (NYSDEC, May 2002). These criteria are:

- protection of human health and the environment;
- compliance with standards, criteria, and guidance (SCGs);
- short-term effectiveness and impacts;
- long-term effectiveness and permanence;
- reduction of toxicity, mobility, or volume; and
- implementability.

These criteria are consistent with those outlined in 6 New York Code of Rules and Regulations Part 375 1.10 for Remedy Selection.

2.1 *APPLICABLE STANDARDS, CRITERIA, AND GUIDANCE*

The following are the SCGs that are considered to be ARARs for the Site:

- NYSDEC Voluntary Cleanup Program Guide *Draft*, May 2002;
- NYSDEC Technical and Administrative Guidance Memorandum Number HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels - Recommended Soil Cleanup Objectives, dated January 24, 1994 (TAGM-4046);
- NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values, October 1993 (TOGS 1.1.1);
- USEPA 40 Code of Federal Regulations (CFR) Part 745: Lead, Identification of Dangerous Level;
- NYCRR Part 375 1.10: Remedy Selection; and
- Guidelines and Requirements for Workers at Hazardous Waste Sites (Subpart 120), OSHA 29 CFR 1910.

2.1.1 *Summary of Data in Excess of Comparison Criteria*

As presented in the April 2000 Final Investigation Site Assessment Report, soil at the Site beneath existing cover contains PAHs above TAGM-4046 RSCOs. These soils will be addressed through a Site Management Plan and a soils management plan.

Five surface soil samples were collected from the southern berm during the Supplemental Final Site Investigation (ERM 2000) and analyzed for TAL metals. The samples were all collected from beneath the vegetative cover present at the sampling site at the time of sample collection. The concentrations of residual metals, except for lead, were generally within background levels or were below USEPA Region III Risk-Based Concentrations (RBC), risk-based acceptable levels for ingestion of soil based on residential soil use. ERM evaluated the concentrations of lead detected in the five surface soil samples collected along the southern berm using the values contained in 40 Code of Federal Regulations (CFR) Part 745.65 – Lead Based Paint Hazardous as a benchmark. The values specified in Part 475 are for residential property while the berm is located on commercial property. Therefore, the Part 745 values are not strictly applicable. Part 745.65 defines soil lead hazards in residential real properties or at child-occupied facilities in non-play areas as bare soil areas that contain lead at an average concentration equal to or exceeding 1,200 mg/kg. As indicated above, when the five bern samples were collected, they were collected from below the existing vegetative layer.

Lead was detected in two of five surface soil samples from the southern berm above the USEPA acceptable average concentration of 1,200 mg/kg (SB-01 at 3,880 mg/kg and SB-03 at 1,330 mg/kg). The average lead concentration in the five samples is 1290 mg/kg, slightly greater than the 40 CFR Part 745 benchmark. Because these samples were collected from beneath a vegetative layer present at the sampling location, there is low potential for contact. As indicated above, the site is commercial property

and children do not normally play at the site. Future potential contact with these areas will therefore be addressed by augmenting existing vegetation/maintenance of the vegetative cover along the berm, as necessary.

Eight soil samples were collected from the northwestern section during the supplemental investigation. These samples were analyzed for TAL metals, SVOCs, and PCBs. The TAL metal results showed that concentrations of residual metals were generally within background levels or were below USEPA Region III Risk-Based Concentrations (RBC), risk-based acceptable levels for ingestion of soil based on residential soil use. PAHs were above TAGM 4046 RSCOs in five of eight samples from the northwestern section that were collected between five and eight feet bgs. PCBs were below TAGM-4046 RSCOs. TCLP metals and PAHs sample results for the "tar-like" material, TAR-1, were not detected or were below TCLP standards. Potential future contact with these materials will be addressed by a Health and Safety Plan to be implemented if the area is excavated.

2.2 *REMEDIAL GOALS AND OBJECTIVES*

This section summarizes the remedial goals for the Site to ensure that the final remedy will be protective of human health and the environment. The Site RAOs are:

- prevent direct contact and incidental ingestion of soil containing chemical concentrations in excess of their RSCOs in areas underneath existing cover and in the area of the southern berm and in the northwestern section;
- prevent direct contact with the "black tar-like" material in the northwestern section;
- establish and maintain engineering controls;
- ensure existing engineering controls and the proposed engineering controls in this RAWP remain in place and effective;

- prevent ingestion of on-Site groundwater;
- continue to maintain the eastern buffer zone as a natural wooded area as stated in the Harrison Board of Zoning Appeals resolutions (referenced on page 2-11 of this document);
- execute the Environmental Easement; and
- file and adhere to deed restrictions and specific site use(s).

2.3 *SUMMARY: ENGINEERING EVALUATION OF SELECTED REMEDY*

The proposed remedial action described in Section 1.5 was developed through a review of NYSDEC guidelines, comment from the NYSDEC, and experience in developing remedial actions for similar types of environmental issues. The main elements of the proposed remedy are:

- preparation of deed restrictions and engineering controls in an Environmental Easement Document [1] that will a) restrict Site and groundwater uses and b) specify engineering controls to address non-mobile subsurface chemicals, which currently are substantially covered by an existing cap consisting of the parking lot, buildings, and landscaped areas and/or covered by natural vegetations. These measures will eliminate the limited potential for direct contact and the ingestion of soils and groundwater at the site through:
    1. control of uses and groundwater at the Site;
    2. maintenance of the landscaping cover in the northwestern section;
    3. monitoring and prevention of erosion of the vegetative cover on the southern side of the southern berm;
    4. routine inspection and maintenance of the parking lot, landscaping, soil cover for the northwestern section, and southern berm vegetation; and
    5. preparation and implementation of a soils management plan.

[1] The term Environmental Easement as used herein will refer to a recordable document in the form of an Environmental Easement or a Declaration of Restrictive Covenants, whichever form is required by the NYSDEC at the time of approval of this RAWP.

The following sections evaluate the proposed remedy with respect to the six evaluative criteria outlined in the Draft VCP Guide. The criteria include elimination of the remaining potential impacts to human health and the environment through implementation of the remedy, whether the remedy has proven reliable for the media and chemicals requiring remediation at the Site, and compliance with SCGs.

The effectiveness criteria consider whether the technology can handle the volume of affected media and meet the RAOs. The short- and long-term impacts for the Site and surrounding community and environment are considered, and whether any impacted media is left on-Site. The criteria for implementability focuses on zoning board requirements.

2.3.1 *Protection of Human Health and the Environment*

Protection of Human Health and the Environment can be measured by the remedy's ability to meet the RAOs. The Site RAOs were presented in Section 2.1. Institutional controls in the form of deed restrictions and the existing engineering controls address the following RAOs:

- prevention of direct contact and incidental ingestion of soil containing chemical concentrations in excess of their RSCOs in areas underneath existing cover;
- control of potential future site excavation;
- maintenance of the eastern buffer zone as a natural wooded area as stated in the Harrison Board of Zoning Appeals resolutions (referenced on page 2-11 of this document);
- ensuring that existing engineering controls remain in place and are effective; and
- prevention of ingestion of on-Site groundwater.

The existing engineering controls, consisting of the parking lot, landscaped areas and natural vegetation address soils that contain chemical concentrations in excess of their RSCOs. These engineering controls will be maintained and certified annually to the NYSDEC as described in Section 6.0.

The soils management plan will control potential future Site excavation as described in Section 6.0. The deed restrictions as set forth in the Environmental Easement will prevent groundwater from being ingested by limiting the use of groundwater at the Site and will insure the continued existence and maintenance of all on-Site engineering controls.

Standards, Criteria, and Guidance

The following are the standards, criteria, and guidance (SCGs) that are considered to be ARARs for the Site:

- NYSDEC Voluntary Cleanup Program Guide *Draft*, May 2002;
- NYSDEC Technical and Administrative Guidance Memorandum Number HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24, 1994 (TAGM-4046);
- NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values, October 1993 (TOGS 1.1.1);
- USEPA 40 Code of Federal Regulations (CFR) Part 745: Lead, Identification of Dangerous Level; and
- Guidelines and Requirements for Workers at Hazardous Waste Sites (Subpart 120), OSHA 29 CFR 1910.

The remedy will comply with the guidelines outlined in the VCP Guide. While the remedy will not reduce the concentrations of residual chemicals in soil to meet TAGM 4046 RSCOs, the capping and institutional controls will substantially eliminate the potential for exposure by eliminating direct contact pathways. Finally, since there have not been any anthropogenic chemicals detected in groundwater at concentrations above Class GA standards and guidance values, this criteria is met.

2.3.2 *Short-Term Effectiveness and Impacts*

The deed restriction and Environmental Easement will provide both long-term and short-term remedial effectiveness since they will ensure that all engineering controls will be identified, remain in place, and be maintained

and that the uses of the Site will minimize any potential for human contact and health concern.

2.3.3 *Long-Term Effectiveness and Permanence*

Long-term effectiveness and permanence is measured by the potential for exposure after remedy implementation and the adequacy and reliability of controls. Thus, the long-term permanence and effectiveness of the remedy can be measured in its long-term ability to meet the RAOs for the Site. The following are the RAOs for the Site:

- preventing direct contact and incidental ingestion of soil containing chemical concentrations in excess of their RSCOs in areas underneath existing cover and natural vegetation in the area of the southern berm and in the northwestern section;
- preventing direct contact with the "black tar-like" material in the northwestern section;
- preventing direct contact with debris in the southern berm;
- controlling potential future site excavation;
- ensuring existing engineering controls and the proposed engineering controls in this RAWP are still in place and effective; and
- preventing ingestion of on-Site groundwater.

The proposed remedy will provide long-term effectiveness and permanence. The deed restrictions as set forth in the Environmental Easement and engineering controls will provide protection of human health and the environment in the long-term. Specifically, the deed restriction and Environmental Easement will prevent non-permitted usage of the Site, such as residential day care, childcare, and medical care, and will prohibit potable use of the groundwater, as well as, use of the existing groundwater well for purposes other than the waterfall, without the consent of the NYSDEC.

In addition, the Environmental Easement will provide inquiring parties with information regarding Site conditions. As indicated in the VCA, the Environmental Easement will be filed with the Westchester County

Clerk's office and be available at the Site business offices. The Environmental Easement will inform present and potential future site owners and operators of the procedures that must be implemented to protect the health and safety of any workers performing intrusive work at the Site. These procedures will be addressed in the soils management plan (Section 8.0) by setting forth the procedures for potential future Site excavation and other intrusive activity.

Thus, the Environmental Easement setting forth deed restrictions and the system of existing and proposed engineering controls will effectively eliminate the potential for exposure to soil containing chemical concentrations above NYSDEC RSCOs. Furthermore, due to their locations, the southern berm and northwest section are unlikely to be developed. Particularly, as part of the zoning board resolution granting the right to implement the existing improvements at the Site, the southern berm cannot be developed. The Site Management Plan in combination with annual certification (Section 6.0) to the NYSDEC, ensure that engineering controls will remain in place and be effective in the long-term. With proper implementation, this approach has been proven to be effective at numerous sites.

2.3.4 *Reduction of Toxicity, Mobility, or Volume*

The PAHs detected at the Site are generally of high molecular weight with three or more rings. The molecular weights limit solubility and, therefore, mobility; however, the multi-ring structure makes the compounds persistent. Soil containing PAHs above RSCOs are currently sufficiently capped by asphalt pavement or vegetation and are inaccessible for direct contact. Normal biodegradation of the PAHs will continue to occur at a slow rate over time with the proposed remedy of institutional and engineering controls. Institutional controls provide for isolating the area from the general population and are aimed to prevent unauthorized site utilization. Beyond natural biodegradation, the remedy will not provide

any further substantial reduction of the volume of PAHs. The toxicity of chemicals will not be lowered, but their exposure pathway will be eliminated.

Maintenance/augmentation of the vegetative cover on the southern berm will eliminate the potential for direct contact with lead in surface soils. No reduction in the volume of lead is expected. As with the PAHs, the concentration (toxicity) of the lead will not be changed, but its exposure pathway will be eliminated.

2.3.5 *Implementability*

The engineering and institutional controls proposed for the Site can be completed in a reasonable time frame, and are readily implementable technologies.

2.3.6 *Summary of the Evaluative Criteria*

The proposed remedy was compared against the six evaluative criteria outlined in the *Draft* VCP guidelines. The proposed institutional and engineering controls will be protective of human health and environment in the long-term by reducing the potential for exposure through the elimination of direct contact with chemicals in soil. All SCGs will be met, with the exception of TAGM 4046 RSCOs. However, the pathway for exposure will be eliminated with the proposed remedy, thus soils containing chemical concentrations above TAGM-4046 RSCOs will be inaccessible.

The Site Management Plan will be in place to ensure the long-term effectiveness of engineering controls. In addition, annual certification of these and the deed restriction will be provided to the NYSDEC. Finally, while the volume and toxicity of chemicals in soil will not be reduced, as discussed above, the PAHs and metals identified (lead in southern berm)

in the Site soil are very immobile and will be made inaccessible through the use of the existing and to be implemented engineering controls.

3.0 *PROPOSED REMEDY*

The remedy for the Site will consist of institutional and engineering controls. Figure 3-1 shows the Site in plan view, which identifies the existing engineering controls. The accompanying Site Management Plan and soil management plan are discussed in Section 6.0.

3.1 *INSTITUTIONAL CONTROLS*

Institutional controls will be implemented at the Site to control future Site uses, ensure that engineering controls are in place and are maintained, control development on the Site, and restrict groundwater and surface water use. The deed restriction as set forth in the Environmental Easement will specify the allowable uses for the Site and restrict future Site uses. A figure similar to Figure 3-1 will be referenced in the Environmental Easement to identify all engineering control areas and the type of engineering control to be maintained.

The environmental easement will specify that the Site may continue to be used as a commercial facility and shall not be used for purposes other than set forth therein. The Environmental Easement shall state that the Site shall not be used for day care, childcare, or medical care without the consent of the NYSDEC. The groundwater will not be used for potable purposes without written consent of the NYSDEC. The deed restriction will state that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with its current use.

A Site Management Plan will include a soils management plan to govern the management of all potential future Site excavation activities. The Site Management Plan will be implemented to ensure engineering controls consisting of the existing asphalt parking lot, landscaped areas, and natural vegetation on the southern berm are in place and effective. The

soils management plan and Site Management Plan are discussed further in Section 6.0. An annual certification of the engineering controls will be provided by the Site owner to the NYSDEC.

3.2 *SOUTHERN BERM*

The samples collected from the south side of the Southern Berm contained residual concentrations of metals (lead). The north side and top of the Southern Berm are both covered by landscaping including grass and deciduous and coniferous trees. The south side of the berm is covered by native vegetation consisting of deciduous trees, low brush and vines.

The area to be inspected pursuant to the RAWP extends from the southern ridge of the berm to the property line, and is considered the backside of the berm (i.e., the side that faces away from the property, the south side of the berm). An initial inspection of the south side of the berm will be carried out when the RAWP is implemented. The initial inspection will assess the state of the natural vegetation, look for signs of erosion and identify areas where augmentation of the native vegetation will be considered and implemented, as necessary. During the initial inspection, surficial trash will be removed. The initial inspection will be used as a baseline to which subsequent yearly inspections and subsequent augmentation decisions will be compared.

Visible bottles, trash, tires, and other identifiable debris shall be removed from the surface of the southern berm. Materials shall be removed by hand, to minimize disturbance to the existing vegetation. Work teams shall walk through the southern berm area and hand pick bottles and other refuse from the soil surface. The trash will then be carried to a loading area where the trash will be placed in a container for disposal.

Vegetative plantings may be installed to augment the native vegetation. Any plants installed will mimic, to a reasonable extent, the existing

natural Site conditions, which consist of underbrush, and natural leaf mulch on the soil surface.

Vegetative plantings may consist of a combination of native plants and ferns. Vegetative species identified for their ability to thrive under native, full-shade conditions, as is the case for the southern berm area are:

- Low bush blueberry
- Rhus Aromatica (fragrant sumac
- Forsythia suspensa (weeping forsythia)
- Viburnum trilobum (American cranberry)
- Clethra alnifolia (summer sweet clethra)
- Vine Parthenocissus or engelman

The plants have strong root systems and will spread out horizontal roots, which then send up new stems. With these plants, significant ground cover will be obtained on a permanent basis in one to two growing seasons.

Ferns could be planted in the very shaded areas, to supplement the ground cover provided by the plants, and to enhance the aesthetic quality of the completed project. Ferns that could be planted include:

- Painted fern
- Autumn fern
- Cinnamon fern
- Christmas fern

If vegetative cover of the Southern berm is augmented by installation of additional plant/ferns, watering of the southern berm shall be conducted twice a week for the first month following planting. The building property landscapers shall water the southern berm as needed on a regular basis, and twice weekly should drought conditions occur. This will be conducted for the first year following construction.

3.3 *NORTHWESTERN SECTION*

The impacted northwestern section extends from the curb at the entranceway to a line of tall shrubbery at the eastern limit, and is approximately 5,400 square feet. The area will be inspected to determine if any additional cover is required. If the inspection indicates that no additional cover is required, the existing cover will be photo-documented for future comparison. The cover will be maintained as documented by the inspection by the building's landscaper as specified in the Site Management Plan.

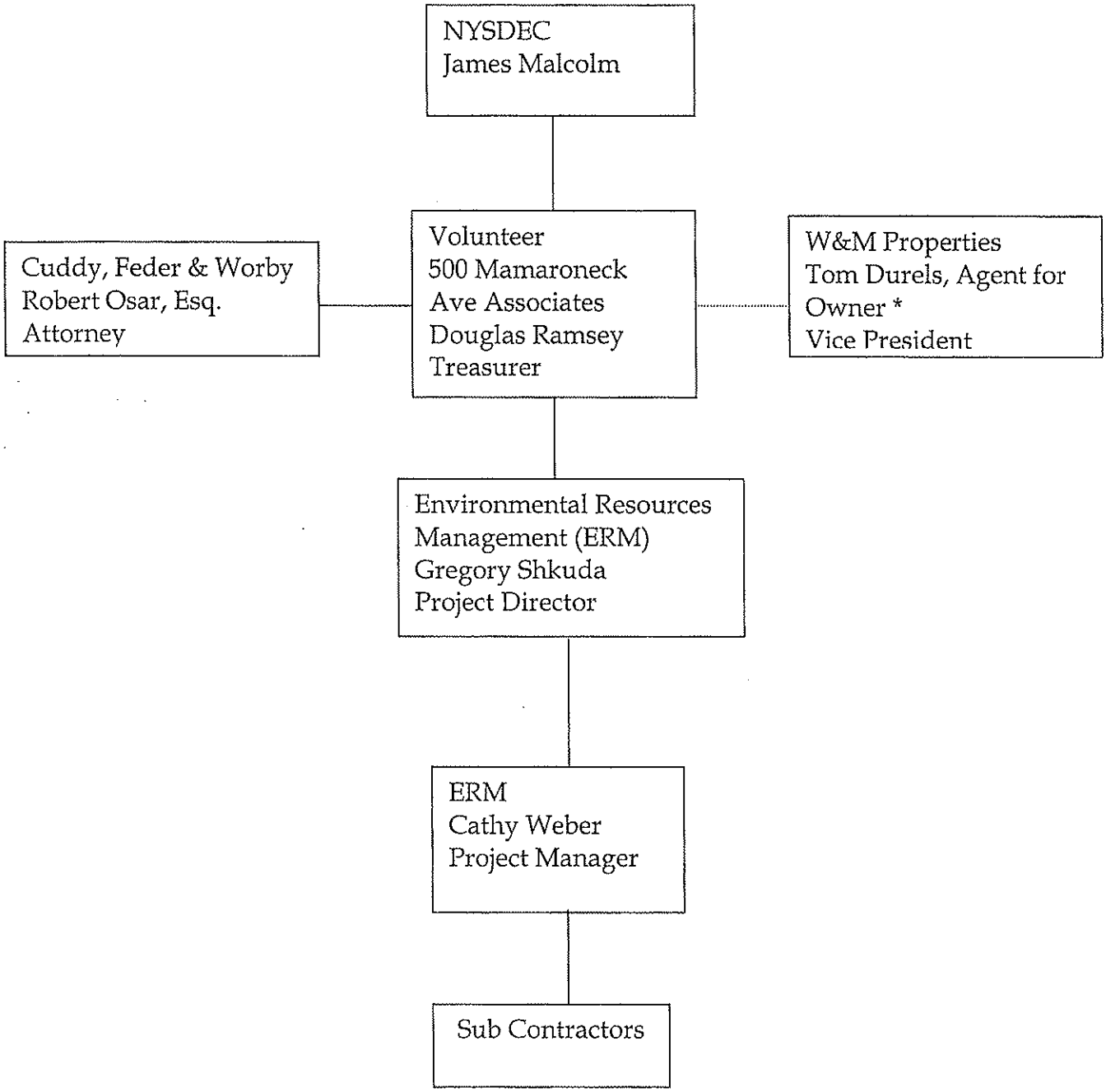
4.0 *HEALTH AND SAFETY PLAN*

A Health and Safety Plan (HASP) for the Site is included as Appendix A to this RAWP. The HASP is to address any potential future Site excavation.

The intent of the HASPs is to minimize the possibility of work-related injury or exposure to Site contaminants through providing site information, utilizing aware and qualified supervised personnel, and the use of appropriate protective equipment while performing remedial activities. The procedures set forth in this HASP are designed to reduce the risk of exposure to Site contaminants and physical or other hazards that may be present.

The HASP defines the measures to be taken to comply with applicable US Occupational Safety and Health Administration (OSHA) and other regulatory requirements during all applicable work at the Site, and focuses primarily on general health issues and personnel exposure issues during implementation of the RAWP.

5.0 *PROJECT ORGANIZATION*



* W&M Properties represents the current ownership group for 500 Mamaroneck Avenue and, as agent for owner, will coordinate with Volunteer regarding the RAWP and its implementation. All written notices and communications should be copied to Tom Durels and Gerrit Blauvelt at W&M Properties, as well as all work at the Site should be coordinated through these contacts.

6.0 *MONITORING AND MAINTENANCE REQUIREMENTS*

The proposed Site remedy described in this RAWP relies on various capping strategies to ensure that direct contact with impacted Site soil does not occur. For this remedial approach to remain protective in the future, monitoring and maintenance measures must be implemented at the Site to prevent unintended direct contact with impacted Site soils.

This section describes the monitoring and maintenance program that will be implemented through the Site Management Plan on an ongoing basis at the Site. The program consists of the following components, described in further detail herein:

- Engineering Controls;
- Soil Management Plan;
- Annual Certification; and
- Institutional Controls.

A draft Site Management Plan for the Site has been included in this RAWP as Appendix B.

6.1 *ENGINEERING CONTROLS*

Engineering controls are the actual physical Site features that prevent direct contact with impacted soil. Once the specific components of the Site remedy described in Section 3.0 have been identified and installed, if necessary, sufficient cover will be in place across the entire Site to prevent direct contact with impacted soil.

The purpose of the maintenance and monitoring program is to describe the on-going maintenance that will be necessary to ensure that the cover materials remain in place and maintains its effectiveness. These measures

will provide long-term protection and prevent unintended direct contact with impacted soil.

The engineering controls at the Site consist of asphalt cover over the parking areas and vegetative cover over the remaining areas. Specific inspection and maintenance procedures regarding these controls are discussed below. These are outlined in Table 8-1.

6.1.1 *Asphalt Cover*

The asphalt parking areas should be maintained in good condition, free of potholes, ruts, significant cracking, and other disrepair. These areas should be inspected semi-annually, with one inspection immediately following the spring thaw. During these inspections, the condition of the asphalt cover, surface water ponding, surface depressions, etc., will be noted and the Remedy Inspection Form (see Table 8-2) will be completed. A copy of the completed Remedy Inspection Form will be transmitted to the building's managing office.

The need for repairs will be determined during the semi-annual inspection and noted on the Remedy Inspection Form. Following inspections, any necessary repairs to the asphalt cover will be implemented to restore the surfaces. Repairs may include patching, sealing of cracks, and repaving. Documentation of the repairs will be filed in the building's managing office.

When so indicated by the Site inspections, asphalt repairs should be made as soon as possible following the inspection. The spring inspection should be scheduled to coincide with the opening of area asphalt batch plants, so that materials for the repairs are readily available. Likewise, the fall inspection should be scheduled prior to the closing of area batch plants, so that any necessary repairs can be made prior to winter. The appropriate asphalt mix shall be selected by the current Site owner/landlord.

6.1.2 *Vegetative Cover*

In most vegetated areas of the Site, the existing vegetation is the key component of the cover system over impacted soil. Therefore, the importance of the vegetation is twofold: to provide an actual barrier from potentially impacted soil, and to prevent erosion of the clean cover soil so that the cover soil thickness does not diminish.

Vegetated surfaces must be inspected regularly to ensure that the underlying soil is properly protected by the depth and vegetation of the cover. It is recommended that the vegetated areas be visually inspected on at least a semi-annual basis.

The protection provided by the vegetative cover should normally be complete with limited visible bare spots. The inspector should also look for erosion rivulets on slopes or any sign of settling. Holes from burrowing animals must also be noted and addressed if they pose an erosion problem.

If inspections reveal that the vegetative cover integrity may be compromised in any way, appropriate mitigative actions must be implemented. Repairs to bare soil areas may include reseeding, planting, fertilizer application and soil conditioning, if applicable. Erosion may be reduced by improving vegetation and altering contours (if appropriate) to minimize storm water run-off velocity. Sections of the slopes that have subsided will be backfilled, regraded and reseeded if necessary.

6.2 *SOIL MANAGEMENT PLAN*

For the Site remedy to remain protective in the future, 1) all subsurface soils must remain undisturbed, or 2) if required to be disturbed, such disturbance must be planned to ensure the protection of Site workers and proper management of the disturbed soil.

A draft Soil Management Plan has been prepared and incorporated into this RAWP as part of the Site Management Plan in Appendix B. The Soil Management Plan describes the means necessary to protect Site workers if intrusive excavation work is performed at the Site, and it should be consulted for procedures to properly manage any disturbed soil. The final version of the Site Management Plan and Soil Management Plan will be provided in the Remedial Action Report.

6.3 *ANNUAL CERTIFICATION*

As part of the Site remedy, NYSDEC requires that an annual inspection and certification be provided, stating that the engineering controls are in place and effective. It is recommended that the annual inspection be conducted toward the end of each calendar year, at the conclusion of seasonal repairs that are made in the fall. Because institutional and engineering controls are relied upon as part of the remedy implemented under the VCA, the volunteer shall file an initial annual report by January 15th as part of the RAWP and annually thereafter until the Department notifies Volunteer in writing that the remedial process is concluded. Thereafter, all annual certifications shall be prepared and filed by owner. Such annual report shall be signed by a NYS Professional Engineer and shall contain a certification that the institutional controls put in place pursuant to the Agreement are still in place, have not deteriorated, and are still effective.

A certification form will be provided in the final Site Management Plan for the Site.

6.4 *INSTITUTIONAL CONTROLS*

Institutional controls will be implemented for the Site. The institutional controls will be legal deed restrictions set forth in the Environmental Easement specifying the following:

- the Site may continue to be used for the uses set forth in the VCA only;
- the Site can not be used for day care, child care, or medical care purposes without the consent of the NYSDEC;
- groundwater at the Site may not be used for potable purposes unless the NYSDEC provides express written permission to allow use for a specific potable purpose; continued use of groundwater for the existing waterfall is permissible; and
- the asphalt parking areas and landscaped areas are considered engineering controls which must be perpetually maintained.

Evidence of the filing of the Environmental Easement by the owner with the Westchester County Clerk's Office will be forwarded to designated NYSDEC representatives.

7.0 *PROJECT SCHEDULE*

Initial vegetative and asphalt cover inspections can be carried out over a one-week period. If vegetative cover augmentation is required, installation of supplemental plants/ferns can be completed within three-weeks of the site inspection. Figure 9-1 shows the project schedule for remediation through submission of the Remedial Action Report (RAR).

Note that the schedule is entirely contingent on weather and seasonal timing. Planting will only be scheduled so that the conclusion of remedial activities coincides with a growing season.

Prior to submittal of the RAR, time periods must be allowed for other tasks that cannot be quantified at this time. These consist of: (1) NYSDEC approval of Environmental Easement language, if applicable; and (2) preparation and legal filing of Environmental Easement.

8.0 *REPORTING REQUIREMENTS*

Following completion of the remedial action, a RAR will be prepared and submitted to NYSDEC for approval. The RAR will summarize the activities that occurred during the remedial action phase of the project. The RAR will be submitted in accordance with Paragraph I.E of the VCA. Specifically, the RAR will contain:

- a summary of the applicable Site data (similar to Section 2.0 of this RAWP);
- a description of the current conditions (including photo-documentation) of the southern berm and the northwestern section;
- a detailed description of vegetative augmentation on the Southern Berm and Northwest sections, if applicable
- certification that all activities were completed in full accordance with the RAWP;
- copies of the Environmental Easement filed with the Westchester County town clerk and the NYSDEC;
- a detailed post-remedial Site Management Plan;

A NYS professional engineer shall prepare, sign, and seal the Site Management Plan, RAR, and certification.

9.0 *REFERENCES*

ERM, 2002. Final Supplemental Site Investigation Report, 500 Mamaroneck Avenue, Harrison, New York, June, 2002.

ERM, 2000. Final Investigation Site Assessment Report, 500 Mamaroneck Avenue, Harrison, New York, Volumes I and II, April 2000.

ERM, 1998. 500 Mamaroneck Avenue, Harrison, New York, June 1998.

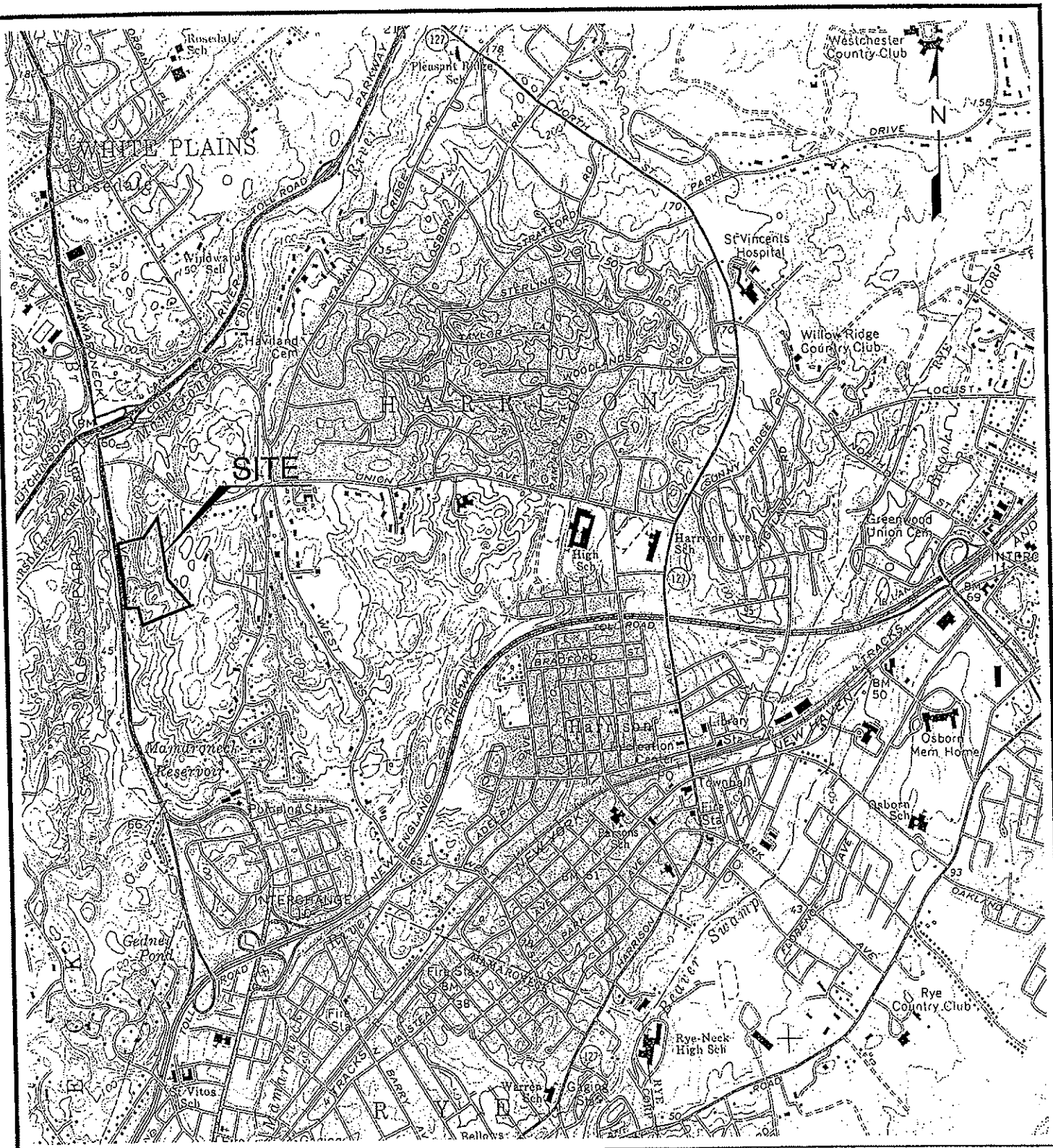
NYSDEC, 2002. Voluntary Cleanup Program Guide *Draft*, Division of Environmental Remediation, May 2002.

NYSDEC, 1994. Technical and Administrative Guidance Memorandum 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994.

NYSDEC, 1993a. Technical Guidance for Screening Contaminated Sediments, November 1993.

NYSDEC, 1993b. Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values, October 1993. Health and Safety Plan

USEPA, 2000. 40 CFR Part 745: Lead; Identification of Dangerous Levels of Lead; Final Rule.



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.-CONNECTICUT, 1967

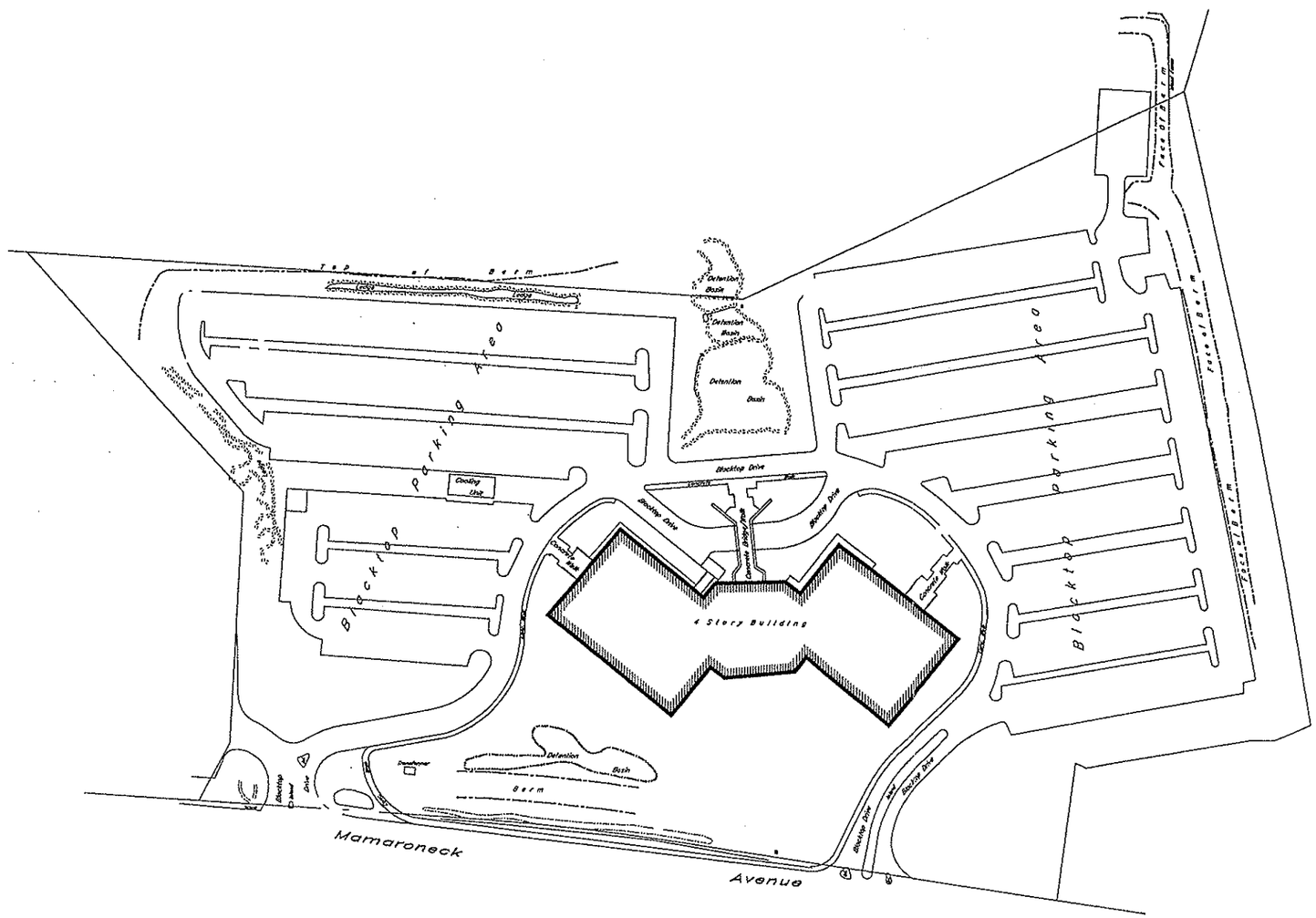
TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management			SCALE: GRAPHIC	FIGURE: 1 – 1
DRAWN: Y.S.	JOB NO.: X8101.00	FILE NAME: X810100025	DATE: 10/08/02	



0 160' 320'

APPROXIMATE GRAPHIC SCALE

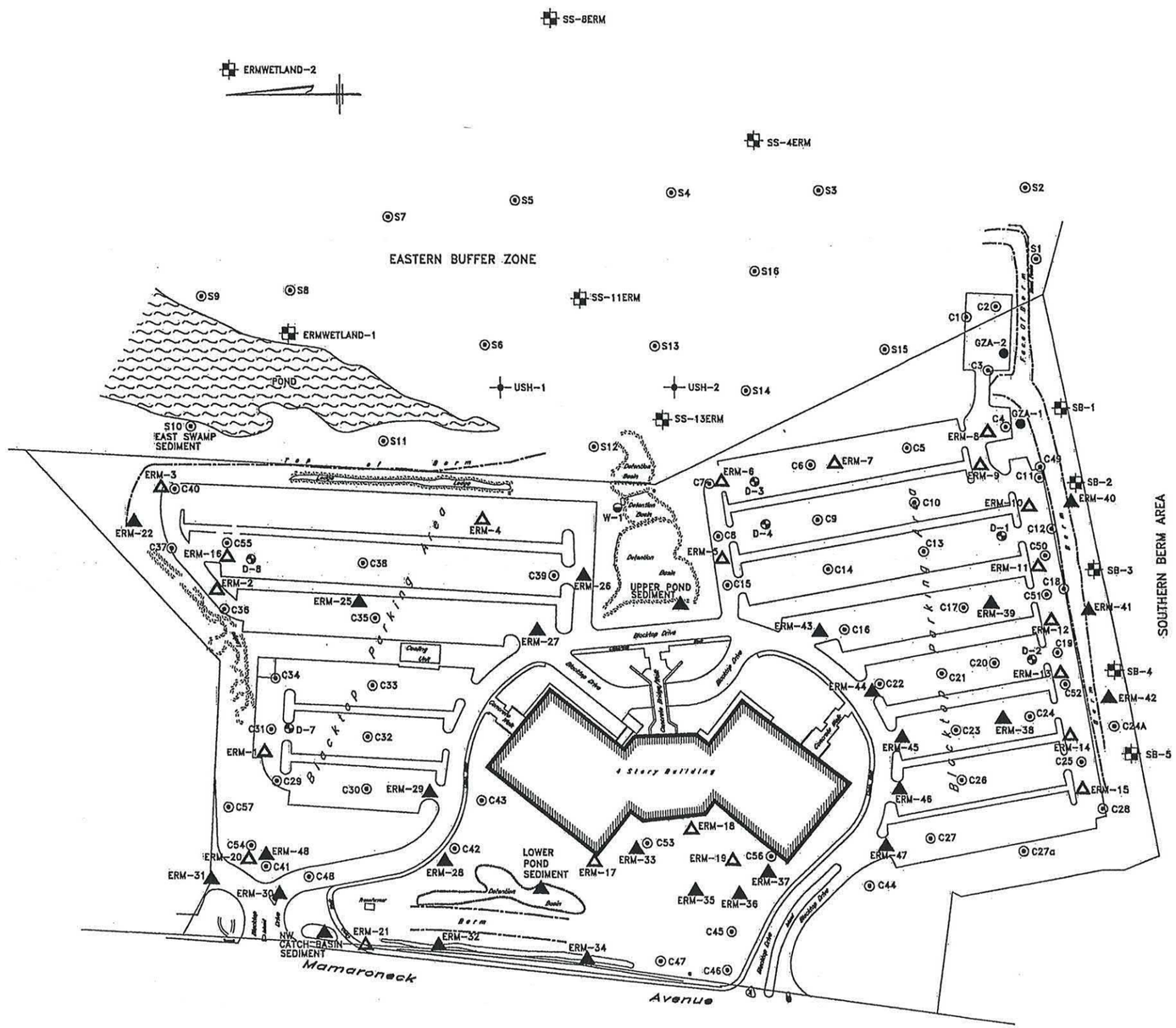
TITLE

SITE PLAN
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN	JOB NO.	FILE NAME	SCALE	FIGURE
R.J.R.	X8101.00.01	X8101007r14	GRAPHIC	1—2
			DATE 5/29/02	



LEGEND

- W-1 —GROUNDWATER SUPPLY WELL
- GZA-1 —GZA SAMPLING LOCATIONS – 1986
- USH-1 —USH INC. SAMPLING LOCATIONS – 1989
- D-1 —DAMES & MORE SAMPLING LOCATIONS–1998
- ERM-1 —ERM BORING LOCATIONS–1998
- C1, S1 —CONECO BORING LOCATIONS–1999
- ERM-22 —ERM BORING LOCATIONS–1999
- SB-1 —ERM SAMPLING LOCATIONS – 2000

0 160' 320'

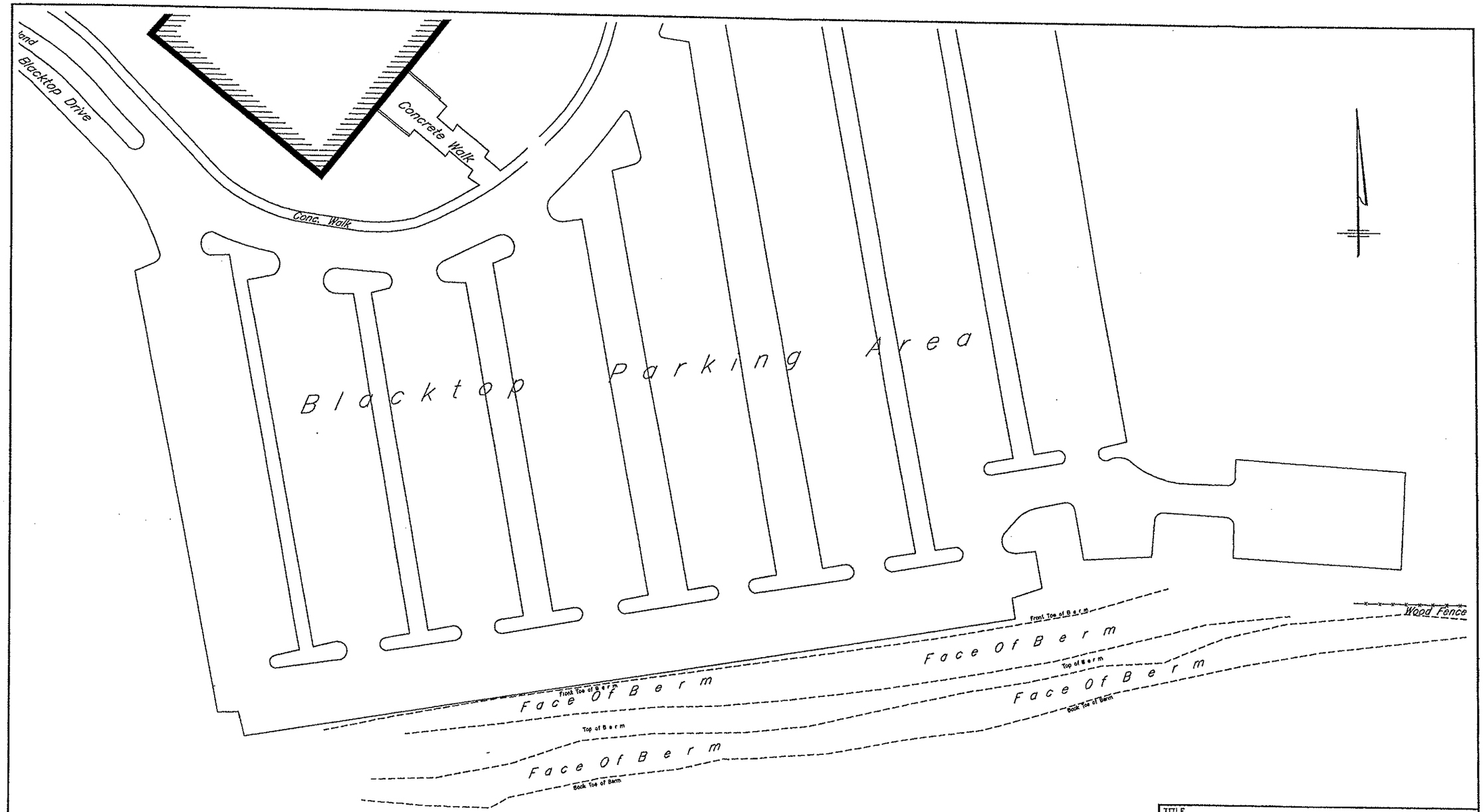
APPROXIMATE GRAPHIC SCALE

TITLE

SITE SAMPLE LOCATIONS
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management		SCALE GRAPHIC	FIGURE 1–3
DRAWN R.J.R.	JOB NO. 0001496-00	FILE NAME 001496-01-00	DATE 03/14/03

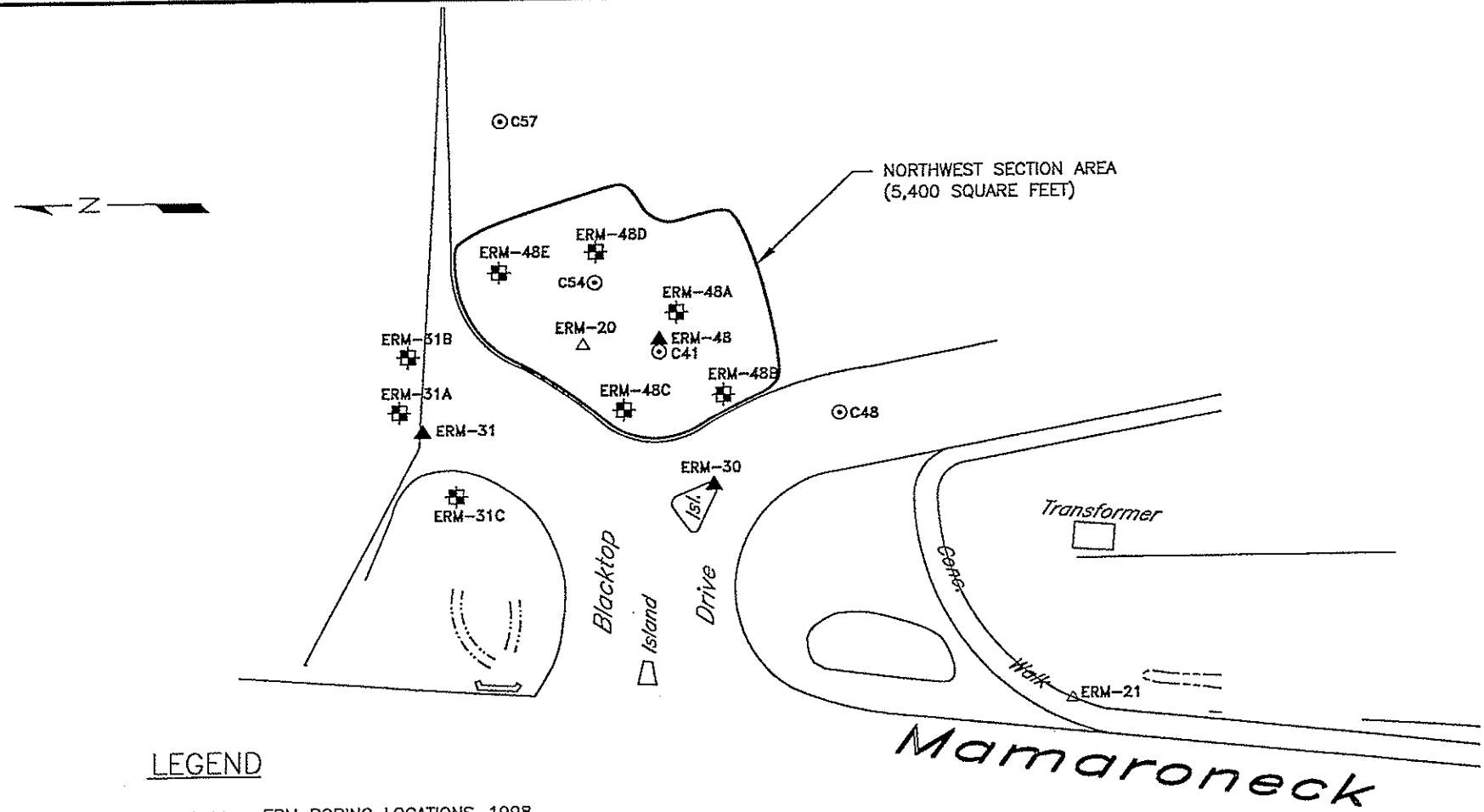


TITLE

PLAN VIEW OF
SOUTHERN BERM AREA
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

BRM Environmental Resources Management		SCALE 1"=60'	FIGURE 3-2
DRAWN: R.J.R.	JOB NO.: 0001496-00	FILE NAME: 0001496-01-00	DATE 03/03/03



LEGEND

△ ERM-20 —ERM BORING LOCATIONS—1998

▲ ERM-30 —ERM BORING LOCATIONS—1999

⊙ C41 —CONECO BORING LOCATIONS—1999

ERM-48A —ERM BORING LOCATIONS – NOVEMBER 2000

0 50' 100'

GRAPHIC SCALE

TITLE

PLAN VIEW OF
NORTHWEST SECTION AREA

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	3-3

DRAWN:	JOB NO:	FILE NAME:	DATE
R.J.R.	0001496-01	0001496-01-003	03/03/03

Figure 9-1
Proposed Remedial Action Schedule
Remedial Action Work Plan
500 Mamaroneck
Harrison, NY

	Weeks Following NYSDEC Approval of Remedial Action Work Plan [1]																
Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Pre-Remedial Action Work																	
Conduct Site Review and Submit Contractor Request for Proposal																	
Notify NYSDEC and Start Remediation Activities																	
Receive Bids																	
Award Contract																	
Lead Time to Order Materials																	
On-Site Activities																	
Mobilization																	
Southern Berm Planting, if needed																	
Report Preparation																	
Prepare Draft Remedial Action Report																	
Internal Review of Report																	
Submission to NYSDEC																	
NYSDEC Comments																	
Prepare and Submit Final Remedial Action Report [2]																	

Notes:

(1) The schedule is entirely contingent on weather and seasonal timing. Construction will only be scheduled so that the conclusion of remedial activities coincides with a growing season.

(2) The draft deed restriction language has been submitted to the NYSDEC, and NYSDEC Counsel has provided proposed substitute language. Volunteer will finalize the deed restriction language with NYSDEC Counsel while the final approved remediation is being implemented and the final agreed upon deed restriction documents will be submitted with final Remedial Action Report.

Figure 9-1
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Remedial Action Work Plan
500 Mamaroneck
Harrison, NY

	Weeks Following NYSDEC Approval of Remedial Action Work Plan [1]																
Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
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Notes:

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Table 8-1
Remedy Inspection Schedule
500 Mamaroneck Avenue, Harrison, NY

Semi-Annually (once following the spring thaw and once during the fall)

- visually inspect the condition of the following remedy components:
  - asphalt cover
  - vegetated slopes along the southern berm
  - landscaping areas around the asphalt cover;
- complete the Remedy Inspection Form;
- complete any required maintenance to the above remedy components; and
- transmit documentation of repairs to the building management's office.

Annually

- File annual report to NYSDEC that engineering controls are still in place, have not been altered, and are still effective by January 15th
  - include certification of deed restriction

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: _____

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☐	☐
Is there any surface water ponding on the asphalt cover?	☐	☐	☐
Is there any evidence of settlement?	☐	☐	☐

Specify Correction Actions Needed:

_____

_____

_____

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☐	☐
Are there any erosion rivulets?	☐	☐	☐
Is there evidence of any washouts or soil slides?	☐	☐	☐

Specify Correction Actions Needed:

_____

_____

_____

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any extensive visible bare spots?	☐	☐	☐
Are there any erosion rivulets?	☐	☐	☐
Is there evidence of any washouts or soil slides?	☐	☐	☐

Specify Correction Actions Needed:

_____

_____

_____

cc: Managing Office

Attach a copy of Figure 1-1

APPENDIX A

Site Management Plan

SITE MANAGEMENT PLAN

The site remedy relies on the continued maintenance of the existing engineering controls (parking lot, buildings, and landscaped areas) to prevent direct contact with soil in all areas of the Site, including the southern berm and northwestern areas of the site. Contact with impacted site soils may occur during future construction or related activities (tree planting, installation or maintenance of light poles, etc.). This section describes the monitoring and maintenance program that will be implemented on an ongoing basis at the Site. The program consists of the following components, described in further detail herein and set forth in the Environmental Easement:

- Engineering Controls;
- Soil Management Plan;
- Annual Certification;
- Institutional Controls.

1.0 ENGINEERING CONTROLS

Engineering controls are the actual physical Site features that prevent direct contact with impacted soil. Sufficient cover exists across the entire Site to prevent direct contact with impacted soil. The purpose of the maintenance and monitoring program is to describe the on-going maintenance necessary to ensure that the cover materials remain in place. These measures will provide long-term protection and prevent direct contact with impacted soil.

The engineering controls at the Site consist of asphalt cover over the parking areas, existing buildings, and structures and vegetative cover over the remaining landscaped areas. Specific inspection and maintenance procedures regarding these controls are discussed below.

1.1 ASPHALT COVER

The asphalt parking areas will be maintained in good condition, free of potholes, ruts, significant cracking, and other disrepair. These areas will be inspected on a semi-annual basis. One inspection will be scheduled to follow the spring thaw and the end of major winter storm events. The second inspection will occur six (6) months later in the fall and prior to first frost. During these inspections, the condition of the asphalt cover, ponding of surface water surface depressions, etc., shall be noted and documented on the Remedy Inspection Form. A copy of the completed Remedy Inspection Form (Table 8-2) should be transmitted to the building's managing office and retained by the Owner for future review purposes.

The need for repairs will be determined during the inspection events and noted on the Remedy Inspection Form. Following inspections, any necessary repairs to restore the surfaces to the asphalt cover will be carried out. Repairs may include patching, sealing of cracks, and paving. Documentation of the repairs will be filed in the building's managing office and retained by the

Owner for future review purposes.

When so indicated by the Site inspections, asphalt repairs should be made within 7 days of notice to the building manager. The date and nature of the repairs shall also be documented and retained by the Owner. The spring inspection should be scheduled to coincide with the opening of area asphalt batch plants such that materials for the repairs are readily available. Likewise, the fall inspection should be scheduled prior to the closing of area batch plants such that any necessary repairs can be made prior to winter. The asphalt mix selected shall match the existing pavement and shall be of sufficient quality to endure the weather conditions at the site.

1.2 VEGETATIVE COVER

In most vegetated areas of the site, the existing vegetation is the key component of the cover system. Therefore, the importance of the vegetation is to provide an actual barrier from potentially impacted soil, and to prevent surface erosion.

The final vegetated surfaces must be inspected regularly to ensure that the underlying soil is properly protected by the depth and vegetation of the cover (i.e. if any augmentation of the vegetative cover is carried out, the surfaces after this activity has concluded). It is recommended that the vegetated areas be visually inspected on at least a semi-annual basis and following major storm events as noted in Section 1.1.

The protection provided by the vegetative cover should normally be complete with no visible bare spots. The inspector must look for erosion rivulets on slopes or any sign of settling. Holes from burrowing animals must also be noted and addressed as they pose an erosion problem or threat.

If inspections reveal that the vegetative cover integrity may be compromised in any way, appropriate mitigative actions must be implemented. Repairs to bare soil areas may include plantings, seeding, fertilizer application and soil conditioning, if applicable. Erosion may be reduced by improving vegetation and altering contours (if appropriate) to minimize stormwater run-off velocities. Sections of the slopes that have subsided must be backfilled, graded and seeded if necessary. The nature of the repairs must be documented by the Owner and retained for future review purposes.

1.3 EXTERNAL BUFFER ZONE

At the time the 500 Mamaroneck Avenue property was developed, i.e. the office building and parking areas were constructed, the Harrison Board of Zoning required that approximately 20 acres of the site be set aside as buffer between the office and adjoining residences. A portion of the undeveloped portion of the property, the Eastern Buffer Zone, consisting of a wooded area and a seasonal pond cannot be developed. Yearly inspection of the portion of the property, coincident with one of the asphalt or berm inspections will be carried out to ensure that the portion of the property remains undeveloped as required by the Zoning Board Resolution.

2.0 SOIL MANAGEMENT PLAN

For the site remedy to remain protective in the future, all subsurface soils must remain undisturbed, or if required to be disturbed, such disturbance must be planned to ensure the protection of site workers, public health, and the environment. The Health and Safety Plan (Appendix B) will be used by workers carrying out these activities. Further, the NYSDEC shall be informed of any such work in writing before any such construction occurs. During future site development activity, the excavation of soil/fill may be necessary during the construction of footings, utilities, and other related activities. Residual contaminated soils may be excavated from the site during such activities. If this occurs, characterization of soil will be performed and, where applicable, disposal/reuse will be done in accordance with NYSDEC regulations. Proper management of the disturbed soil and any associated waste materials (groundwater, sediment, etc.) shall be necessary and will require the approval of the NYSDEC. Further, evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified will be performed. Finally, future redevelopment will be conducted such that all use restrictions (development and groundwater) detailed in the VCA are complied with.

3.0 ANNUAL CERTIFICATION

The Volunteer and Owner will be responsible for the recording of an institutional control in form of an Environmental Easement. The easement will require that the property owner comply with the approved site management plan, limit the use and development of the property to commercial or industrial uses as specified in the easement, restrict the use of groundwater as a source of potable or process water, and require the property owner to complete and submit to the NYSDEC an annual certification. The certification must state that the engineering controls described above are in place and effective. It is recommended that the annual inspection be conducted toward the end of each calendar year such that it follows the conclusion of any seasonal repairs performed during the calendar year.

The Property Owner shall file an annual report by January 15th to the NYSDEC Project Manager. The annual report can be signed by the Property Owner or their designee (Professional Engineer or Geologist) and shall contain a certification that the institutional and engineering controls put in place pursuant to the Agreement are still in place, are being complied with, have not deteriorated, and are still effective.

4.0 INSTITUTIONAL CONTROLS

Institutional controls in the form of an Environmental Easement will be implemented for the Site as noted above. The easement will be applicable to the entire Site and include a map showing the area of control, a description of the controls. The easement will be executed by the Property Owner in a manner enforceable by the State of New York to establish and maintain the environmental easement and will be in a recordable form pursuant to Real Property Law Section 291. The environmental easement will contain legal deed restrictions specifying the following:

- the site may continue to be used for the uses set forth in the VCA and Environmental Easement only;

- the site can not be used for day care, child care, or medical care purposes without the consent of the NYSDEC;

- groundwater at the site may not be used for potable purposes unless the NYSDEC provides express written permission to allow use for a specific potable purpose; continued use of groundwater for the existing waterfall is permissible; and

- the asphalt parking areas and landscaped areas are considered engineering controls which must be perpetually maintained.

Evidence of the filing of the Environmental Easement with the Westchester County Clerk's Office will be forwarded to designated NYSDEC representatives.

APPENDIX B

Health and Safety Plan

FINAL REPORT

500 Mamaroneck Avenue Associates

Health and Safety Plan
500 Mamaroneck Avenue Site
Harrison, New York

January 2005

0016447

Environmental Resources Management
475 Park Avenue, Floor 29
New York, NY 10016

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1.0 *INTRODUCTION*

1) This health and safety plan (HASP) has been developed for the completion of potential future intrusive work at the 500 Mamaroneck Avenue Site (Site) located in Harrison, New York. The HASP will be updated if needed to address specific work at the site.

1.1 *IMPLEMENTATION*

A copy of this HASP will be made available to all employees prior to their Site work. They will be required to review this plan before the start of any Site activities. All other personnel involved with intrusive activities will have received a pre-entry briefing.

The procedures set forth in this HASP are designed to reduce the risk of exposure to chemical substances and physical or other hazards that may be present. The procedures described herein were developed in accordance with the publications indicated below:

1. Safety and Health Standards 29 CFR 1910 (General Industry), US Department of Labor, Occupational Safety and Health Administration (OSHA). Hereafter, referred as "29 CFR 1910."

2. OSHA 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response, U.S. Dept. of Labor, OSHA.

3. OSHA Safety and Health Standards 29 CFR 1926 (Construction Industry), U.S. Department of Labor, OSHA.

4. OSHA Safety and Health Standards 29 CFR 40 Part 61 Nation Emissions Standards of Hazardous Air Pollutants, U.S. Dept. of Labor, OSHA.

5. OSHA Safety and Health Standards 29 CFR 40 Part763 Asbestos, U.S. Dept. of Labor, OSHA.

6. Standard Operating Safety Guides, U.S. Environmental Protection Agency (EPA), Office of Emergency and Remedial Response.

7. Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health (NIOSH).

The recommended health and safety guidelines within this HASP will be modified if future information changes the activities to be performed or the characterization of the area in which work is to be performed.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately ½ mile south of the Hutchinson River Parkway at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1-1. The Town of Harrison defines the property as Block 482, Lot 8.

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were

removed prior to construction of the current office building development. This material was removed only from that portion of the site that was improved (the portion closest to Mamaroneck Avenue). Water is provided by the local municipal system and the site therefore has no drinking water well(s). A bedrock well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small seasonal wet area is located in the northeastern portion of the property, immediately east of the northern portion of the parking area. The wet area appears on the 1990 U.S. Department of the Interior Wetlands Inventory Map and is described as a Palustrine - Scrub/Shrub - Broad leaf - deciduous-seasonally flooded area. The area is not shown on the 1987 N.Y. State Fresh-Water wetlands map and is therefore not regulated by the NYSDEC.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences further to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.3 *CHEMICAL AND PHYSICAL HAZARDS*

1.3.1 *Chemical Hazards*

The exposure limits and physical properties for the chemicals of concern (PAHs, PCBs, and metals) are summarized in Table 1-1. The potential pathways of chemical exposure include inhalation, ingestion, injection, and skin contact. This information was used to develop action levels for on-Site activities. Although the chemicals identified are a potential health concern, measures will be taken to minimize potential for exposure.

1.3.2 *Physical Hazards*

Table 1-2 contains a summary of potential physical hazards that may be encountered during potential intrusive work activities. In addition, employee exposures to excessive noise may adversely effect their safety and health. As with chemical exposures, noise exposures are time dependent and guidelines will be established in accordance with OSHA 1910.95.

2.0 *PERSONNEL RESPONSIBILITIES*

The following responsibilities and authorities should be assigned to personnel during intrusive activities.

2.1 *HEALTH AND SAFETY PROGRAM MANAGER*

A designated Health and Safety Program Manager (HSPM) is assigned to manage the health and safety program. The HSPM must have a certified industrial hygienist (CIH) or certified safety professional (CSP) certification at a minimum, and has the authority to command sufficient resources to safely perform the work. The HSPM shall also demonstrate experience at numerous hazardous waste sites and has experience with State and Federal Occupational Safety and Health regulations.

2.2 *SITE HEALTH AND SAFETY OFFICER*

The Site Health and Safety Officer (SHSO) is assigned to manage health and safety at the Site. The SHSO will provide day-to-day industrial hygiene support, including air monitoring, training, and Site safety inspections. The SHSO has the authority to stop on-Site operations whenever conditions threaten the health or safety of employees or the surrounding community. The SHSO or designee will remain on-Site during all project operations.

- The SHSO will complete a daily diary of activities, which includes Health and Safety procedures, such as equipment calibration and maintenance.

2.3 *SUBCONTRACTORS*

Subcontractors hired to conduct intrusive work involving impacted soils at the Site will be provided a copy of this HASP. Subcontractors involved

with intrusive activities involving impacted soils at the Site will be informed of the health and safety concerns and will be responsible, at a minimum, for maintaining the health and safety requirements presented in this HASP. Information, such as air monitoring and analytical results, will be shared with subcontractors to assist them in addressing the health and safety recommendations.

Subcontractors involved with intrusive activities involving impacted soils at the Site must meet the training, respirator certification and medical examination requirements of the OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120). Subcontractors involved with intrusive activities involving impacted soils at the Site will be required to provide completed certification forms for this purpose.

3.0 *PERSONNEL TRAINING*

All personnel associated with intrusive activities involving impacted soils at the Site must participate in a health and safety training program that complies with OSHA 29 CFR 1910.120, HAZWOPER, prior to mobilization at the Site. This program instructs employees on the intent of the standard, health and safety principles/procedures, proper operation of monitoring instruments, use of PPE, decontamination, and Site specific emergency plans.

All personnel have an initial 40-hour training course. This course is supplemented by an annual 8-hour refresher course. Any chemical specific training that may be required will be based upon compliance with 29 CFR 1910.1200, Hazard Communication. Personnel responsible for supervision and on-site management relative to Site operations receive an additional 8 hours of specialized training. Additional training is provided for those employees responsible for responding to Site emergencies.

A copy of this HASP will also be made available to all personnel for review. All employees will complete a Health and Safety Plan review form to verify they have reviewed this plan and a copy of the form is provided as Exhibit 1 in Appendix B. All subcontractors involved with intrusive activities involving impacted soils at the Site are required to certify that their employees have received medical exams, training and are capable of respirator usage. The Contractor Occupational Safety and Health Certification form is attached as Exhibit 3. All employees and subcontractors will also be required to fill out a field medical data sheet (Exhibit 5) prior to starting activities at the Site.

All on-Site personnel involved with intrusive work will attend a pre-entry briefing on the chemical and physical hazards associated with the Site.

The initial health and safety briefing will consist of the following information:

- Names of personnel and alternates responsible for Site safety and health.
- Injury, illness, and other hazards present on the Site.
- Safe use of engineering controls and equipment on-Site.
- Work practices by which the employee can minimize risks from hazards.
- Selection, use, care, and maintenance of Personal Protection Equipment (PPE).
- Site control procedures.
- Site decontamination procedures.
- Standard operation safety procedures.
- Review of Emergency Response Plan.

A daily tailgate meeting will be conducted prior to starting any intrusive activities. The topics covered will include a reminder of Site hazards, target activities for the day's work, potential changes in observed exposure levels, staff changes (e.g., due to illness) and responsibilities.

4.0 SITE MONITORING AND PERSONAL PROTECTIVE EQUIPMENT

4.1 PERSONAL PROTECTIVE EQUIPMENT

The various types of PPE and levels of protection to be used during Site activities are discussed in this section. These levels are based upon OSHA guidelines presented in 29 CFR 1910.120 as well as previous investigation results summarized in Table A-1 of Appendix A. All equipment will carry applicable MSHA/NIOSH approvals.

The SHSO will determine the necessity to upgrade, downgrade or modify levels of protection. The SHSO will make entries in the Daily Site Safety Log when protection levels are modified, explaining the reason for the modification. Currently, Level D PPE and potentially Level C are required for Site activities. If level C protection is determined to be necessary during the implementation of the remedy based upon particulate air monitoring (see Section 9.0), the HASP will be revised at that time. Descriptions of Levels D and C PPE are as follows:

Level D Protection

- Coveralls or work uniform affording protection from nuisance dust contamination.
- Steel-toe work boots.
- Safety glasses.
- Hard hat.

Optional Equipment as required by the SHSO

- Chemical resistant outer gloves and inner latex surgical gloves;
- Rubber overboots;
- Hearing protection;
- Disposable dust masks;
- Disposable outer coveralls;

- Portable 2-way radios;
- Chemical splash goggles.

Level C Protection

- Full-face air purifying respirator (APR) equipped with a HEPA pre-filter and organic vapor cartridge (combination cartridge). This type of respirator should be used when employees risk exposure to volatile organics and/or particulate matter.
- Chemical-resistant coveralls (i.e., SARANEX coated Tyvek).
- Chemical resistant outer gloves (i.e., polyvinyl alcohol-PVA) and inner latex surgical gloves.
- Steel-toe work boots with rubber overboots.
- Chemical-resistant tape over seams in protective clothing (gloves and boots).
- Hard Hat.

Optional Equipment as Required by the SHSO

- Hearing protection.
- Splash-shield (full-face coverage, eight-inch minimum) or splash hood.
- portable 2-way radios.

4.2 *SITE MONITORING AND LEVELS OF PROTECTION*

Intrusive activities at the Site may create potentially hazardous conditions, such as the release of hazardous substances into the employee breathing zone or surrounding area. An evaluation of chemical hazards at the Site will be performed to ensure employee safety and selection of appropriate PPE. Air monitoring will be conducted using direct reading instruments.

The following section describes the monitoring parameters to be evaluated during intrusive activities. Specific analytical instruments and air monitoring action levels are also discussed in the following section.

Contaminants found at the Site include poly aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and metals within dust generated from impacted soils. These contaminants were detected in on-site soils. Generally, metals, PCBs, and PAHs will not be volatile, therefore the primary exposure pathway for these constituents is considered to be respiratory inhalation of dust (airborne particulates) and/or ingestion, injection, and/or skin contact with soil which contains concentrations of these metals, PCBs, and PAHs.

Since particulates may become airborne when intrusive activities involving impacted soils at the Site are conducted, employee exposures may occur through inhalation. Since there are no practical, direct-reading monitors to determine the actual concentrations of metals, PCBs or PAHs in dust that site workers may be exposed to during intrusive activities involving impacted soils at the Site, dust action levels have been established that provide adequate protection for exposure to airborne metals, PCBs, and PAHs in dust. These action levels are established by 1) assuming that all soils contain the maximum known concentrations of the metals, PCBs, and PAHs of concern, and then 2) calculating applicable dust concentrations that would ensure that the contaminant concentrations are less than the OSHA PELs for those contaminants. The equation, and actual calculations for these contaminants are presented in Appendix A and in Section 4.2.3.

These estimates are to be used as "potential" maximum concentrations within the employee breathing zones if employees are working within 2 feet of the exposed contaminant source. Temperature, wind speed, and other environmental factors have not been used in these calculations, and, therefore, the results in Appendix A are worst case estimates.

Total dust concentrations at the Site will therefore be monitored under the direction of the SHSO. These continuous air monitoring results will be

compared to the action level criteria for upgrading or downgrading levels of protective equipment and implementing additional precautions or procedures. Dermal protection afforded by Level D protective clothing shall be required regardless of air monitoring results.

Due to the anticipated low concentrations of constituents during intrusive activities, personnel working within the EZs will begin work operations with Level D PPE. Air monitoring will be utilized to determine if upgrade to Level C PPE is necessary based upon comparisons to the Site specific action levels. Field personnel will first implement engineering and administrative controls (e.g. work upwind and apply basic hygiene principles) to reduce the risk of exposure. If further protection is necessary, then PPE will be upgraded to Level C.

4.2.1 *Site Monitoring Instruments*

All air monitoring will be conducted with appropriate equipment to identify the contaminants of concern at the Site. The following instruments will be utilized, as necessary, to quantify the suspected materials at the Site:

- *Particulate* – A digital particulate monitor such as the MIE Personal DataRam (PDR-1000) will be used to measure total particulate levels in air. The SHSO may elect to utilize additional instrumentation, such as the MIE DataRAM, to obtain respirable airborne particulate concentration data.

Direct reading instruments will be used continuously during any intrusive activities. All instruments used during Site activities will be intrinsically safe for use in designated areas. Instruments will be calibrated prior to use and on an as-needed basis, thereafter consistent with the manufacturer's recommendations. Calibration information will be documented in a Daily Site Safety Log.

All Site monitoring will be conducted under the supervision of the SHSO. All on-Site readings will be recorded by the SHSO in the Daily Site Safety Log.

4.2.2 *Site Monitoring Frequency*

Site monitoring will be conducted to assess both the current conditions and changing status of airborne dust concentrations. The following air monitoring schedule will be performed at the Site:

- *Initial Background* - Upon initial entry and prior to initiation of any Site activities, to identify background baseline conditions, exposures above OSHA-PELs and Site specific action levels.
- *Daily Background* - Prior to initiation of daily Site activities within the EZ and at the conclusion of daily Site activities. Includes both upwind and downwind locations.
- *Work Activities* – Rotate between work areas on a continuous basis.
- *Contaminant Migration* - Degree of contaminant migration will be evaluated by viewing the perimeter monitoring instruments every two hours or more frequently if deemed necessary by the SHSO during intrusive activities. Readings will be obtained from a minimum of four stations.

Site monitoring will be conducted under the direction of the HSO and may be revised based on previous sampling results and current Site conditions. Site monitoring results will be documented in the Daily Site Safety Log provided as Exhibit 2. Sampling for subsequent laboratory analysis will not be performed unless otherwise specified.

4.2.3 *Action Levels*

The following action levels have been established for activity cessation, site evacuation, emergency response, implementation of special procedures, and the upgrade or downgrade in the level of PPE. The action levels are based upon OSHA Final Rule PELs promulgated by 29 CFR 1910 Subpart Z - Toxic and Hazardous Substances. However, not all

OSHA regulated compounds have action levels. As a result, often times 50% of the PEL or TLV is used as an action level, which indicates the need for further investigation, improved engineering controls and/or upgrading PPE.

The primary exposure pathway for all site contaminants is considered to be respiratory inhalation of dust (airborne particulates) generated during intrusive activities disturbing the soil. Based on the methodology described at the beginning of this section, the following action levels (allowable particulate concentrations) have been calculated:

Copper:

[1.0 mg copper/m^3 of air)] * [1,000,000 mg soil/kg soil] = [625 mg soil/m^3 of air]
[1,600 mg copper/kg soil]

Lead:

[0.05 mg lead/m3 of air)] * [1,000,000 mg soil/kg soil] = [2.43 mg soil/m3 of air]
[20,600 mg lead/kg soil]

Zinc:

[15.0 mg zinc/m3 of air)] * [1,000,000 mg soil/kg soil] = [3,119 mg soil/m3 of air]
[4,810 mg zinc/kg soil]

Arsenic:

[0.01 mg arsenic/m3 of air)] * [1,000,000 mg soil/kg soil] = [262 mg soil/m3 of air]
[38.2 mg arsenic/kg soil]

Cadmium:

[0.005 mg cadmium/m3 of air)] * [1,000,000 mg soil/kg soil] = [128 mg soil/m3 of air]
[39 mg cadmium/kg soil]

Chromium:

[0.5 mg chromium/m3 of air)] * [1,000,000 mg soil/kg soil] = [3,846 mg soil/m3 of air]
[130 mg chromium/kg soil]

Magnesium:

[5 mg magnesium/m3 of air)] * [1,000,000 mg soil/kg soil] = [227 mg soil/m3 of air]
[22,000 mg magnesium/kg soil]

Mercury:

[0.1 mg mercury/m3 of air)] * [1,000,000 mg soil/kg soil] = [1,550 mg soil/m3 of air]

[64.5 mg mercury/kg soil]

Nickel:

[1 mg nickel/m3 of air)] * [1,000,000 mg soil/kg soil] = [7,692 mg soil/m3 of air]
[130 mg nickel/kg soil]

Polychlorinated Biphenyls:

[0.5 mg PCBs/m3 of air)] * [1,000,000 mg soil/kg soil] = [119,000 mg soil/m3 of air]
[4.2 mg PCBs/kg soil]

PAH[1]:

[0.2 mg coal tar pitch volatiles/m3 of air)] * [1,000,000 mg soil/kg soil] = [71.8 mg soil/m3 of air]
[2,784 mg total PAH in B-41/kg soil]

These calculations show that any particulate action levels less than 2.4 mg soil/m^3 are also protective of exposures to the metals, PAHs, and PCBs of concern. The complete rationale and derivation of these calculations are presented in Appendix A and the contaminant migration guidelines are described in Section 9, Community Air Monitoring Program.

4.3 *LEVELS OF PROTECTION*

Until otherwise necessary, all employees performing Site activities will utilize Level D PPE. The number of intrusive activities occurring at one time will be minimized to limit the potential for dust to become airborne. Ambient air monitoring will be conducted daily within the EZs to evaluate potential employee exposures.

Monitoring results for the total airborne particulate concentration will be compared to established action levels to determine if the level of PPE currently used for the specific work activity offers adequate protection. The HSO will make the final decision regarding the level of protection for on-Site workers based upon the measurements indicated by direct reading instruments.

Furthermore, ambient air monitoring will also be conducted at the perimeter of the EZs to determine potential contaminant migration. Perimeter monitoring is described in further detail in section 10.0.

4.4 *REASSESSMENT OF THE HEALTH AND SAFETY PROGRAM*

The levels of protection chosen for the intrusive work at the Site are based on information obtained from historical Site records and the results of investigations already completed at the Site. As additional work is conducted, additional information concerning the types and quantities of material present at the Site will be obtained. This additional information will be used to re-evaluate the chosen levels of protection. Levels of protection for various work activities will be modified if this additional information warrants such an action.

4.5 *LOGS, REPORTS AND RECORDKEEPING*

All logs, reports and records related to this project will be maintained in the custody of the SHSO.

5.0 DECONTAMINATION

5.1 GENERAL PERSONNEL DECONTAMINATION

Personnel involved with intrusive activities may be exposed to contaminants in a number of ways, despite the most stringent protective procedures. While performing intrusive activities involving impacted soils, Site personnel may come in contact with hazardous substances. Site equipment and monitoring instruments may also be exposed to hazardous substances.

In general, decontamination involves scrubbing with a detergent/water solution followed by clean water rinses. All disposable items shall be disposed of in designated lined containers to be sent for off-Site disposal. Non-disposable equipment will be decontaminated in the CRZ each time it leaves the EZ. Certain parts of equipment, such as cloth components, are difficult to decontaminate. If grossly contaminated, they may have to be soaked for a period of time in a cleaning solution. Rubber components shall be soaked in detergent/water and scrubbed with a brush.

In addition to decontamination, all non-disposable protective clothing and personal articles soiled from exhalation or perspiration, must be sanitized before they can be used again. Each worker will be responsible for the proper maintenance, decontamination, and sanitizing of his/her own non-disposable PPE.

All PPE and decontamination water will be contained in 55-gallon drums for sampling and a determination of appropriate disposal. Details of this procedure are provided in Section 5.4.

5.2 *PERSONNEL DECONTAMINATION PROCEDURES*

The following procedures have been established to provide Site personnel with minimum guidelines for proper decontamination. These minimum procedures must be followed by personnel leaving the EZ (see Section 6.3). The decontamination process shall take place at a reasonable distance from any area of potential contamination.

Designated stations will be established within the CRZ and include at least wash tubs, scrub brushes, detergent/water and rinse water when appropriate for non-disposable equipment. Non-disposable equipment will be cleaned and staged for the next use. Wash stations shall consist of a potable water supply, hand soap and clean towels. In most instances, employees will perform self-decontamination. In cases where further assistance is necessary, employees will be designated to work within the CRZ to assist employees with decontamination. Modifications of the decontamination procedures may be necessary as determined by the HSO. Decontamination solutions will be contained in 55-gallon drums, sampled and disposed of consistent with regulatory guidance and applicable regulations.

5.3 *DECONTAMINATION PROCEDURES FOR PRESCRIBED LEVELS OF PROTECTION*

The following decontamination procedures shall be implemented during Site activities for the appropriate level of protection.

Level D - Personal Protection Decontamination Procedure

Step 1 - Segregated Equipment Drop: Deposit contaminated equipment (tools, sampling devices, monitoring instruments, etc.) onto plastic drop cloths.

Step 2 - Boot, Outer Glove and Coverall Wash: Brush overboots (if used), outer gloves (if used) and coveralls (if used) free of residual materials. If necessary, wash with detergent/water solution and rinse with water.

Step 3 - Boot, Outer Glove and Coverall Removal: Remove overboots (if used), outer gloves (if used), and coveralls (if used) in that order. Place disposable overboots, outer gloves, and coveralls into a container with a plastic liner. Stage non-disposable equipment for future use.

Step 4 - Inner Glove Wash and Removal: Wash and remove inner gloves (if used) and place in lined container.

Step 5 - Field Wash: Wash hands and face thoroughly.

Level C - Personal Protection Decontamination Procedure (if required)

Step 1 - Segregated Equipment Drop: Previously described.

Step 2 - Overboot, Outer Glove and Coverall Wash: Overboots, outer gloves and coveralls shall be scrubbed with a detergent/water solution.

Step 3 - Overboot, Outer Glove and Coverall Rinse: Rinse overboots, outer gloves and coveralls using generous amounts of water.

Step 4 - Tape Removal - Remove tape from around boots and gloves and place into container with a plastic liner.

Step 5 - Removal of Overboots and Outer Gloves: Remove overboots and outer gloves in that order. Non-disposable overboots and gloves will be staged for future use and disposable overboots and gloves will be placed into a container with a plastic liner.

Step 6 - Cartridge Change: This is the last step in the decontamination procedures for those workers wishing to change respirator cartridges and return to the EZ. The workers cartridges are exchanged, new outer gloves and overboots are donned, and joints are taped. For workers moving to support zone (SZ), spent cartridges will be removed as part of step 9.

Step 7 - Removal of Chemical-Resistant Clothing: With care, remove chemical resistant suit. The exterior of the suit shall not come into contact with any inner layers of clothing. Place disposable clothing in container with plastic liner.

Step 8 - Inner Glove Wash and Rinse: Inner gloves shall be washed with a detergent/water solution and rinsed with water.

Step 9 - Remove Respirator: Remove respirator and place on plastic. Keep face/glove contact to a minimum.

Step 10 - Inner Glove Removal: Remove inner gloves and deposit in container with plastic liner.

Step 11 - Field Wash: Wash hands and face thoroughly.

5.4 *DECONTAMINATION WASTEWATER, PPE AND SAMPLING EQUIPMENT DISPOSAL PROCEDURES*

Intrusive work activities will generate small quantities of decontamination wastewater, spent PPE, and expended disposable sampling equipment that will be contained in 55-gallon drums for off-Site disposal. Drums must be sampled, characterized and disposed of within a reasonable time period after sampling has been completed, as defined below. Drums will be placed adjacent to the CRZ for ease in placing waste materials in the drums, and for subsequent transportation and off-Site disposal. All drums will be secured at the end of each day by placing the lid on the drums, securing the ring back on the drums, and by tightening the drum bolts.

Drums containing spent PPE and disposable, sampling equipment will be assumed to be a non-hazardous waste, labeled with commercially available DOT labels, and disposed of at a permitted off-Site facility. Waste characterization samples will be collected from the drums and analyzed prior to disposal. The PPE and sampling equipment drums as well as the drums containing decontamination wash water will remain on-Site until the waste characterization data is available and arrangements for disposal have been finalized.

Waste characterization samples of the decontamination wash water will be collected on the last day of fieldwork and shipped to an NYSDOH accredited laboratory for analysis. The drums containing decontamination wash waters will be labeled indicating that the drums

contain waste material that must be managed as "Non-Hazardous" unless classified otherwise in accordance with ongoing laboratory analysis. All spent PPE, disposable sampling equipment and decontamination wash water drum labels will contain the following information:

- the name and address of the generator;
- the contents of the drum;
- drum content classification (i.e. Hazardous, Non-Hazardous, PCBs etc.);
- appropriate warnings relative to the material classification;
- the operation that generated the contents;
- the start accumulation date;
- the telephone number of the responsible contact; and
- any other appropriate information relative to the drum's classification.

Following receipt of the analytical results of the drum characterization samples, the waste decontamination wash water will be profiled as either "RCRA and/or TSCA Hazardous" or "Non-Hazardous" and appropriate arrangements will be made for transportation and off-Site disposal of the drums. The labels on the drums will then be changed to reflect the appropriate classification prior to shipment for off-Site disposal. In addition, the waste characterization data will be used to complete the appropriate hazardous waste classification and waste manifest forms for the spent PPE and the disposable sampling equipment.

It is anticipated that the drums of waste to be generated through the sampling work will be removed from the Site for disposal within 45 days after the termination of field activities. All activities related to drum storage and/or transportation for off-Site disposal should be with the NYSDEC. Copies of all waste disposal manifests and other documentation (i.e. Certificates of Disposal) will be provided when they become available.

6.0 SITE ACCESS AND SITE CONTROL

6.1 SITE ACCESS

Access to Site activity areas will be limited to authorized personnel only. Such personnel include workers, subcontractors and regulatory personnel. Access into the work areas will be limited to those authorized personnel with appropriate training, fit testing and medical surveillance, and wearing appropriate PPE. All active areas will be monitored by the SHSO to ensure unauthorized personnel do not enter.

6.2 SITE CONTROL

Certain procedures must be followed to ensure suitable control and limitation of access. For purposes of this plan, the "Site" refers to all work areas of the project. All personnel entering the Site will report to the SHSO prior to conducting any field activities. Entrance onto the Site will only be permitted for authorized personnel. Specific work areas will be delineated.

6.3 WORK ZONES

Both physical and chemical hazards can be minimized by the establishment and maintenance of work zones. No zones shall be delineated so as to block active roads. Work activities should always be conducted using the "buddy" system, which includes two or more employees.

Intrusive work performed at the Site may have the potential to cause elevated employee exposures to contaminants.

1)

All work areas for specific activity should have its own Exclusion Zone (EZ) and Contaminant Reduction Zone (CRZ), or some activities may have overlapping or shared EZs and CRZs. The Support Zone (SZ) will typically be a contiguous common area. *Exclusion Zones*

An EZ shall be established for each respective intrusive activity work area. The EZ will be an area where contamination may be present. All personnel entering an EZ shall wear the prescribed level of PPE.

The EZ shall be delineated by the field personnel to take into account the limits of the operating area and the spatial requirements of equipment and personnel. The perimeter of the EZ shall be delineated with a temporary warning tape or equivalent to ensure no unauthorized entry. All persons within the EZ shall wear the required level of personal protection. A wind direction indicator (i.e., wind sock or surveyor tape) will be located in the EZ to continuously monitor wind direction. A work area shall remain an EZ until sampling and intrusive work are completed.

Contaminant Reduction Zones

The CRZ will be the area designated as the transition zone between the EZ and the SZ. A CRZ shall be established for each respective EZ. The CRZ will be used for performing decontamination of personnel and equipment. Each CRZ will be clearly labeled by placing tape around the CRZ boundary. Entry to these areas will be restricted to necessary personnel required to perform the designated activity.

Support Zone

The SZ will consist of all the remaining areas of the Site that are considered non-contaminated or "clean." The SZ is the remaining area outside the EZs and CRZs. Support equipment is located within this zone,

and personnel may wear normal work clothes within this zone. While in the SZ, employees will don the required PPE prior to entering the EZ. Any potentially contaminated clothing, equipment, and samples shall remain in the CRZ until decontaminated.

7.0 *EMERGENCY RESPONSE*

An emergency response contact list is provided as Table 7-1. A Hospital Route Map and contact information is presented as Figure 7-1. Both are located at the end of this Section.

An on-Site emergency may be the result of chemical exposures, chemical spills, and/or physical exposures, such as fire. In order to ensure that all employees involved with Site activities are familiar with emergency procedures, the following emergency response plan has been developed in accordance with 1910.120 (l) and 1910.38 (a). This plan includes the following:

- Pre-emergency planning
- Reporting systems
- Emergency evacuation procedures, routes, and Roster Point
- Employee alarm systems
- Rescue and medical duties for those employees trained to perform them

This plan will be communicated orally to the employees, in accordance with 1910.38 (a)(5)(iii) and presented herein.

7.1 *PRE-EMERGENCY PLANNING*

Pre-emergency planning is an integral part of any emergency response. Prior to the commencement of fieldwork, the project team will meet to discuss the projects' health and safety requirements. Personnel roles, lines of authority and communication will be addressed, so that when the fieldwork begins, the field team will be familiar with their responsibilities.

7.2 *NOTIFICATION OF SITE EMERGENCIES*

Appropriate authorities, as indicated on Table 7-1, will be immediately notified of the nature and extent of the emergency. Emergency procedures, under direction from the SHSO, will be initiated as indicated in Section 7.8. The SHSO will notify and coordinate activities with regulatory representatives.

7.3 *RESPONSIBILITIES*

The SHSO will be responsible for responding to all emergencies, and will:

- Notify appropriate authorities and/or health care facilities of the activities and hazards of Site operations. Table 7-1 provides emergency telephone numbers that will be posted within the support zone.

- Ensure that a hospital route map (Figure 7-1) which details the most direct route to the nearest hospital and the list of emergency telephone numbers (Table 7-1) are posted on Site in the trailers, and in all Site support vehicles. Both the route to the hospital and emergency contacts will also be posted in the SZ adjacent to where intrusive activities are being conducted. The SHSO will require all drivers of the support vehicles to become familiar with the emergency route and the travel time required at the beginning of project operations.

First Aid

At least one "industrial" first aid kit shall be provided and maintained fully stocked at an easily accessible uncontaminated location. In addition, dry chemical fire extinguishers shall be provided at any site location where flammable materials may present a fire risk.

All certified first aid responders have received and reviewed a copy of the Bloodborne Pathogens Standard, OSHA 29 CFR1910.1030, which describes the requirements regarding training, PPE, and post-exposure follow-up in the event of an exposure incident.

7.4 *DECONTAMINATION PROCEDURES FOR EMERGENCY INCIDENTS*

Should an injured person have an excessive exposure to contaminated soil they will be decontaminated, if appropriate, and brought immediately to the hospital. The SHSO will decide whether or not to decontaminate an affected employee, and the decision will be based upon the type and severity of the illness or injury and the nature of the contaminant. For some emergency victims, immediate decontamination may be an essential part of life-saving first aid. For others, decontamination may aggravate the injury or delay life-saving treatment. If decontamination does not interfere with essential treatment, it may be performed by any employee trained in the appropriate decontamination procedures, including personal protective clothing.

While performing the decontamination procedures, the protective clothing of the affected employee will be washed, rinsed and/or cut off. If decontamination cannot be performed, then the victim will be wrapped in blankets, plastic or rubber to reduce contamination of other personnel. Emergency and offsite personnel will be alerted to potential contamination, and they will be instructed in specific decontamination procedures if necessary. At least one person familiar with the incident will be sent along with the victim during emergency treatment.

7.5 *ACCIDENTS AND INJURIES*

In the event of an accident or injury at the Site, appropriate emergency measures must be taken immediately to assist those who have been

injured or exposed, and to protect others from hazards. The SHSO shall be immediately notified and will respond according to the seriousness of the injury.

If the emergency involves personnel injuries, local Emergency Services will be contacted immediately. The SHSO, or a person designated by the SHSO, should be prepared to provide the following information:

- exact location of the emergency;
- phone number he/she is calling from;
- type of injury(ies);
- how many persons have been injured; and
- what assistance or first aid is being given to the injured person(s).

Do NOT hang up unless told to do so. In most cases, the EMS dispatcher will require the caller to *stay on the phone*.

When emergency services arrive, Site personnel shall immediately inform them of the details of the situation and what type of chemicals and hazards may be encountered on the Site. If available, Material Safety Data Sheets (MSDSs) should be given to the responders.

If warranted by the severity of the incident, emergency response personnel may enter the EZ dependent upon monitoring data. If appropriate, emergency personnel will exit the EZ through the CRZ utilizing the same decontamination procedures as are applicable to remediation workers.

The SHSO will observe and document any and all recognized symptoms of injury or illness. A reference of common symptoms is provided as Table 7-2.

All occupational injuries and illnesses will be documented by the SHSO on an OSHA 101 form. Completed forms will be faxed immediately to the HSO for appropriate action.

7.6 *SITE COMMUNICATIONS*

Telephones will be used as the primary off-Site communication network. Telephone services will be made available on-site by personnel mobile phones.

On-Site communications will be maintained via verbal communication and hand signals. Site communication systems will be set up by the SHSO. When verbal communication is ineffective, hand signals will be utilized.

- Hand grips throat - Can't breathe!
- Grip partner's wrist - Evacuate area immediately!
- Hands on top of head - Need Assistance.
- Thumbs up - O.K., No problem.
- Thumbs down - No, Negative.

Since the communication system also serves as the employee alarm system, all emergency messages shall have priority over all non-emergency messages. A test of the reliability and adequacy of non-supervised employee alarm systems should be conducted every two months, in accordance with 1910.165(d)(2).

7.7 *SITE ACCESS AND SECURITY*

In an emergency the SHSO must know who is on the Site and must be able to control the entry of personnel into the EZ areas to prevent additional injury and exposure. Therefore, access to Site activity areas will be limited to authorized personnel with appropriate training and medical surveillance, and wearing appropriate PPE. Such personnel may include authorized Owner representatives, subcontractors, and regulatory

personnel. All active areas will be monitored by the SHSO to ensure unauthorized personnel do not enter.

Sign-in procedures will be implemented to ensure that only authorized personnel participate in EZ activities. The SHSO will coordinate this effort and maintain documentation accordingly. An EZ Sign-In Sheet is presented as Exhibit 6 and a Site Sign-In Sheet is presented as Exhibit 7.

8.0 SPECIAL PRECAUTIONS AND PROCEDURES

8.1 POTENTIAL RISKS

Intrusive activities at the Site may pose potential exposure risks from both chemical and physical hazards. The potential for chemical exposure to hazardous substances is significantly reduced through the use of personal protective clothing, dust suppression and other engineering controls and implementation of safe work practices including air monitoring.

Physical hazards associated with the activities can also be encountered. Physical hazards may be encountered during activities involving sampling, heavy equipment, temperature extremes, traffic and overhead or underground utilities. This plan establishes precautionary measures to reduce the risks of these hazards. The hazards are addressed below.

8.2 EXCAVATION PROCEDURES

Minimal excavation is anticipated at the Site. If excavation is necessary for any reason, employees performing excavation activities are required to follow guidelines established by OSHA in 1926.651. In accordance with this standard, employees will implement the following procedures:

- All surface encumbrances that are located so as to create a hazard to employees shall be removed or supported, as necessary, to safeguard employees;

- Structural ramps that are used solely by employees as a means of access or egress from excavations shall be designed by a competent person. When ramps or runways are constructed of two or more structural members of uniform thickness, they will be connected together to prevent displacement;

- A safe means of egress shall be located in trench excavations that are 4 feet or more in depth, so as to require no more than 25 feet of lateral travel for employees;

- Since potentially hazardous atmospheres may exist in the excavations at the Site, excavations 4 feet or greater in depth should be monitored using a PID and LEL/O_2 meter prior to entering the confined space;

- Emergency rescue equipment, such as breathing apparatus and a safety harness and line, shall be readily available where hazardous atmospheric conditions exist or may reasonably be expected to develop during work in an excavation;

- Employees will not work in excavations in which there is accumulated water;

- If excavation work disrupts the natural drainage of surface water, diversion ditches or dikes will be used to prevent the surface water from entering the excavation;

- Daily inspections of excavations will be made by a competent person as needed; and

- Walkways will be provided where employees or equipment are required to cross over excavations. Guard rails that comply with 1926.502 (b) will be provided where walkways are 6 feet or more above lower levels.

8.3 *HEAVY MACHINERY/EQUIPMENT*

All Site personnel must remain aware of those Site activities that involve the use of heavy equipment and machinery. It is essential that all personnel at the Site exercise extreme caution during operation of equipment and machinery to avoid physical injury to themselves or others. Personnel will always work under the assumption that the operator is not aware of their presence.

Machinery and equipment will be equipped with all appropriate safety and warning devices. Operators will inspect all machinery and equipment prior to operations. All unsafe or damaged equipment shall be identified by a "Danger - Do Not Operate" tag or equivalent.

8.4 *MAINTENANCE WORK*

Employees performing any type of maintenance work on mechanical equipment will take special precautions for potential exposures to dust. The particulate monitors will be used continuously during maintenance work to ensure that the most appropriate PPE is used, and for detecting excessive dust generation. In addition, lock-out/tag-out procedures will be implemented whenever maintenance activities are performed. These procedures will help protect all employees at the Site.

8.5 *HEAT STRESS*

The timing of activities may be such that heat stress may pose a threat to the health and safety of Site personnel. Acclimation periods and work/rest regimens will be implemented as necessary so that personnel do not suffer adverse effects from heat stress. Workers should be aware that heat stress can occur, and take applicable precautions.

8.6 *COLD STRESS*

The timing of intrusive activities may be such that cold stress may also present a threat to the health and safety of Site employees. Work/rest schedules, with rest in a warming shelter, will be implemented as necessary to reduce adverse effects from cold exposure. Cold stress, if necessary, will be monitored in accordance with the American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit value (TLV) for Cold Stress or equivalent. The addition of wind speed and the resulting wind chill will be considered when determining an appropriate work/rest schedule and appropriate clothing.

Site personnel will be encouraged to consume water to avoid dehydration. Potable water and/or a drink substitute (i.e., Gatorade) shall be available

for employee consumption. Workers will wear adequately insulated clothing to limit exposure to cold.

8.7 *TRAFFIC*

Areas of operation located along active thoroughfares will utilize traffic cones, flagmen, warning signs or other applicable measures to divert motorists safely around the Site activities. All employees involved in these activities will wear orange reflector safety vests.

8.8 *STANDARD SAFETY OPERATING PROCEDURES*

The following are additional safety precautions for Site activities:

- Eating, drinking, chewing gum or tobacco, smoking or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in the exclusion, decontamination and other designated work areas.
- Hands and face will be thoroughly washed upon leaving the work area and before eating, drinking, or any other activity.
- Contact with potentially contaminated surfaces will be avoided. Personnel, wherever possible, will not walk through puddles, mud, or other discolored surfaces; kneel on ground; lean, sit or place equipment on drums, containers, vehicles or the ground.
- Medicine and alcohol can increase the effect of exposure to toxic chemicals. Therefore:
  - Personnel using prescription drugs shall inform the doctor who prescribed them of their potential contact with toxic materials;
  - Personnel who take over-the-counter drugs within a day before work on-Site must inform the SHSO of the warnings listed on the drug's container (the part of the label that says, for example, "Do not take this medication if you are operating a motor vehicle");
  - Alcoholic beverage intake will be prohibited during project operations. Personnel under the influence of alcohol or recreational or illegal drugs will not be allowed on-Site.

- Personnel and equipment in the work areas will be minimized and consistent with effective Site operations.

- Hearing protection may be required for Site personnel working around heavy equipment. This requirement will be at the discretion of the SHSO.

- Any work operations conducted on hazardous energy sources will be performed in accordance with 29 CFR 1910.147 - Control of Hazardous Energy Sources.

- Employees will always utilize the buddy system.

- Material Safety Data Sheets (MSDSs) will be provided for all materials brought on-Site. MSDSs will be stored in a labeled binder inside the main trailer unit. Compliance with 1910.1200 Hazard Communication standard will be achieved by the SHSO during training sessions, as needed.

- All on-Site electrical systems will be maintained in accordance with 29 CFR 1926 Subpart K - Electrical and will meet applicable 1999 National Electric Code specifications.

- General trash and waste material will be deposited in designated receptacles.

- Whenever decontamination procedures for protective clothing are in effect, the entire body shall be thoroughly washed as soon as possible after the protective clothing is removed.

8.9 ACCIDENT PREVENTION PLAN

An accident prevention plan (APP) has been incorporated into this HASP as indicated below and as referenced in the appropriate sections.

Safety Meetings

Safety meetings will be performed each week. Pre-entry briefings will also be performed prior to the initiation of any new activity. Additional information is provided in Section 3.2.

Site Housekeeping

Form and scrap lumber with protruding nails and all other debris will be kept clear from all work areas in accordance with 29 CFR 1926.25. Combustible scrap and debris will also be removed at regular intervals. Containers will be provided for collection and separation of all refuse. Covers will be provided on containers used for flammable or harmful substances. Wastes will be disposed of at frequent intervals.

Mechanical Equipment Inspection

All vehicles in use will be checked at the beginning of each shift to ensure that all parts, equipment, and accessories that affect safe operation are in proper operating condition and free from defects. All defects will be corrected before the vehicle is placed in service in accordance with 29 CFR 1926.601.

9.0 *COMMUNITY AIR MONITORING PLAN*

Real-time air monitoring for particulate levels at the perimeter of each intrusive activity area will be conducted to ensure that the health and safety of on-Site workers and the Community is protected. The community air monitoring activities that will be conducted at the Site are described in the following sections.

9.1 *PARTICULATE MONITORING*

Particulates may become airborne during intrusive activities. The *Draft* Voluntary Cleanup Program Guide (NYSDEC, May 2002) Appendix D: "Generic Community Air Monitoring Plan" provides guidance for particulate monitoring, which is summarized herein. Because real-time monitoring can provide measurement results for respirable particulates, but not the non-volatile constituents of concern (metals, PAHs, and PCBs), perimeter monitoring for particulates will be conducted at the EZ boundaries rather than the perimeter of the property. The monitoring of total particulates, however, requires complex instrumentation. Therefore, the perimeter may be monitored for respirable particulates. This would result in a more conservative monitoring approach, providing greater protection to the community. The particulate monitoring instrumentation will measure particulate matter less than 10 micrometers in size (PM-10). The right to implement respirable particulate monitoring in lieu of total particulate monitoring is reserved should it be needed as the project progresses. In addition, fugutive dust migration will be visually assessed during all work activities. Particulate levels will be monitored as follows:

- A real time particulate datalogging monitor, such as an MIE Personal Data RAM (PDR-1000) or an MIE DataRAM for respirable particulates, will be set up to continuously collect and log particulate concentrations. Particulate concentrations will be continuously

measured and logged at the upwind and downwind perimeters of the EZ at temporary particulate monitoring stations.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than the upwind measurement for a 15-minute period an audible alarm will sound and dust suppression techniques will be employed.

- The monitoring stations must be viewed/inspected at least every two hours to determine the current airborne particulate concentrations. If the audible alarm sounds between inspections, the monitors will be checked immediately. The upwind and downwind concentrations will be compared to determine whether the downwind PM-10 level is 100 mg/m^3 greater than the upwind concentration and dust control measures need to be implemented. Airborne particulate concentrations observed during these inspection rounds will be documented in writing in the health and safety log.

- At any time that visible dust is observed crossing the property line, EZ activities will be stopped at that time and corrective action taken.

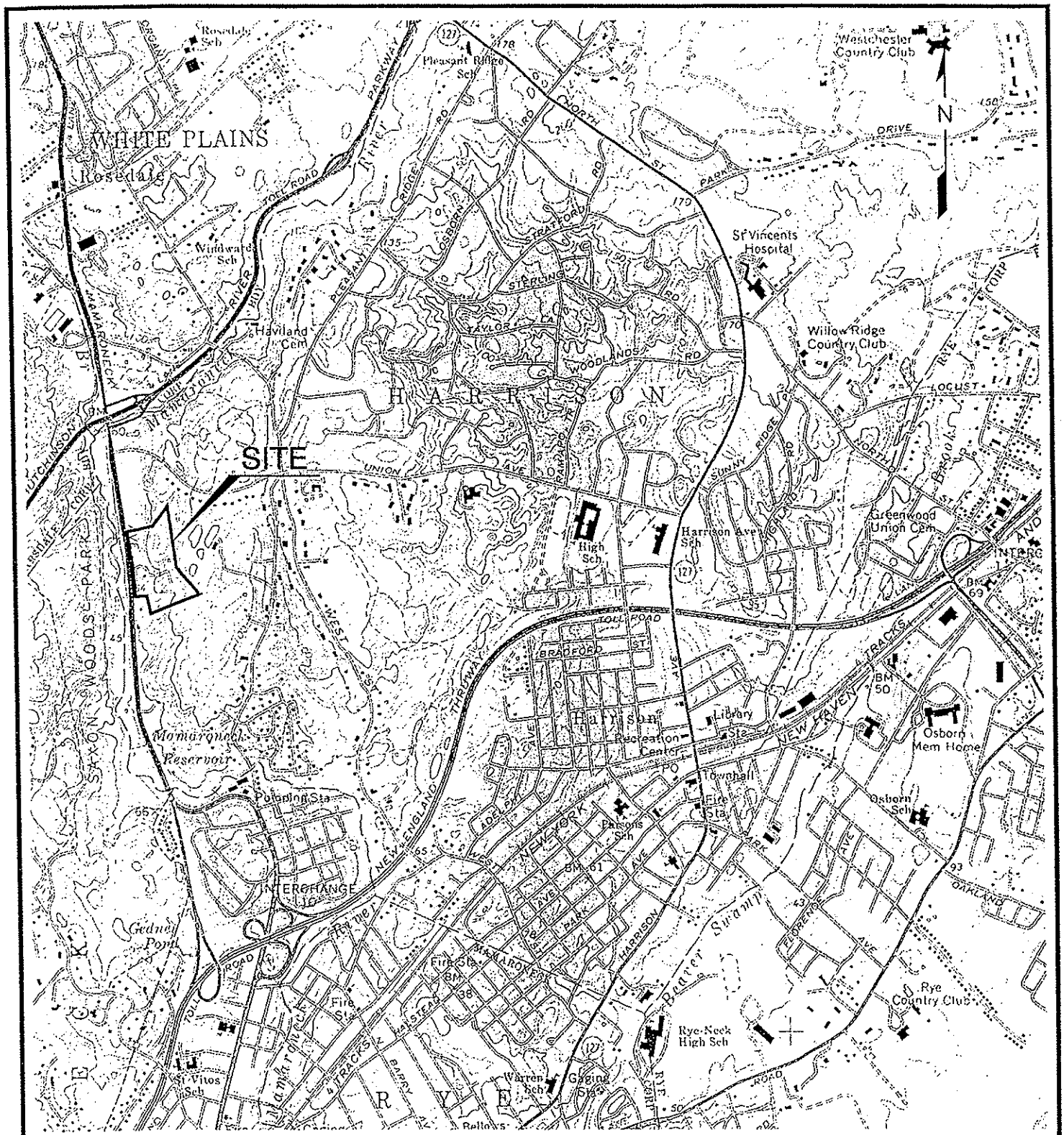
- Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If after implementation of dust suppression techniques, PM-10 particulate levels integrated over the STEL period are observed to exceed 0.150 mg/m^3 above the upwind level at the perimeter of the EZ, work will be stopped and a re-evaluation of activities initiated.

- Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/ m^3 of the upwind level and in preventing visible dust migration.

- All conditions and response actions must be recorded and be available for NYSDEC and NYSDOH personnel to review.

FIGURES



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.-CONNECTICUT, 1967

TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

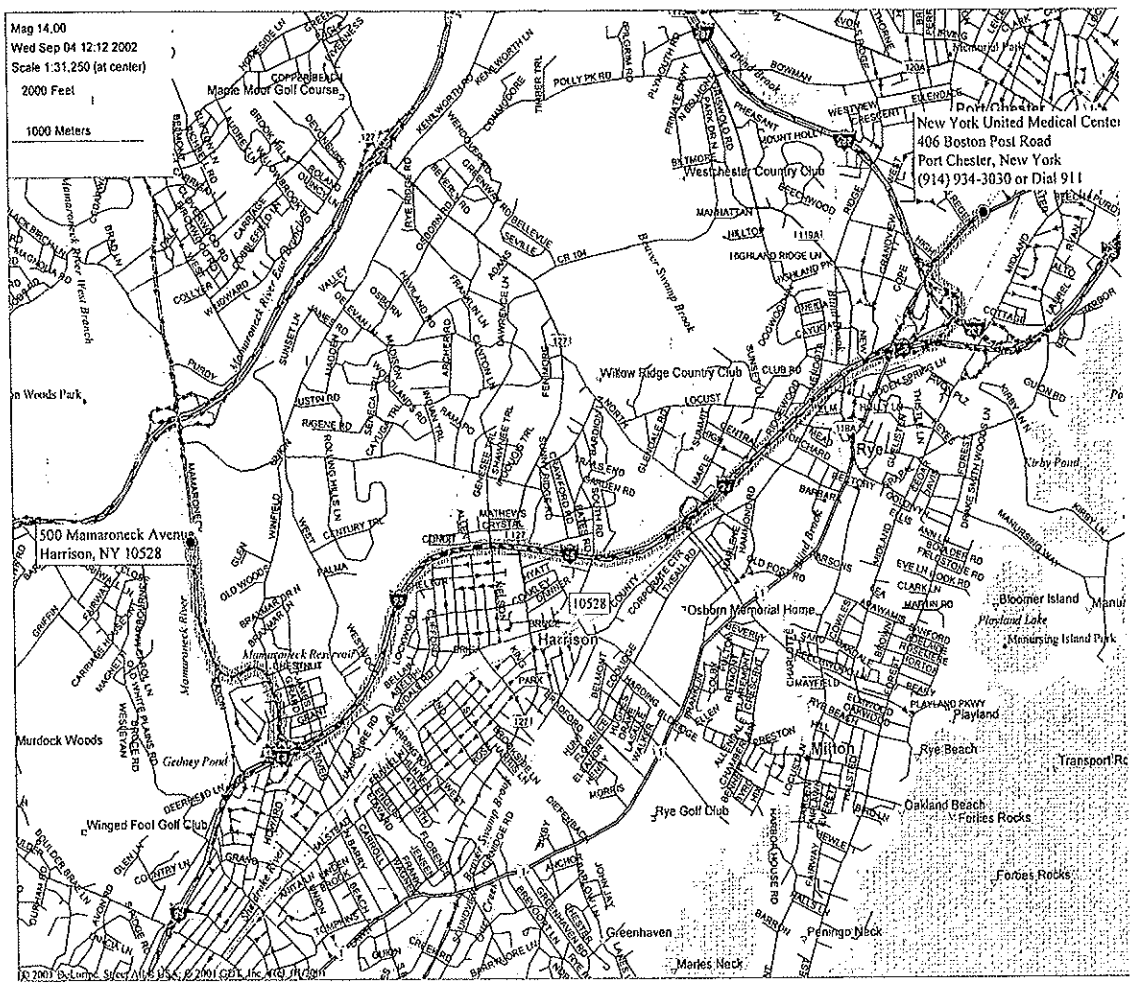
PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management			SCALE GRAPHIC	FIGURE 1-1
DRAWN: Y.S.	JOB NO.: X8101.00	FILE NAME: X810100025	DATE 10/08/02	

FIGURE 7-1
ROUTE TO HOSPITAL

New York United Hospital Medical Center - Emergency Room
406 Boston Post Road
Port Chester, NY 10573
(914) 934-3030 or Dial 911



DIRECTIONS:

Start - 500 Mamaroneck Road (Site)

Go 1.2 miles south on Mamaroneck Ave and turn left (NE) *Toll Road* I-95 N (New England Thruway)

Go 4.0 miles on I-95 N and exit on ramp to US 1 (Boston Post Rd/South Main St)

Go 0.5 miles on ramp and bear right (NE) US 1 (Boston Post Rd/South Main St)

Go 0.5 miles to Westchester County Hospital.

End Point (406 Boston Post Road, Port Chester, NY 10573)

TABLES

TABLE 1-1
EXPOSURE LIMITS AND PHYSICAL PROPERTIES OF COMPOUNDS OF POTENTIAL CONCERN

Compound	Exposure Limits	IDHL Level (1994)	Physical Description	Chemical Properties &	Physical Properties
Particulates					
Total PNOC, Particulate Not Otherwise Classified	PEL: 15 mg/m^3 REL: NA TLV: 10 mg/m^3	NA	Inhalable solid particulate suspended in air.	Median particle size is 100 micrometers.	
Respirable PNOC, Particulate Not Otherwise Classified	PEL: 5 mg/m^3 REL: NA TLV: 3 mg/m^3	NA	Respirable solid particulate suspended in air.	Median particle size is 4 micrometers.	NA
Copper (dusts and Mists)	PEL: 1mg/m^3 REL: 1mg/m^3 TVL: 1mg/m^3	100 mg/m^3	Reddish, lustrous, mallable, odorless solid	MW: 63.5 BP: 4702F SOL: Insoluble	NA
Lead	PEL: 0.05mg/m^3 REL: <0.1mg/m^3 TVL: 0.05mg/m^3	100 mg/m^3	A heavy, ductile, soft, gray solid.	MW: 207.2 BP: 3164F SOL: Insoluble	NA

TABLE 1-1
EXPOSURE LIMITS AND PHYSICAL PROPERTIES OF COMPOUNDS OF POTENTIAL CONCERN

Compound	Exposure Limits	IDHL Level (1994)	Physical Description	Chemical Properties &	Physical Properties
Zinc	PEL: 15 mg/m³ REL: 5mg/m3 TLV: 10 mg/m³	500 mg/m³	White odorless solid	MW: 81.4 BP: ? Sol: Insoluble	NA
Noise	AL= 85 dBA (50%) PEL = 90 dBA STEL: 115 dBA	140 dB unweighted	If employee noise exposures exceed a 50% 8-hour dose, then hearing protection should be required as well as all other elements of an HCP 1910.95.	NA	NA

Notes:
PEL - OSHA Permissible Exposure Limit, based on 1992 Transitional limits in 29 CFR 1910.100.
REL - NIOSH Recommended Exposure Limit
TLV - ACGIH Threshold Limit Value (Listed only when it is more restrictive than the PEL or REL)
ppm - parts per million
mg/m³ - milligrams per cubic meter
NA - Not Available

$$\text{Mixture TLV/PEL /STEL} = \frac{1}{F_1/TLV_1 + F_2/TLV_2 \ldots F_n/TLV_n}$$

where F=percent composition by weight

TLV=chemical specific

TABLE 1-2
PHYSICAL SAFETY CONCERNS

HAZARD	DESCRIPTION	LOCATION	PROCEDURES USED TO REDUCE HAZARD
Heavy equipment	Vehicles	Used throughout Site	Personnel maintain eye contact with operators; hard hats, safety shoes and safety glasses worn during equipment operation when required.
Existing Underground Utilities	Storm water, sewer, electrical, gas	Verify with area utilities.	Verify number and location of utilities prior to Site operations. Locate prior to subsequent excavation activities.
Water	Surface water	Throughout Site	At least two workers present; safety fencing and barricade tape.
Power lines	Aboveground	On-Site and off-Site.	Maintain at least 10 feet of total clearance for lines 50 KV or less. For lines over 50kv, the minimum clearance shall be 10 feet plus 4 inches for each 10kv. In transit, with the boom lowered, equipment clearance shall be 4 feet for voltages less than 50kv and for voltages from 50kv up to 345kv, the clearance shall be increased 4 inches for every 10kv over that voltage.
Noise	During Site activities	Throughout Site	Hearing protectors with proper noise reduction rating.
Temperature extremes	Hot weather activities. Cold weather activities.	Throughout Site	Protection as designated by Site Safety Officer.
Demolition	Potential pinch points	Throughout Site	Maintain adequate clearance between objects

TABLE 4-1
AIR MONITORING ACTION LEVELS

Compounds	Monitoring/Contaminant Source	Action Level (2)	Respiratory Protection(3)
I. Particulates			
Total Dust (including Metal Dusts)	General screening: real time particulate monitor Source: Onsite Soils	Background to 1.2 mg/m³ 1.2 mg/m³ to 250 mg/m³ >= 250 mg/m³ (Action Level=1.2 mg/m³)	D - None Required C - Full-Face with combination HEPA/OV cartridge Exit work zone
Respirable Dust (including Metal Dusts)	General screening: real time particulate monitor Source: Onsite Soils	Background to 1.2 mg/m³ 1.2 mg/m³ to 75 mg/m³ >=75 mg/m3 (Action Level=1.2 mg/m³)	D - None Required C - Full-Face with combination HEPA/OV cartridge Exit work zone

Notes:
mg/m³- milligrams per cubic meter

(1) The OV cartridges used must meet the requirements of 29 CFR 1910.134. In order to prevent potential overexposure within the respirator facepiece, new OV cartridges will be installed at the beginning of the shift. Combination cartridges will be used in order to satisfy the protection requirements of particulate matter.

(2) Action levels are based on 50% of the TLV or the most conservative applicable exposure limit (lead), whichever is more restrictive.

(3) Full-facepiece respirators have an APR of 50 X TLV.

Changes to the action levels (for particulates) and use of any personal protective equipment are allowed according to the professional discretion of the Site Health and Safety Officer based upon the nature of the field operations, observations, and their previous experience during other similar activities at other similar Site.

References:

American Conference of Governmental Industrial Hygienists, 1992-1993. Threshold Limit Values and Biological Exposure Indices for 1992-1993.

U.S. Department of Health and Human Services, 1990. NIOSH Pocket Guide to Chemical Hazards. June 1990.

Montgomery, John H., and Welkom, Linda M., 1990. Groundwater Chemicals Desk Reference.

Sax, N. Irving, 1984. Dangerous Properties of Industrial Materials

TABLE 7-1
EMERGENCY CONTACT/NOTIFICATION SYSTEM

Emergency Contacts	Name	Telephone
Site Owner, W&M Properties	Tom Durels	(203) 353-5220
New York United Hospital Medical Center Emergency Room		(914) 934-3030 or Dial 911
Police Department		911
Fire Department		911
Poison Information System		(800) 962-1253
National Response Center		(800) 424-8802
Center for Disease Control		(404) 488-4100

DIRECTIONS TO IMMEDIATE MEDICAL CARE CENTER (see Figure 7-1)

Go 1.2 miles south on Mamaroneck Ave and turn left (NE) *Toll Road* I-95 N (New England Thruway)
Go 4.0 miles on I-95 N and exit on ramp to US 1 (Boston Post Rd/South Main St)
Go 0.5 miles on ramp and bear right (NE) US 1 (Boston Post Rd/South Main St)
Go 0.5 miles to Westchester County Hospital.
End Point (406 Boston Post Road, Port Chester, NY 10573)

TABLE 7-2
REFERENCE OF COMMON SYMPTOMS

Type of Injury of Exposure	Symptom
Chemical Exposure, Ingestion or Inhalation	Symptoms of chemical exposure, ingestion or inhalation may include one or more of the following: Abnormal pulse Behavioral changes Breathing difficulties or abnormal breathing Changes in complexion or skin color Convulsions Coordination difficulties Coughing Dizziness or drowsiness Drooling Diarrhea Fatigue and/or weakness Irritation of eyes, nose, respiratory tract, skin, throat, mouth, or lips Headache Itching Light-headedness Nausea/vomiting Skin irritation or rash Sneezing Sweating Tearing Tightness in the chest Unconsciousness
Heat Stroke	Signs and symptoms of heat stroke are hot, red skin; very small pupils; and very high body temperatures-sometimes as high as 105 degrees. If the victim was sweating from heavy work or exercise, his or her skin may be wet; otherwise, it will feel dry.

TABLE 7-2
REFERENCE OF COMMON SYMPTOMS

Type of Injury of Exposure	Symptom
Heat Exhaustion	The usual signs and symptoms of heat exhaustion are cool, pale, and moist skin, heavy sweating; dilated pupils, headache, nausea; dizziness; and vomiting. Body temperature will be nearly normal.
Hypothermia	Signs and symptoms of hypothermia are: shivering; a decreased and sometimes irregular heart rate; a weak pulse; cool skins; decreased blood pressure; decreasing core temperature and slow, irregular breathing.
Frostbite	Signs and symptoms of frostbite area: a sensation of cold followed by numbness; tingling, stinging and aching may be felt initially. The skin may appear white, reddish-purple and finally black; blisters may also be present.

TABLE 7-3
BASIC FIRST AID PROCEDURES

Chemical Exposure: **Ingestion or inhalation**

1. Contact Emergency Services.
2. If possible move chemical hazards away from the area of the injured person or the injured person away from the area of chemical hazards and decontaminate.
3. If appropriate, remove PPE.
4. Await Emergency Services.

First Aid:

1. Be calm and quickly evaluate the emergency.
2. Contact Emergency Services.
3. Do not move the injured person unless necessary or instructed to do so.
4. If possible, move any physical and chemical hazards away from the area of the injured person.
5. Take care of the most serious injuries first - breathing must be restored, bleeding must be stopped, etc.
6. Cover injured person to keep warm and monitor for shock.

Heat Related Injuries: **Heat Stroke**

1. Contact Emergency Services.
2. Remove person from heat to cool location.
3. Lie victim on back.
4. Remove PPE and loosen up clothing.
5. Cool victim fast (i.e. immerse in cool bath, ice packs, wrap with wet sheets or towels).
6. Care for shock and monitor breathing.
7. Await Emergency Services.

Heat Related Injuries: **Heat Exhaustion**

1. Remove person from heat to cool location.
2. Lie victim on back with feet up.
3. Remove personal protection equipment and loosen up clothing.
4. Cool victim (i.e. fanning, ice packs, wrap with wet sheets or towels).
5. Care for shock and monitor breathing.
6. If conscious and can tolerate it, provide a half-glass of water every 15 minutes.
7. Should see improvements within 30 minutes. (If not, contact Emergency Services).

TABLE 7-3 (Continued)
BASIC FIRST AID PROCEDURES

Cold Related Injuries: **Hypothermia**

1. Contact Emergency Services.
2. Remove person from cold to warm location.
3. Remove any wet clothing.
4. Warm body slowly.
5. Care for shock and monitor breathing.
6. Await Emergency Services

Cold Related Injuries: **Frostbite**

1. Remove person from cold to warm location.
2. Remove PPE and clothing covering effected areas.
3. Place affected area in warm water to re-warm.
4. After re-warming, loosely bandage affected area.
5. Seek medical attention.

APPENDICES

APPENDIX A
Action Levels for Metals, PCBs, and PAHs Contained in Dust

Appendix A - Calculation Sheet
Action Levels for Metals, PCBs and PAHs Contained in Dust
Upgrade from Level D Respiratory Protection to Level C Respiratory Protection

Approach: There are no direct-reading monitors to determine the actual concentrations of metals, PCBs or PAHs that site workers may be exposed to in air during remedial work or general activities disturbing the soil. The metals, PCBs, and PAHs also are not volatile, therefore the primary exposure pathway would be respiratory inhalation of dust (airborne sand/soil) which contains concentrations of these metals, PCBs, and PAHs.

To provide adequate protection for exposure to airborne metals, PCBs, and PAHs in dust, dust action levels will be established to be protective of the metals, PCBs and PAHs. The action levels are established by 1) assuming that all soils contain the maximum known concentrations of the metals, PCBs, and PAHs of concern, and then 2) calculating applicable dust concentrations that would ensure that the contaminant concentrations are less than the OSHA PELs for those contaminants. The equation, and calculations for these contaminants are presented below.

Calculation Formulas:

$$\frac{[\text{Max. concentration of metal/PCB/PAH in soil (mg metal/kg soil)}] * [\text{Dust concentration in air (mg soil/m}^3\text{ of air)}]}{[1{,}000{,}000\text{ mg soil/kg soil}]}$$

= Metals/PCB/PAH in air (mg metal/m^3 of air)]

Rearrange and solve for "dust concentration in air", by assuming the metals/PAH concentration in air is the metal' OSHA PEL:

$$\frac{\text{OSHA PEL metal/PCB/PAH in air (mg/m}^3\text{ of air)}] * [10^6\text{ mg soil/kg soil}]}{[\text{Maximum concentration of metal/PCB/PAH in soil (mg metal/kg soil)}]} = [\text{Dust concentration in air (mg soil/m}^3\text{ of air)}]$$

Copper:

$$\frac{[1.0\text{ mg copper/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[1{,}600\text{ mg copper/kg soil}]} = [625\text{ mg soil/m}^3\text{ of air}]$$

Lead:

$$\frac{[0.05\text{ mg lead/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[20{,}600\text{ mg lead/kg soil}]} = [2.43\text{ mg soil/m}^3\text{ of air}]$$

Zinc:

$$\frac{[15.0\text{ mg zinc/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[4{,}810\text{ mg zinc/kg soil}]} = [3{,}119\text{ mg soil/m}^3\text{ of air}]$$

Arsenic:

$$\frac{[0.01\text{ mg arsenic/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[38.2\text{ mg arsenic/kg soil}]} = [262\text{ mg soil/m}^3\text{ of air}]$$

Cadmium:

[0.005 mg cadmium/m^3 of air)] * [1,000,000 mg soil/kg soil] = [128 mg soil/m^3 of air]
[39 mg cadmium/kg soil]

Chromium:

[0.5 mg chromium/m^3 of air)] * [1,000,000 mg soil/kg soil] = [3,846 mg soil/m^3 of air]
[130 mg chromium/kg soil]

Magnesium:

[5 mg magnesium/m^3 of air)] * [1,000,000 mg soil/kg soil] = [227 mg soil/m^3 of air]
[22,000 mg magnesium/kg soil]

Mercury:

[0.1 mg mercury/m^3 of air)] * [1,000,000 mg soil/kg soil] = [1,550 mg soil/m^3 of air]
[64.5 mg mercury/kg soil]

Nickel:

[1 mg nickel/m^3 of air)] * [1,000,000 mg soil/kg soil] = [7,692 mg soil/m^3 of air]
[130 mg nickel/kg soil]

Polychlorinated Biphenyls:

[0.5 mg PCBs/m^3 of air)] * [1,000,000 mg soil/kg soil] = [119,000 mg soil/m^3 of air]
[4.2 mg PCBs/kg soil]

PAH[1]:

[0.2 mg coal tar pitch volatiles/m^3 of air)] * [1,000,000 mg soil/kg soil] = [71.8 mg soil/m^3 of air]
[2,784 mg total PAH in B-41/kg soil]

[1] Calculation utilizes the highest total combined PAH concentration detected in soil (sample B-41, 5') and the most restrictive airborne limit for those PAHs (0.2 mg/m^3 for coal tar pitch volatiles including benzene, anthracene, phenanthrene, acridine, and chrysene, pyrene) to determine the worst-case exposure and thus the lowest exposure limit for PAHs.

These calculations show that a typical soil/dust action level of 5.0 mg/m^3 for total dust, and 1.5 mg/m^3 for total and respirable dust would be protective of exposures to PCBs, PAHs, and metals except for lead. Lead exposure should not be higher than 2.43 mg/m^3 for total dust. Therefore, a total dust action level of 2.4 mg/m^3 and respirable dust action level of 1.2 mg/m^3 could be followed to be protective of all metals (including lead), PCBs, and PAHs. For simplicity of monitoring, a not-to-exceed, total dust level of 1.2 mg/m^3 will be the observed action level.

APPENDIX B
Exhibits

EXHIBIT 1

HEALTH AND SAFETY PLAN REVIEW RECORD

I have read the remediation Health and Safety Plan for the 500 Mamaroneck Avenue Site and have been briefed on the nature, level, and degree of exposure likely as a result of participation in this Project. I agree to conform to all the requirements of the Health and Safety Plan.

_____

Employee Signature

_____ _____

Name Date

_____

Project Manager Signature

_____ _____

Name Date

EXHIBIT 2

DAILY SITE SAFETY LOG

Site: 500 Mamaroneck Avenue Site

Project: Operable Units 1 & 2

Time on: _____ **Time off:** _____

Weather/Temperature: _____

_____

Wind Direction: _____

Site Safety Talk: Yes_____ No_____

Topics: _____

_____

_____

_____

Daily Safety Inspection:

Time:_____Initials:_____Time:_____Initials:_____

Comments:_____

Instrument Calibration:

Instrument	Time	Calibration	Calibration Conc.	Actual Conc.
_____	___	_____	_____	_____
_____	___	_____	_____	_____
_____	___	_____	_____	_____

Comments:_____

Personal Protective Equipment: Universal Equipment - hard hat, safety glasses and work boots.

Task 1:	Task 2:	Task 3:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Date:_____

Air Monitoring:

		Concentration		
Time/Location:	Inst:	Settings:	Inst:	Settings:
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments (including upgrade, non-compliance, etc.):

_____

_____

_____

Site Safety Officer:_____Signature:_____Date:_____

EXHIBIT 3

EMPLOYER OCCUPATIONAL HEALTH AND SAFETY

CERTIFICATION

Project: 500 Mamaroneck Avenue Site

Contractor: _____

1. Contractor certifies that the following personnel to be employed during on-Site remediation activities have met the following requirements of the OSHA Hazardous Waste Operations Standard (29 CFR 1910.120) and other applicable OSHA standards. (Indicate date below.)

Contractor Personnel	Medical Examination	Training Certification	Respirator
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

2. Contractor certifies that it has received a copy of the Health and Safety Plan and will ensure that its employees are informed and will comply with its requirements.

3. Contractor further certifies that is has read and understands and will comply with all provisions of its contractual agreement with ERM .

Signed: _____

Date: _____

EXHIBIT 4

TRAINING ACKNOWLEDGMENT FORM

NAME: _____

SOCIAL SECURITY: _____

EMPLOYER: _____

I have completed the required training for work to be conducted at the 500 Mamaroneck Avenue Site, including the following topics:

a. Work Rules and Safety Requirements;
b. Personal Protection Equipment;
c. Potentially Hazardous Chemicals;
d. Emergency Equipment;
e. Reporting Injuries and Illnesses;
f. Emergency Procedures;
g. Job Assignments;
h. Personal Hygiene;
i. Medical Tests;
j. Motor Tests; and
k. Standard Operating Procedures.

I further confirm that a respirator fit test was conducted within the past year and that I have been issued a respirator of the same type.

Employee:

Signature:_____ Date:_____

I certify that this employee has received adequate safety training and understands the requirements of the Health and Safety Plan.

Site Health and Safety Officer:

Signature:_____ Date:_____

EXHIBIT 5

SITE SIGN-IN SHEET

Site: *500 Mamaroneck Avenue Site* Date:_____

Employee	Company	Signature In	Time In	Signature Out	Time Out

WP. V00213. 2002-11-05.
Soil MP

FILE COPY

ENVIRONMENTAL RESOURCES MANAGEMENT

SOIL MANAGEMENT PLAN

500 MAMARONECK AVENUE
HARRISON, NEW YORK

5 NOVEMBER 2002

RECEIVED
NOV - 7 2002
BUREAU OF EASTERN
REMEDIAL ACTION

Prepared For:

W&M Properties of New York L.L.C.
60 East 42nd Street, 26thFloor
New York, NY 10165

Prepared By:

ENVIRONMENTAL RESOURCES MANAGEMENT
520 Broad Hollow Road, Suite 210
Melville, NY 11797

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500 Mamaroneck/X8101.00.01.2077

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1.0 *SITE BACKGROUND*

Subsurface soil at 500 Mamaroneck Avenue (site) has been impacted by operation of the Town of Harrison Municipal Incinerator, which formerly occupied the property. Residual municipal waste, ash/slag and atmospheric deposition of particulates from the incinerator remain in the subsurface soil at the site. The concentrations of polynuclear aromatic hydrocarbons (PAHs) and certain metals (arsenic, barium, cadmium, calcium, chromium, copper, lead, magnesium, mercury, nickel, and zinc) exceed Recommended Soil Clean up Objectives (RSCOs) specified in the New York State Department of Environmental Conservation Technical and Guidance Memorandum Number 4046 (TAGM 4046). The residuals are capped by the building, parking areas paved with bituminous material and landscaped areas. Direct contact with the residuals is thereby controlled and the potential for contact minimized.

Maintenance activities to be carried out at the site that involve excavation of subsurface soil have the potential for site workers to contact the residuals and to generate waste material that may require proper management. This plan identifies the activities that may require management of excavated soil generated at 500 Mamaroneck Avenue.

2.0 *APPLICATION OF THE SOIL MANAGEMENT PLAN*

For the capping at 500 Mamaroneck Avenue to remain protective, all subsurface soil must remain at least two feet below final grade. Management measures must be implemented should any of the following activities occur:

- Excavation of soil from beneath the asphalt subbase in the parking areas. If soil from beneath the subbase is exposed without excavation, dust suppression measures may be required.
- Excavation of subsurface soil, from more than 2-feet below the vegetative layer in landscaped or grassed areas.
- Regrading (i.e., cutting) that would reduce the thickness of the existing surface soil layer to less than two feet, or would otherwise place subsurface soil in the top two-foot surface soil interval.

Should any of the above activities be carried out, the Soil Management Plan, presented in the following section, should be followed to properly manage the soil.

3.0 *IMPLEMENTATION OF THE SOIL MANAGEMENT PLAN*

The goal of this Soil Management Plan is to properly manage soil that is excavated during future work activities on the Site. Therefore, this section is structured to present reasonable procedures and precautions to ensure that future work activities are implemented safely, without impacting Site workers or the environment. Because the concentrations of PAHs, polychlorinated biphenyls (PCBs), and metals in subsurface soil is highly variable across the site, precautions must be taken during all excavation activities.

3.1 *WORK PROCEDURES FOR EXCAVATION ACTIVITES*

If any future work (e.g., pipe installation, soil grading, landscaping, etc.) is conducted involving excavation, the procedures identified below will be implemented.

- Workers will not be required to wear protective clothing, however, eating, drinking and smoking in the vicinity of the excavation is strictly prohibited.
- Respiratory protection (i.e., respirators) is not anticipated to be necessary, however, dust masks are recommended. This level of protection is acceptable provided that airborne dust concentrations are minimized by water misting and/or good work practices. Visible airborne dust concentrations are not acceptable.
- Any excavated soil will be stockpiled on site, or staged in rolloffs, at all times until final determinations are made regarding disposal or re-use. Any stockpiles will be lined with seamless plastic sheeting, and covered with polyethylene sheeting.
- Anthropogenic material such as tires, metallic debris, bottles, stained soil should be segregated and disposed off-site.
- The stockpiled soil and/or other excavated materials will be stored in a secure area of the site until analytical results are obtained.
- Off-Site disposal of excavated soil is required, unless it can be demonstrated that the concentrations of residuals are below TAGM

4046 RSCOs. To demonstrate that excavated soil has not been impacted, a statistically significant number of samples should be collected from any excavated soil considered for reuse and analyzed using applicable USEPA analytical methods and the analytical results compared to TAGM 4046 RSCOs (see SW 846 for sampling program design). Refer to Section 3.2 for Off-Site Disposal Options.

- The asphalt surface for the 2-foot soil cover should be restored after work activities are complete. If the asphalt surface or 2-feet of cover will not be restored, NYSDEC project representatives should be consulted to determine if there is a need for any further action.

3.2 *SOIL DISPOSAL REQUIREMENTS*

This section is intended as a guideline for future site workers, to ensure the proper management of excavated soil that will be disposed off-Site. Because the solid and hazardous waste regulations are in a continuous state of change, this section provides only general guidelines, and is current as of July 2000. Any future soil disposal, if necessary, must be conducted in accordance with the regulations current at the time the disposal activities will take place. All applicable and appropriate standards, guidance and criteria will be followed to properly manage any remedial waste that is generated.

If off-Site disposal of soil is required, the soil must be characterized for disposal purposes, in accordance with the requirements of the disposal facilities. Once disposal facility approval has been obtained, the soil will be transported in disposal trailers or rolloffs, to the appropriate, selected off-Site disposal facility. Any applicable waste manifesting, truck placarding, or other requirements will be followed.

In general, three categories of soil could be generated for off-Site disposal:

- Non-regulated "industrial waste" soil;
- RCRA-regulated hazardous waste soil; and

- TSCA-regulated soil containing PCBs (In New York, TSCA-regulated PCB soil is considered a New York State hazardous waste).

Non-regulated soil would consist of soil that does not contain constituents at concentrations high enough to be considered a TSCA or RCRA regulated waste.

Promulgated federal regulations (i.e., the June 1998 PCB Rule) regulate the disposal of soil if it contains PCBs at or above a concentration of 50 mg/kg. The Waste Management landfill in Model City, New York is currently permitted under TSCA to accept PCB soil for disposal.

FINAL REPORT

Approved by NYSDEC
5/11/05

500 Mamaroneck Avenue Associates

Remedial Action Work Plan
500 Mamaroneck Avenue
Harrison, New York

January 2005

0016447

ENVIRONMENTAL RESOURCES MANAGEMENT

Environmental Resources Management
475 Park Avenue South, 29th Floor
New York, NY 10016

ERM®

FINAL REPORT

500 Mamaroneck Avenue Associates

Remedial Action Work Plan
500 Mamaroneck Avenue
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Environmental Resources Management
475 Park Avenue South, 29th Floor
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1.0 *INTRODUCTION AND PURPOSE*

This Remedial Action Work Plan (RAWP) has been prepared by Environmental Resources Management (ERM), on behalf of 500 Mamaroneck Avenue Associates (MAA), to describe the proposed remedy for impacted soil at the 500 Mamaroneck Avenue property (the Site). The RAWP is submitted for approval as the required Remediation Work Plan under Paragraph I.D.3 of the Voluntary Cleanup Agreement, Index #W3-0851-99-05 between the New York State Department of Environmental Conservation (NYSDEC) and MAA dated April 13, 2000 ("VCA").

This RAWP has been prepared in accordance with:

- NYSDEC Voluntary Cleanup Program Guide *Draft* (NYSDEC, May 2002);
- Voluntary Cleanup Agreement, Index #W3-0851-99-05 ("VCA"); and
- sound engineering practices.

The purpose of this RAWP is to describe the proposed remedy, and to demonstrate through an engineering analysis that the proposed remedy will achieve the cleanup goals (i.e., remedial action objectives or "RAOs") for the Site. The RAOs for the affected media are based upon established standards/guidelines that are applicable or relevant and appropriate requirements (ARAR) for the site, and on constituent concentrations that are protective of human health and the environment.

1.1 *SITE DESCRIPTION*

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000 feet south of Union Avenue in Harrison, Westchester County, New York. The Town of Harrison defines the Site as Block 482, Lot 8.

The approximately 34.5-acre Site, roughly rectangular in shape, is occupied by a five-story office building, and has approximately 985 feet of roadway frontage along Mamaroneck Avenue. A Site Location Map is included as Figure 1-1, and a Site Plan is included as Figure 1-2.

The U.S.G.S. topographic map (Mamaroneck, NY Quad, 1967, photo revised in 1975 (prior to site re-development) shows that the Site elevation ranges from approximately 60 feet above mean sea level (MSL) along Mamaroneck Avenue to 130 feet MSL at the eastern property line.

The elevation of the Site rises gradually throughout the northern and southern parking areas, and then is relatively level across the eastern boundary. A small seasonal wet area is located in the northeastern portion of the property, immediately east of the northern parking area. The wet area appears on the 1990 U.S. Department of the Interior Wetlands Inventory Map and is described as a Palustrine – Scrub/Shrub – Broad leaf – deciduous-seasonally flooded area. The area is not, however, shown on the 1987 New York State Fresh-Water wetlands map and is therefore not regulated by the NYSDEC.

Approximately 14 acres of the Site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas covering approximately nine acres and a building footprint of approximately one and a half acres. The remaining sections of the developed portion of the Site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

The topography and general Site features suggest that groundwater beneath the Site will flow west towards the Mamaroneck River, located approximately 200 feet west of the Site. The closest surface water body is the seasonal pond in the northeast corner of the Site.

According to the September 1994 General Geology Map of Putnam and Westchester Counties, New York, the bedrock beneath the Site consists of Harrison Gneiss. Bedrock outcrops are present along the eastern and southern sides of the property, and the depth to bedrock at the Site is as shallow as 2 feet below grade to not more than 15 feet below grade.

Potable water is obtained from the local municipal system, and the Site, therefore, does not have a drinking water well. A bedrock well supplies water to an operable decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

1.2 *SITE HISTORY*

The Site was previously occupied by the Town of Harrison municipal incinerator. Based on review of available aerial photographs, the Site appears undeveloped until 1954. In the 1954 aerial photograph, the incinerator is visible on the Site. From 1954 until 1980, there were no major changes at the Site; i.e., the incinerator appears in all of the aerial photographs.

The building construction for the current commercial office began in 1983, with tenant occupancy beginning around 1986. The 1986 aerial photograph shows the office building on the Site under construction. This agrees with Town records, which list the date of construction of the building as 1986.

Site topography has changed substantially as a result of the 1983 - 1986 construction activities. Approximately 340,000 cubic yards (cy) of soil and rock were removed during the office building development. Material was only removed from the portion of the Site that is closest to Mamaroneck Avenue.

In early 1999, the property was sold to 500 Mamaroneck Avenue L.P. and Viviane Paris, LLC.

1.3 *PREVIOUS INVESTIGATIONS*

Various investigations have been performed previously at the Site. The Site investigations, and the findings of these investigations, are summarized in detail in the April 2000 ERM Final Investigation Site Assessment Report and the June 2002 Supplemental Final Site Investigation Report.

A general summary of the previous investigations is presented below. The locations of samples collected at the Site are shown on Figure 1-3.

1.3.1 *Phase I & II Environmental Assessments*

Previous Phase I investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; and AKRF, Inc. (AKRF), April 1997. All Phase I analytical results from samples collected during the Phase Is revealed concentrations of anthropogenic constituents ranging from below method detection limits to concentrations within normal background ranges.

Previous Phase II investigations carried out at the site include: Dames & Moore, Inc., 1998 (late February or early March), ERM, June, 1998 and Coneco Environment Corp. (Coneco), June 1999.

Dames & Moore, 1998

In 1998, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. The soil samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), including polynuclear aromatic hydrocarbons (PAHs), polychlorinated

biphenyls (PCBs), and Resource, Conservation, and Recovery Act (RCRA) metals.

The Dames & Moore data indicated that PAHs and PCBs were present in a soil sample collected in the northeastern section of the property, at concentrations above NYSDEC Technical and Administrative Guidance Memorandum Number 4046 (TAGM-4046) Recommended Soil Cleanup Objectives (RSCOs), dated January 24, 1994. However, no subsequent collected data have indicated any PCB concentrations above TAGM-4046 RSCOs. No VOCs were detected above TAGM-4046 RSCOs in any soil samples.

The data also indicate that RCRA metals were above TAGM-4046 guidelines in all six soil samples collected. However, considering the proximity of bedrock at the Site, it is likely that metal concentrations in the overburden soil may be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to TAGM-4046 RSCOs rather than Site background concentrations was misleading.

Groundwater samples collected from the existing on-Site well and from borehole No. 3 were analyzed for VOCs and RCRA metals. No parameter was detected above its respective TAGM-4046 guidance criterion.

ERM-May/June 1998

ERM carried out a Site Assessment in May and June, 1998. This investigation consisted of the installation of 21 soil borings (ERM-1 through ERM-21). The borings were installed to:

- evaluate the Dames and Moore findings; and
- define any additional areas impacted by residual chemical constituents above the TAGM-4046 RSCOs.

The ERM Site assessment revealed the presence of residual chemicals, specifically PAHs, above the TAGM-4046 RSCOs in some of the borings. The contaminants above RSCOs were detected in the south parking lot bordering the berm (ERM-12 and ERM-13), the location of the former incinerator (ERM-19), and in the northwest corner adjacent to the access road (ERM-20).

Coneco Environmental Investigation – March 1999

Prior to the 1999 property sale, W&M Properties of NY L.L.C. (W&M) engaged Coneco to install additional borings to evaluate environmental conditions at the Site. Coneco installed 57 soil borings, collected a groundwater sample from the on-Site well, and sampled surface water and sediment at the Site. Some of the samples collected by Coneco contained concentrations of PAHs in excess of TAGM-4046 RSCOs. The locations of these borings were in the same vicinity as the locations where ERM had observed PAHs at concentrations above RSCOs, (i.e. in the south parking lot adjacent to the berm, and in the northwest corner of the property near the entrance roadway). Analysis of groundwater, surface water or sediment samples, however, did not reveal impacts.

1.3.2 *ERM Final Investigation Site Assessment*

The Final Investigation Site Assessment was carried out by ERM from May to July 1999. The results were summarized in the ERM April 2000 Final Investigation Site Assessment Report submitted to the state pursuant to the VCA executed by the state and 500 Mamaroneck Avenue Associates (MAA). Soil and sediment samples collected during this investigation contained PAHs, PCBs, pesticides and metals. PAH concentrations were above TAGM 4046 RSCOs in 19 of 32 samples.

The Final Site Investigation confirmed the presence of PAHs below the parking lot and vegetative cover at the Site. Based on the study results,

ERM concluded that there was no exposure pathway for the residual chemicals detected at the Site.

1.3.3 *Supplemental Final Site Investigation*

The Supplemental Final Site Investigation was conducted in November 2000 by ERM. The Supplemental Investigation was conducted at the NYSDEC's request to assess soil conditions in the northwestern section of the property, along the southern berm, and in the eastern buffer zone.

Samples collected in the eastern buffer contained metals at concentrations below background levels or United States Environmental Protection Agency (USEPA) risk-based values. PAHs were identified in subsurface soil from the northwestern section at concentrations above TAGM 4046 RSCOs. Lead was detected in two samples collected from the southern berm above the USEPA average allowable concentration for residential soils. These two areas are further discussed in Section 1.4.

1.4 *SUMMARY OF ENVIRONMENTAL CONDITIONS*

This section identifies the areas to be addressed: i.e., the southern berm and northwestern section.

1.4.1 *Southern Berm*

The southern berm at the Site is shown in Figure 3-2. The berm extends approximately 750 feet along the southern property line. The berm was constructed to provide a visual barrier for adjacent residential properties. As indicated above, lead was detected in two of five surface soil samples, collected from the southern berm, above USEPA acceptable average risk-based concentrations.

1.4.2 *Northwestern Section*

During the 1999 Coneco investigation and the 1999 ERM Final Investigation Site Assessment, a "black tar-like" material was identified in borings B-41 and ER-48 (Figure 1-3), respectively, at depths ranging from four to six feet below ground surface (bgs). Black material resembling "cold patch asphalt" was also observed in boring ERM-31 from four to six feet bgs. In addition, fragments of a "tar-like" material were identified in borings ERM-48A and ERM-48D. PAHs were detected in all of the eight supplemental samples collected from the northwestern section. Although concentrations of PAHs in the "tarlike" material were non-detect or below TCLP standards, some of the soil samples exhibited PAH concentrations (See Section 2.1.1) in this area above TAGM-4046 RSCOs.

1.5 *CONTEMPLATED USE*

The contemplated use of the property is as commercial office space for the foreseeable future.

1.6 *SUMMARY OF THE REMEDY*

The proposed remedy for the Site consists of institutional and engineering controls. The institutional controls include a deed restriction that specifies permitted uses of the property, and engineering controls that prevent direct contact with the limited residual PAH and metal constituents in subsurface soil as set forth in this document. The engineering controls include maintenance of the current bituminous pavement and landscaping. The engineering controls will be specified in a Site Management Plan that will detail yearly monitoring activities, reporting requirements, health and safety requirements for excavation, monitoring requirements if additional development of the site is undertaken and response action to be undertaken if degradation of the bituminous pavement or erosion of the landscaping is observed. In addition, the

current site owner and the Department will execute an Environmental Easement setting forth all on-going obligations with respect to the remedy as set forth in the agreement and allowing the NYSDEC site access. This agreement will allow the NYSDEC to verify that Human Health and the Environment are protected.

1.6.1 *Overview of Remedial Action Work Plan*

The remainder of the RAWP is organized in the following sections:

2.0 - Engineering Evaluation of the Proposed Remedy: Remedial Action Selection Report In this section, the criteria and justification for the selection of the proposed remedial action in each area are discussed. This section also discusses how the selected remedial action will meet the applicable remedial objectives and evaluates the remedy against 6 NYCRR Part 375-1.10 criteria.

3.0 - Proposed Remedy This section presents the details of the proposed remedial action for the Site.

4.0 - Health and Safety Plan A Health and Safety Plan (HASP) has been developed to address potential future intrusive work at the Site with respect to potential chemical exposures to workers.

5.0 Project Organization This section sets forth the resposibilites and roles of individual parties involved.

6.0 - Operation, Monitoring and Maintenance Requirements This section outlines the requirements for ongoing monitoring and maintenance of engineering controls at the Site, including a discussion of institutional controls.

7.0 – Schedule This section sets forth the proposed schedule for implementing the proposed remedial action.

8.0 - Reporting Requirements This section presents the proposed content of a Remedial Action Report (RAR), to be submitted to NYSDEC following implementation of the proposed remedy.

9.0 – References This section summarizes the references used in writing the RAWP.

2.0 *ENGINEERING EVALUATION OF THE PROPOSED REMEDY: REMEDIAL ACTION SELECTION REPORT*

This section identifies the applicable standards, criteria and guidance (SCGs) and describes the remedial goals for the Site. The proposed remedy is then evaluated with respect to the six evaluative criteria identified in the VCP Guide, *Draft* (NYSDEC, May 2002). These criteria are:

- protection of human health and the environment;
- compliance with standards, criteria, and guidance (SCGs);
- short-term effectiveness and impacts;
- long-term effectiveness and permanence;
- reduction of toxicity, mobility, or volume; and
- implementability.

These criteria are consistent with those outlined in 6 New York Code of Rules and Regulations Part 375 1.10 for Remedy Selection.

2.1 *APPLICABLE STANDARDS, CRITERIA, AND GUIDANCE*

The following are the SCGs that are considered to be ARARs for the Site:

- NYSDEC Voluntary Cleanup Program Guide *Draft*, May 2002;
- NYSDEC Technical and Administrative Guidance Memorandum Number HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels - Recommended Soil Cleanup Objectives, dated January 24, 1994 (TAGM-4046);
- NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values, October 1993 (TOGS 1.1.1);
- USEPA 40 Code of Federal Regulations (CFR) Part 745: Lead, Identification of Dangerous Level;
- NYCRR Part 375 1.10: Remedy Selection; and
- Guidelines and Requirements for Workers at Hazardous Waste Sites (Subpart 120), OSHA 29 CFR 1910.

2.1.1 *Summary of Data in Excess of Comparison Criteria*

As presented in the April 2000 Final Investigation Site Assessment Report, soil at the Site beneath existing cover contains PAHs above TAGM-4046 RSCOs. These soils will be addressed through a Site Management Plan and a soils management plan.

Five surface soil samples were collected from the southern berm during the Supplemental Final Site Investigation (ERM 2000) and analyzed for TAL metals. The samples were all collected from beneath the vegetative cover present at the sampling site at the time of sample collection. The concentrations of residual metals, except for lead, were generally within background levels or were below USEPA Region III Risk-Based Concentrations (RBC), risk-based acceptable levels for ingestion of soil based on residential soil use. ERM evaluated the concentrations of lead detected in the five surface soil samples collected along the southern berm using the values contained in 40 Code of Federal Regulations (CFR) Part 745.65 – Lead Based Paint Hazardous as a benchmark. The values specified in Part 475 are for residential property while the berm is located on commercial property. Therefore, the Part 745 values are not strictly applicable. Part 745.65 defines soil lead hazards in residential real properties or at child-occupied facilities in non-play areas as bare soil areas that contain lead at an average concentration equal to or exceeding 1,200 mg/kg. As indicated above, when the five bern samples were collected, they were collected from below the existing vegetative layer.

Lead was detected in two of five surface soil samples from the southern berm above the USEPA acceptable average concentration of 1,200 mg/kg (SB-01 at 3,880 mg/kg and SB-03 at 1,330 mg/kg). The average lead concentration in the five samples is 1290 mg/kg, slightly greater than the 40 CFR Part 745 benchmark. Because these samples were collected from beneath a vegetative layer present at the sampling location, there is low potential for contact. As indicated above, the site is commercial property

and children do not normally play at the site. Future potential contact with these areas will therefore be addressed by augmenting existing vegetation/maintenance of the vegetative cover along the berm, as necessary.

Eight soil samples were collected from the northwestern section during the supplemental investigation. These samples were analyzed for TAL metals, SVOCs, and PCBs. The TAL metal results showed that concentrations of residual metals were generally within background levels or were below USEPA Region III Risk-Based Concentrations (RBC), risk-based acceptable levels for ingestion of soil based on residential soil use. PAHs were above TAGM 4046 RSCOs in five of eight samples from the northwestern section that were collected between five and eight feet bgs. PCBs were below TAGM-4046 RSCOs. TCLP metals and PAHs sample results for the "tar-like" material, TAR-1, were not detected or were below TCLP standards. Potential future contact with these materials will be addressed by a Health and Safety Plan to be implemented if the area is excavated.

2.2 *REMEDIAL GOALS AND OBJECTIVES*

This section summarizes the remedial goals for the Site to ensure that the final remedy will be protective of human health and the environment. The Site RAOs are:

- prevent direct contact and incidental ingestion of soil containing chemical concentrations in excess of their RSCOs in areas underneath existing cover and in the area of the southern berm and in the northwestern section;
- prevent direct contact with the "black tar-like" material in the northwestern section;
- establish and maintain engineering controls;
- ensure existing engineering controls and the proposed engineering controls in this RAWP remain in place and effective;

- prevent ingestion of on-Site groundwater;
- continue to maintain the eastern buffer zone as a natural wooded area as stated in the Harrison Board of Zoning Appeals resolutions (referenced on page 2-11 of this document);
- execute the Environmental Easement; and
- file and adhere to deed restrictions and specific site use(s).

2.3 *SUMMARY: ENGINEERING EVALUATION OF SELECTED REMEDY*

The proposed remedial action described in Section 1.5 was developed through a review of NYSDEC guidelines, comment from the NYSDEC, and experience in developing remedial actions for similar types of environmental issues. The main elements of the proposed remedy are:

- preparation of deed restrictions and engineering controls in an Environmental Easement Document [1] that will a) restrict Site and groundwater uses and b) specify engineering controls to address non-mobile subsurface chemicals, which currently are substantially covered by an existing cap consisting of the parking lot, buildings, and landscaped areas and/or covered by natural vegetations. These measures will eliminate the limited potential for direct contact and the ingestion of soils and groundwater at the site through:
    1. control of uses and groundwater at the Site;
    2. maintenance of the landscaping cover in the northwestern section;
    3. monitoring and prevention of erosion of the vegetative cover on the southern side of the southern berm;
    4. routine inspection and maintenance of the parking lot, landscaping, soil cover for the northwestern section, and southern berm vegetation; and
    5. preparation and implementation of a soils management plan.

[1] The term Environmental Easement as used herein will refer to a recordable document in the form of an Environmental Easement or a Declaration of Restrictive Covenants, whichever form is required by the NYSDEC at the time of approval of this RAWP.

The following sections evaluate the proposed remedy with respect to the six evaluative criteria outlined in the Draft VCP Guide. The criteria include elimination of the remaining potential impacts to human health and the environment through implementation of the remedy, whether the remedy has proven reliable for the media and chemicals requiring remediation at the Site, and compliance with SCGs.

The effectiveness criteria consider whether the technology can handle the volume of affected media and meet the RAOs. The short- and long-term impacts for the Site and surrounding community and environment are considered, and whether any impacted media is left on-Site. The criteria for implementability focuses on zoning board requirements.

2.3.1 *Protection of Human Health and the Environment*

Protection of Human Health and the Environment can be measured by the remedy's ability to meet the RAOs. The Site RAOs were presented in Section 2.1. Institutional controls in the form of deed restrictions and the existing engineering controls address the following RAOs:

- prevention of direct contact and incidental ingestion of soil containing chemical concentrations in excess of their RSCOs in areas underneath existing cover;
- control of potential future site excavation;
- maintenance of the eastern buffer zone as a natural wooded area as stated in the Harrison Board of Zoning Appeals resolutions (referenced on page 2-11 of this document);
- ensuring that existing engineering controls remain in place and are effective; and
- prevention of ingestion of on-Site groundwater.

The existing engineering controls, consisting of the parking lot, landscaped areas and natural vegetation address soils that contain chemical concentrations in excess of their RSCOs. These engineering controls will be maintained and certified annually to the NYSDEC as described in Section 6.0.

The soils management plan will control potential future Site excavation as described in Section 6.0. The deed restrictions as set forth in the Environmental Easement will prevent groundwater from being ingested by limiting the use of groundwater at the Site and will insure the continued existence and maintenance of all on-Site engineering controls.

Standards, Criteria, and Guidance

The following are the standards, criteria, and guidance (SCGs) that are considered to be ARARs for the Site:

- NYSDEC Voluntary Cleanup Program Guide *Draft*, May 2002;
- NYSDEC Technical and Administrative Guidance Memorandum Number HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24, 1994 (TAGM-4046);
- NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values, October 1993 (TOGS 1.1.1);
- USEPA 40 Code of Federal Regulations (CFR) Part 745: Lead, Identification of Dangerous Level; and
- Guidelines and Requirements for Workers at Hazardous Waste Sites (Subpart 120), OSHA 29 CFR 1910.

The remedy will comply with the guidelines outlined in the VCP Guide. While the remedy will not reduce the concentrations of residual chemicals in soil to meet TAGM 4046 RSCOs, the capping and institutional controls will substantially eliminate the potential for exposure by eliminating direct contact pathways. Finally, since there have not been any anthropogenic chemicals detected in groundwater at concentrations above Class GA standards and guidance values, this criteria is met.

2.3.2 *Short-Term Effectiveness and Impacts*

The deed restriction and Environmental Easement will provide both long-term and short-term remedial effectiveness since they will ensure that all engineering controls will be identified, remain in place, and be maintained

and that the uses of the Site will minimize any potential for human contact and health concern.

2.3.3 *Long-Term Effectiveness and Permanence*

Long-term effectiveness and permanence is measured by the potential for exposure after remedy implementation and the adequacy and reliability of controls. Thus, the long-term permanence and effectiveness of the remedy can be measured in its long-term ability to meet the RAOs for the Site. The following are the RAOs for the Site:

- preventing direct contact and incidental ingestion of soil containing chemical concentrations in excess of their RSCOs in areas underneath existing cover and natural vegetation in the area of the southern berm and in the northwestern section;
- preventing direct contact with the "black tar-like" material in the northwestern section;
- preventing direct contact with debris in the southern berm;
- controlling potential future site excavation;
- ensuring existing engineering controls and the proposed engineering controls in this RAWP are still in place and effective; and
- preventing ingestion of on-Site groundwater.

The proposed remedy will provide long-term effectiveness and permanence. The deed restrictions as set forth in the Environmental Easement and engineering controls will provide protection of human health and the environment in the long-term. Specifically, the deed restriction and Environmental Easement will prevent non-permitted usage of the Site, such as residential day care, childcare, and medical care, and will prohibit potable use of the groundwater, as well as, use of the existing groundwater well for purposes other than the waterfall, without the consent of the NYSDEC.

In addition, the Environmental Easement will provide inquiring parties with information regarding Site conditions. As indicated in the VCA, the Environmental Easement will be filed with the Westchester County

Clerk's office and be available at the Site business offices. The Environmental Easement will inform present and potential future site owners and operators of the procedures that must be implemented to protect the health and safety of any workers performing intrusive work at the Site. These procedures will be addressed in the soils management plan (Section 8.0) by setting forth the procedures for potential future Site excavation and other intrusive activity.

Thus, the Environmental Easement setting forth deed restrictions and the system of existing and proposed engineering controls will effectively eliminate the potential for exposure to soil containing chemical concentrations above NYSDEC RSCOs. Furthermore, due to their locations, the southern berm and northwest section are unlikely to be developed. Particularly, as part of the zoning board resolution granting the right to implement the existing improvements at the Site, the southern berm cannot be developed. The Site Management Plan in combination with annual certification (Section 6.0) to the NYSDEC, ensure that engineering controls will remain in place and be effective in the long-term. With proper implementation, this approach has been proven to be effective at numerous sites.

2.3.4 *Reduction of Toxicity, Mobility, or Volume*

The PAHs detected at the Site are generally of high molecular weight with three or more rings. The molecular weights limit solubility and, therefore, mobility; however, the multi-ring structure makes the compounds persistent. Soil containing PAHs above RSCOs are currently sufficiently capped by asphalt pavement or vegetation and are inaccessible for direct contact. Normal biodegradation of the PAHs will continue to occur at a slow rate over time with the proposed remedy of institutional and engineering controls. Institutional controls provide for isolating the area from the general population and are aimed to prevent unauthorized site utilization. Beyond natural biodegradation, the remedy will not provide

any further substantial reduction of the volume of PAHs. The toxicity of chemicals will not be lowered, but their exposure pathway will be eliminated.

Maintenance/augmentation of the vegetative cover on the southern berm will eliminate the potential for direct contact with lead in surface soils. No reduction in the volume of lead is expected. As with the PAHs, the concentration (toxicity) of the lead will not be changed, but its exposure pathway will be eliminated.

2.3.5 *Implementability*

The engineering and institutional controls proposed for the Site can be completed in a reasonable time frame, and are readily implementable technologies.

2.3.6 *Summary of the Evaluative Criteria*

The proposed remedy was compared against the six evaluative criteria outlined in the *Draft* VCP guidelines. The proposed institutional and engineering controls will be protective of human health and environment in the long-term by reducing the potential for exposure through the elimination of direct contact with chemicals in soil. All SCGs will be met, with the exception of TAGM 4046 RSCOs. However, the pathway for exposure will be eliminated with the proposed remedy, thus soils containing chemical concentrations above TAGM-4046 RSCOs will be inaccessible.

The Site Management Plan will be in place to ensure the long-term effectiveness of engineering controls. In addition, annual certification of these and the deed restriction will be provided to the NYSDEC. Finally, while the volume and toxicity of chemicals in soil will not be reduced, as discussed above, the PAHs and metals identified (lead in southern berm)

in the Site soil are very immobile and will be made inaccessible through the use of the existing and to be implemented engineering controls.

3.0 *PROPOSED REMEDY*

The remedy for the Site will consist of institutional and engineering controls. Figure 3-1 shows the Site in plan view, which identifies the existing engineering controls. The accompanying Site Management Plan and soil management plan are discussed in Section 6.0.

3.1 *INSTITUTIONAL CONTROLS*

Institutional controls will be implemented at the Site to control future Site uses, ensure that engineering controls are in place and are maintained, control development on the Site, and restrict groundwater and surface water use. The deed restriction as set forth in the Environmental Easement will specify the allowable uses for the Site and restrict future Site uses. A figure similar to Figure 3-1 will be referenced in the Environmental Easement to identify all engineering control areas and the type of engineering control to be maintained.

The environmental easement will specify that the Site may continue to be used as a commercial facility and shall not be used for purposes other than set forth therein. The Environmental Easement shall state that the Site shall not be used for day care, childcare, or medical care without the consent of the NYSDEC. The groundwater will not be used for potable purposes without written consent of the NYSDEC. The deed restriction will state that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with its current use.

A Site Management Plan will include a soils management plan to govern the management of all potential future Site excavation activities. The Site Management Plan will be implemented to ensure engineering controls consisting of the existing asphalt parking lot, landscaped areas, and natural vegetation on the southern berm are in place and effective. The

soils management plan and Site Management Plan are discussed further in Section 6.0. An annual certification of the engineering controls will be provided by the Site owner to the NYSDEC.

3.2 *SOUTHERN BERM*

The samples collected from the south side of the Southern Berm contained residual concentrations of metals (lead). The north side and top of the Southern Berm are both covered by landscaping including grass and deciduous and coniferous trees. The south side of the berm is covered by native vegetation consisting of deciduous trees, low brush and vines.

The area to be inspected pursuant to the RAWP extends from the southern ridge of the berm to the property line, and is considered the backside of the berm (i.e., the side that faces away from the property, the south side of the berm). An initial inspection of the south side of the berm will be carried out when the RAWP is implemented. The initial inspection will assess the state of the natural vegetation, look for signs of erosion and identify areas where augmentation of the native vegetation will be considered and implemented, as necessary. During the initial inspection, surficial trash will be removed. The initial inspection will be used as a baseline to which subsequent yearly inspections and subsequent augmentation decisions will be compared.

Visible bottles, trash, tires, and other identifiable debris shall be removed from the surface of the southern berm. Materials shall be removed by hand, to minimize disturbance to the existing vegetation. Work teams shall walk through the southern berm area and hand pick bottles and other refuse from the soil surface. The trash will then be carried to a loading area where the trash will be placed in a container for disposal.

Vegetative plantings may be installed to augment the native vegetation. Any plants installed will mimic, to a reasonable extent, the existing

natural Site conditions, which consist of underbrush, and natural leaf mulch on the soil surface.

Vegetative plantings may consist of a combination of native plants and ferns. Vegetative species identified for their ability to thrive under native, full-shade conditions, as is the case for the southern berm area are:

- Low bush blueberry
- Rhus Aromatica (fragrant sumac
- Forsythia suspensa (weeping forsythia)
- Viburnum trilobum (American cranberry)
- Clethra alnifolia (summer sweet clethra)
- Vine Parthenocissus or engelman

The plants have strong root systems and will spread out horizontal roots, which then send up new stems. With these plants, significant ground cover will be obtained on a permanent basis in one to two growing seasons.

Ferns could be planted in the very shaded areas, to supplement the ground cover provided by the plants, and to enhance the aesthetic quality of the completed project. Ferns that could be planted include:

- Painted fern
- Autumn fern
- Cinnamon fern
- Christmas fern

If vegetative cover of the Southern berm is augmented by installation of additional plant/ferns, watering of the southern berm shall be conducted twice a week for the first month following planting. The building property landscapers shall water the southern berm as needed on a regular basis, and twice weekly should drought conditions occur. This will be conducted for the first year following construction.

3.3 *NORTHWESTERN SECTION*

The impacted northwestern section extends from the curb at the entranceway to a line of tall shrubbery at the eastern limit, and is approximately 5,400 square feet. The area will be inspected to determine if any additional cover is required. If the inspection indicates that no additional cover is required, the existing cover will be photo-documented for future comparison. The cover will be maintained as documented by the inspection by the building's landscaper as specified in the Site Management Plan.

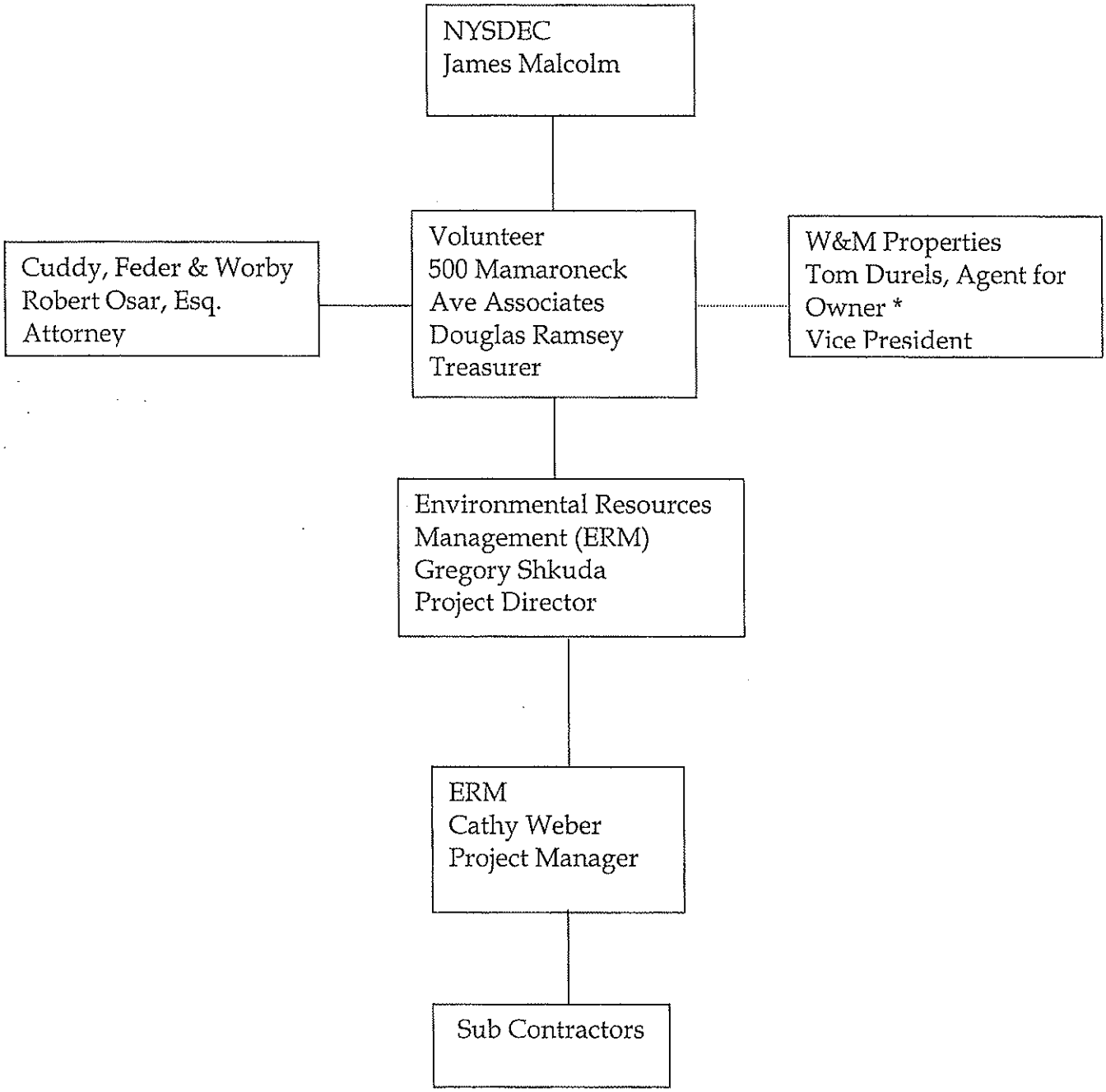
4.0 *HEALTH AND SAFETY PLAN*

A Health and Safety Plan (HASP) for the Site is included as Appendix A to this RAWP. The HASP is to address any potential future Site excavation.

The intent of the HASPs is to minimize the possibility of work-related injury or exposure to Site contaminants through providing site information, utilizing aware and qualified supervised personnel, and the use of appropriate protective equipment while performing remedial activities. The procedures set forth in this HASP are designed to reduce the risk of exposure to Site contaminants and physical or other hazards that may be present.

The HASP defines the measures to be taken to comply with applicable US Occupational Safety and Health Administration (OSHA) and other regulatory requirements during all applicable work at the Site, and focuses primarily on general health issues and personnel exposure issues during implementation of the RAWP.

5.0 *PROJECT ORGANIZATION*



* W&M Properties represents the current ownership group for 500 Mamaroneck Avenue and, as agent for owner, will coordinate with Volunteer regarding the RAWP and its implementation. All written notices and communications should be copied to Tom Durels and Gerrit Blauvelt at W&M Properties, as well as all work at the Site should be coordinated through these contacts.

6.0 *MONITORING AND MAINTENANCE REQUIREMENTS*

The proposed Site remedy described in this RAWP relies on various capping strategies to ensure that direct contact with impacted Site soil does not occur. For this remedial approach to remain protective in the future, monitoring and maintenance measures must be implemented at the Site to prevent unintended direct contact with impacted Site soils.

This section describes the monitoring and maintenance program that will be implemented through the Site Management Plan on an ongoing basis at the Site. The program consists of the following components, described in further detail herein:

- Engineering Controls;
- Soil Management Plan;
- Annual Certification; and
- Institutional Controls.

A draft Site Management Plan for the Site has been included in this RAWP as Appendix B.

6.1 *ENGINEERING CONTROLS*

Engineering controls are the actual physical Site features that prevent direct contact with impacted soil. Once the specific components of the Site remedy described in Section 3.0 have been identified and installed, if necessary, sufficient cover will be in place across the entire Site to prevent direct contact with impacted soil.

The purpose of the maintenance and monitoring program is to describe the on-going maintenance that will be necessary to ensure that the cover materials remain in place and maintains its effectiveness. These measures

will provide long-term protection and prevent unintended direct contact with impacted soil.

The engineering controls at the Site consist of asphalt cover over the parking areas and vegetative cover over the remaining areas. Specific inspection and maintenance procedures regarding these controls are discussed below. These are outlined in Table 8-1.

6.1.1 *Asphalt Cover*

The asphalt parking areas should be maintained in good condition, free of potholes, ruts, significant cracking, and other disrepair. These areas should be inspected semi-annually, with one inspection immediately following the spring thaw. During these inspections, the condition of the asphalt cover, surface water ponding, surface depressions, etc., will be noted and the Remedy Inspection Form (see Table 8-2) will be completed. A copy of the completed Remedy Inspection Form will be transmitted to the building's managing office.

The need for repairs will be determined during the semi-annual inspection and noted on the Remedy Inspection Form. Following inspections, any necessary repairs to the asphalt cover will be implemented to restore the surfaces. Repairs may include patching, sealing of cracks, and repaving. Documentation of the repairs will be filed in the building's managing office.

When so indicated by the Site inspections, asphalt repairs should be made as soon as possible following the inspection. The spring inspection should be scheduled to coincide with the opening of area asphalt batch plants, so that materials for the repairs are readily available. Likewise, the fall inspection should be scheduled prior to the closing of area batch plants, so that any necessary repairs can be made prior to winter. The appropriate asphalt mix shall be selected by the current Site owner/landlord.

6.1.2 *Vegetative Cover*

In most vegetated areas of the Site, the existing vegetation is the key component of the cover system over impacted soil. Therefore, the importance of the vegetation is twofold: to provide an actual barrier from potentially impacted soil, and to prevent erosion of the clean cover soil so that the cover soil thickness does not diminish.

Vegetated surfaces must be inspected regularly to ensure that the underlying soil is properly protected by the depth and vegetation of the cover. It is recommended that the vegetated areas be visually inspected on at least a semi-annual basis.

The protection provided by the vegetative cover should normally be complete with limited visible bare spots. The inspector should also look for erosion rivulets on slopes or any sign of settling. Holes from burrowing animals must also be noted and addressed if they pose an erosion problem.

If inspections reveal that the vegetative cover integrity may be compromised in any way, appropriate mitigative actions must be implemented. Repairs to bare soil areas may include reseeding, planting, fertilizer application and soil conditioning, if applicable. Erosion may be reduced by improving vegetation and altering contours (if appropriate) to minimize storm water run-off velocity. Sections of the slopes that have subsided will be backfilled, regraded and reseeded if necessary.

6.2 *SOIL MANAGEMENT PLAN*

For the Site remedy to remain protective in the future, 1) all subsurface soils must remain undisturbed, or 2) if required to be disturbed, such disturbance must be planned to ensure the protection of Site workers and proper management of the disturbed soil.

A draft Soil Management Plan has been prepared and incorporated into this RAWP as part of the Site Management Plan in Appendix B. The Soil Management Plan describes the means necessary to protect Site workers if intrusive excavation work is performed at the Site, and it should be consulted for procedures to properly manage any disturbed soil. The final version of the Site Management Plan and Soil Management Plan will be provided in the Remedial Action Report.

6.3 *ANNUAL CERTIFICATION*

As part of the Site remedy, NYSDEC requires that an annual inspection and certification be provided, stating that the engineering controls are in place and effective. It is recommended that the annual inspection be conducted toward the end of each calendar year, at the conclusion of seasonal repairs that are made in the fall. Because institutional and engineering controls are relied upon as part of the remedy implemented under the VCA, the volunteer shall file an initial annual report by January 15th as part of the RAWP and annually thereafter until the Department notifies Volunteer in writing that the remedial process is concluded. Thereafter, all annual certifications shall be prepared and filed by owner. Such annual report shall be signed by a NYS Professional Engineer and shall contain a certification that the institutional controls put in place pursuant to the Agreement are still in place, have not deteriorated, and are still effective.

A certification form will be provided in the final Site Management Plan for the Site.

6.4 *INSTITUTIONAL CONTROLS*

Institutional controls will be implemented for the Site. The institutional controls will be legal deed restrictions set forth in the Environmental Easement specifying the following:

- the Site may continue to be used for the uses set forth in the VCA only;
- the Site can not be used for day care, child care, or medical care purposes without the consent of the NYSDEC;
- groundwater at the Site may not be used for potable purposes unless the NYSDEC provides express written permission to allow use for a specific potable purpose; continued use of groundwater for the existing waterfall is permissible; and
- the asphalt parking areas and landscaped areas are considered engineering controls which must be perpetually maintained.

Evidence of the filing of the Environmental Easement by the owner with the Westchester County Clerk's Office will be forwarded to designated NYSDEC representatives.

7.0 *PROJECT SCHEDULE*

Initial vegetative and asphalt cover inspections can be carried out over a one-week period. If vegetative cover augmentation is required, installation of supplemental plants/ferns can be completed within three-weeks of the site inspection. Figure 9-1 shows the project schedule for remediation through submission of the Remedial Action Report (RAR).

Note that the schedule is entirely contingent on weather and seasonal timing. Planting will only be scheduled so that the conclusion of remedial activities coincides with a growing season.

Prior to submittal of the RAR, time periods must be allowed for other tasks that cannot be quantified at this time. These consist of: (1) NYSDEC approval of Environmental Easement language, if applicable; and (2) preparation and legal filing of Environmental Easement.

8.0 *REPORTING REQUIREMENTS*

Following completion of the remedial action, a RAR will be prepared and submitted to NYSDEC for approval. The RAR will summarize the activities that occurred during the remedial action phase of the project. The RAR will be submitted in accordance with Paragraph I.E of the VCA. Specifically, the RAR will contain:

- a summary of the applicable Site data (similar to Section 2.0 of this RAWP);
- a description of the current conditions (including photo-documentation) of the southern berm and the northwestern section;
- a detailed description of vegetative augmentation on the Southern Berm and Northwest sections, if applicable
- certification that all activities were completed in full accordance with the RAWP;
- copies of the Environmental Easement filed with the Westchester County town clerk and the NYSDEC;
- a detailed post-remedial Site Management Plan;

A NYS professional engineer shall prepare, sign, and seal the Site Management Plan, RAR, and certification.

9.0 *REFERENCES*

ERM, 2002. Final Supplemental Site Investigation Report, 500 Mamaroneck Avenue, Harrison, New York, June, 2002.

ERM, 2000. Final Investigation Site Assessment Report, 500 Mamaroneck Avenue, Harrison, New York, Volumes I and II, April 2000.

ERM, 1998. 500 Mamaroneck Avenue, Harrison, New York, June 1998.

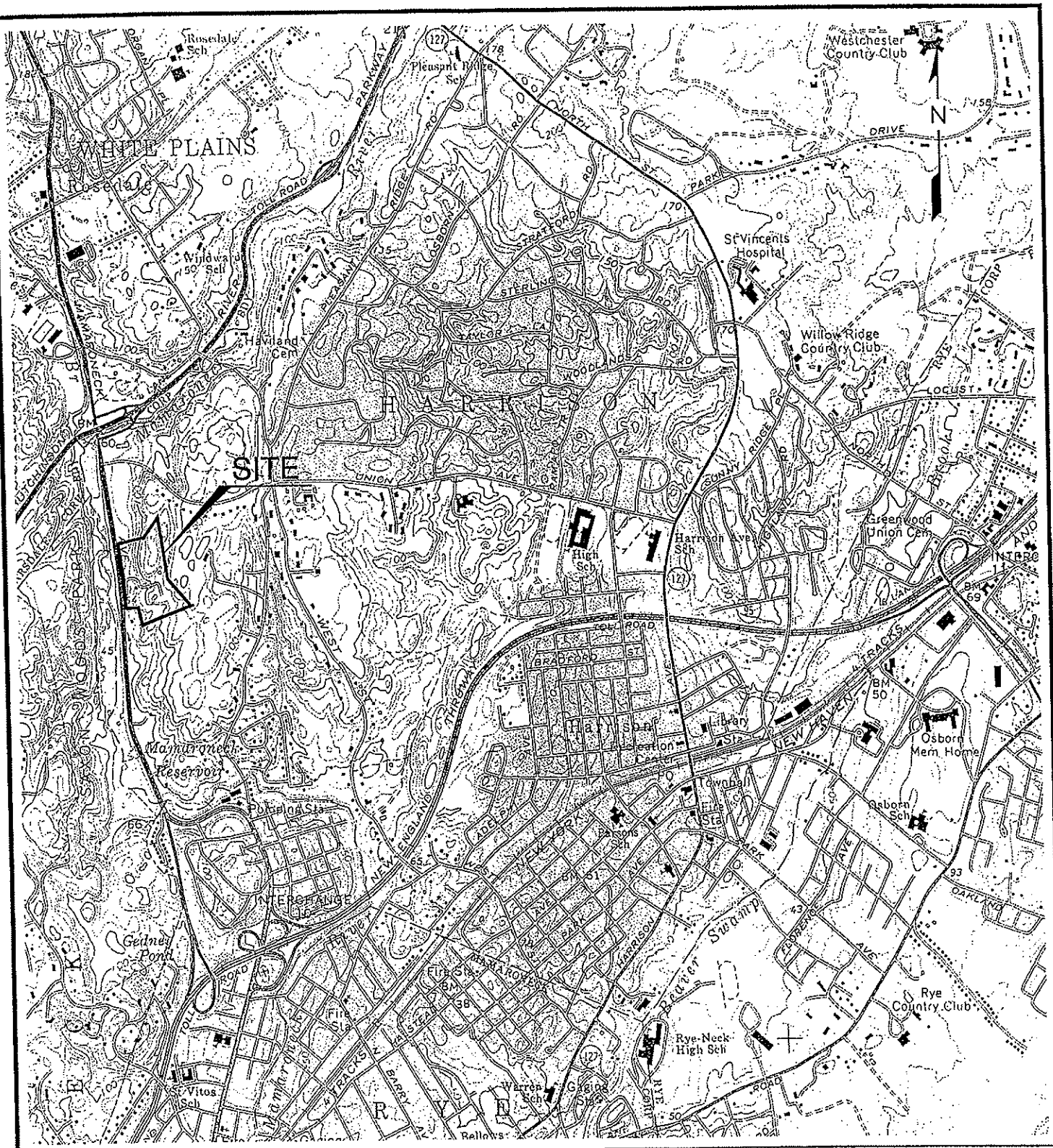
NYSDEC, 2002. Voluntary Cleanup Program Guide *Draft*, Division of Environmental Remediation, May 2002.

NYSDEC, 1994. Technical and Administrative Guidance Memorandum 4046: Determination of Soil Cleanup Objectives and Cleanup Levels, January 24, 1994.

NYSDEC, 1993a. Technical Guidance for Screening Contaminated Sediments, November 1993.

NYSDEC, 1993b. Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values, October 1993. Health and Safety Plan

USEPA, 2000. 40 CFR Part 745: Lead; Identification of Dangerous Levels of Lead; Final Rule.



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.-CONNECTICUT, 1967

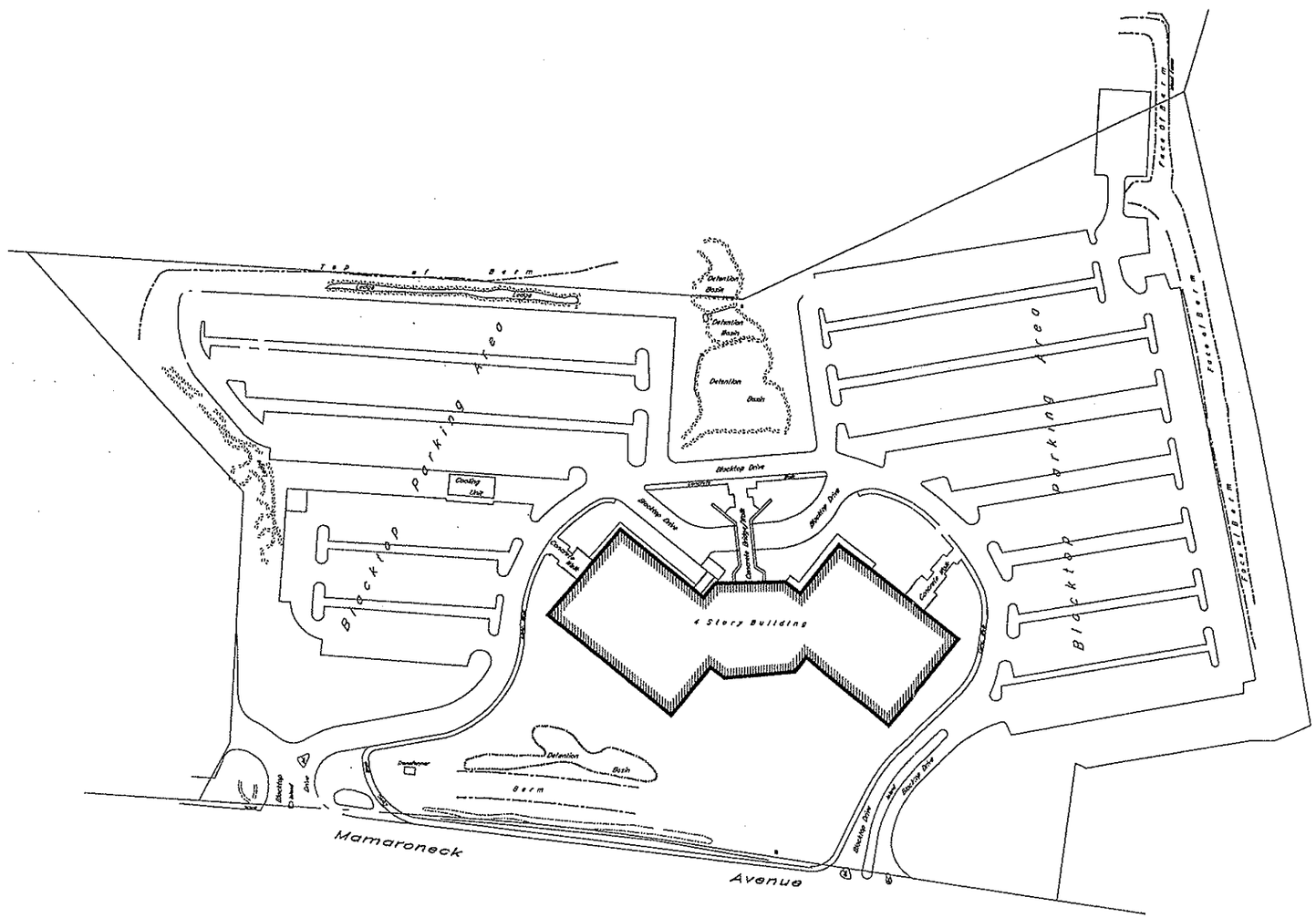
TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management			SCALE: GRAPHIC	FIGURE: 1 – 1
DRAWN: Y.S.	JOB NO.: X8101.00	FILE NAME: X810100025	DATE: 10/08/02	



0 160' 320'

APPROXIMATE GRAPHIC SCALE

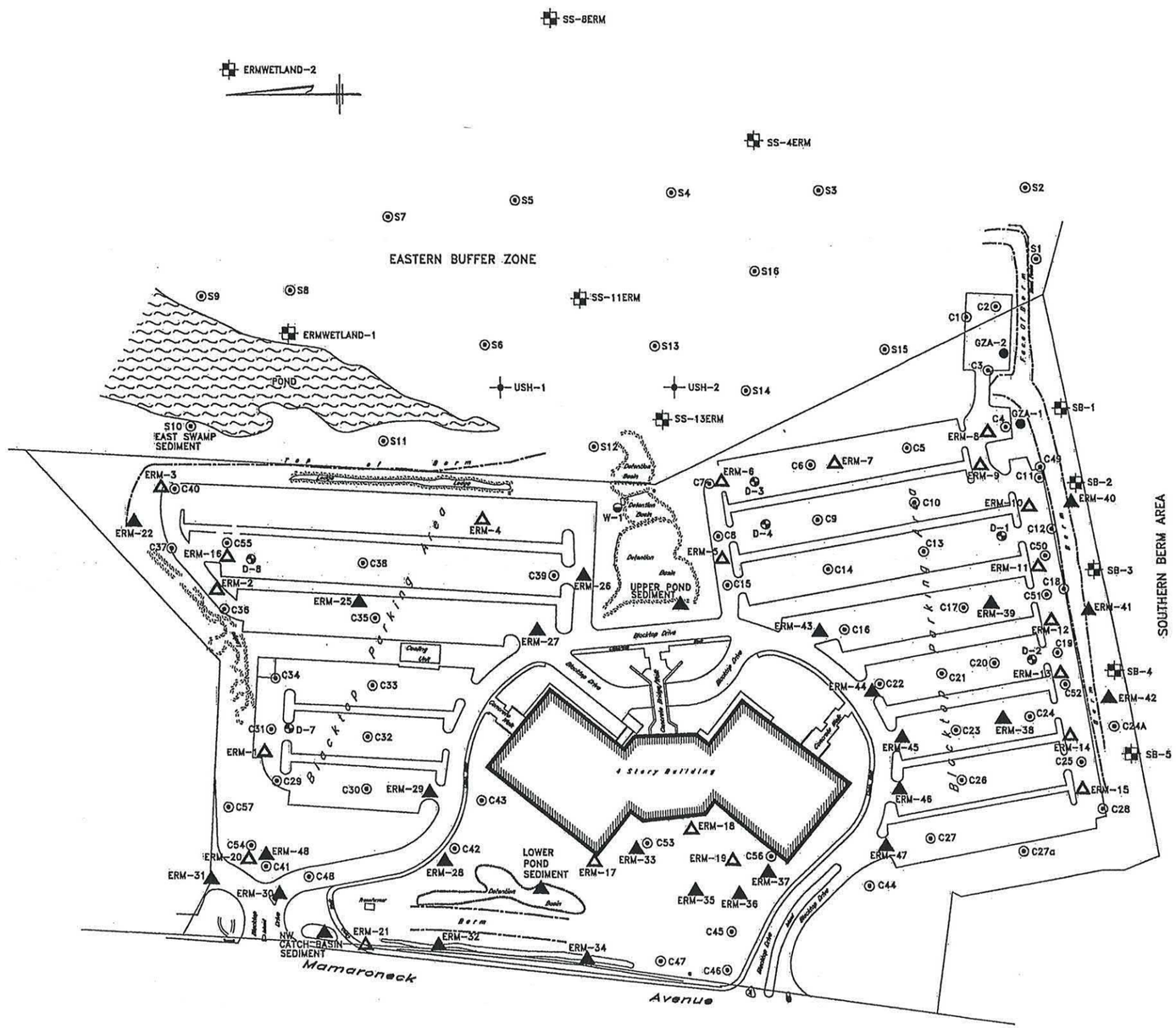
TITLE

SITE PLAN
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN	JOB NO.	FILE NAME	SCALE	FIGURE
R.J.R.	X8101.00.01	X8101007r14	GRAPHIC	1—2
			DATE 5/29/02	



LEGEND

- W-1 —GROUNDWATER SUPPLY WELL
- GZA-1 —GZA SAMPLING LOCATIONS – 1986
- USH-1 —USH INC. SAMPLING LOCATIONS – 1989
- D-1 —DAMES & MORE SAMPLING LOCATIONS–1998
- ERM-1 —ERM BORING LOCATIONS–1998
- C1, S1 —CONECO BORING LOCATIONS–1999
- ERM-22 —ERM BORING LOCATIONS–1999
- SB-1 —ERM SAMPLING LOCATIONS – 2000

0 160' 320'

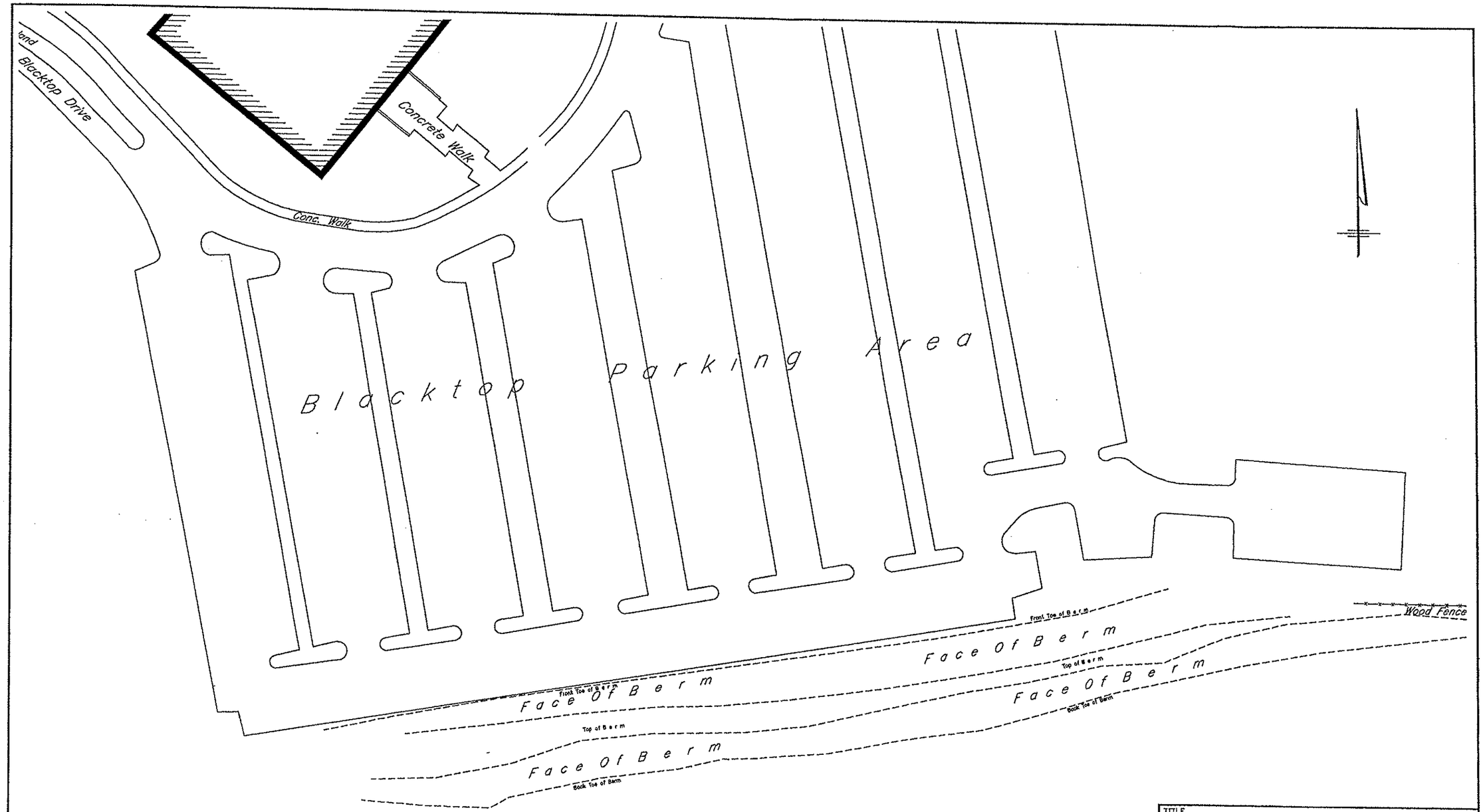
APPROXIMATE GRAPHIC SCALE

TITLE

SITE SAMPLE LOCATIONS
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management		SCALE GRAPHIC	FIGURE 1–3
DRAWN R.J.R.	JOB NO. 0001496-00	FILE NAME 001496-01-00	DATE 03/14/03

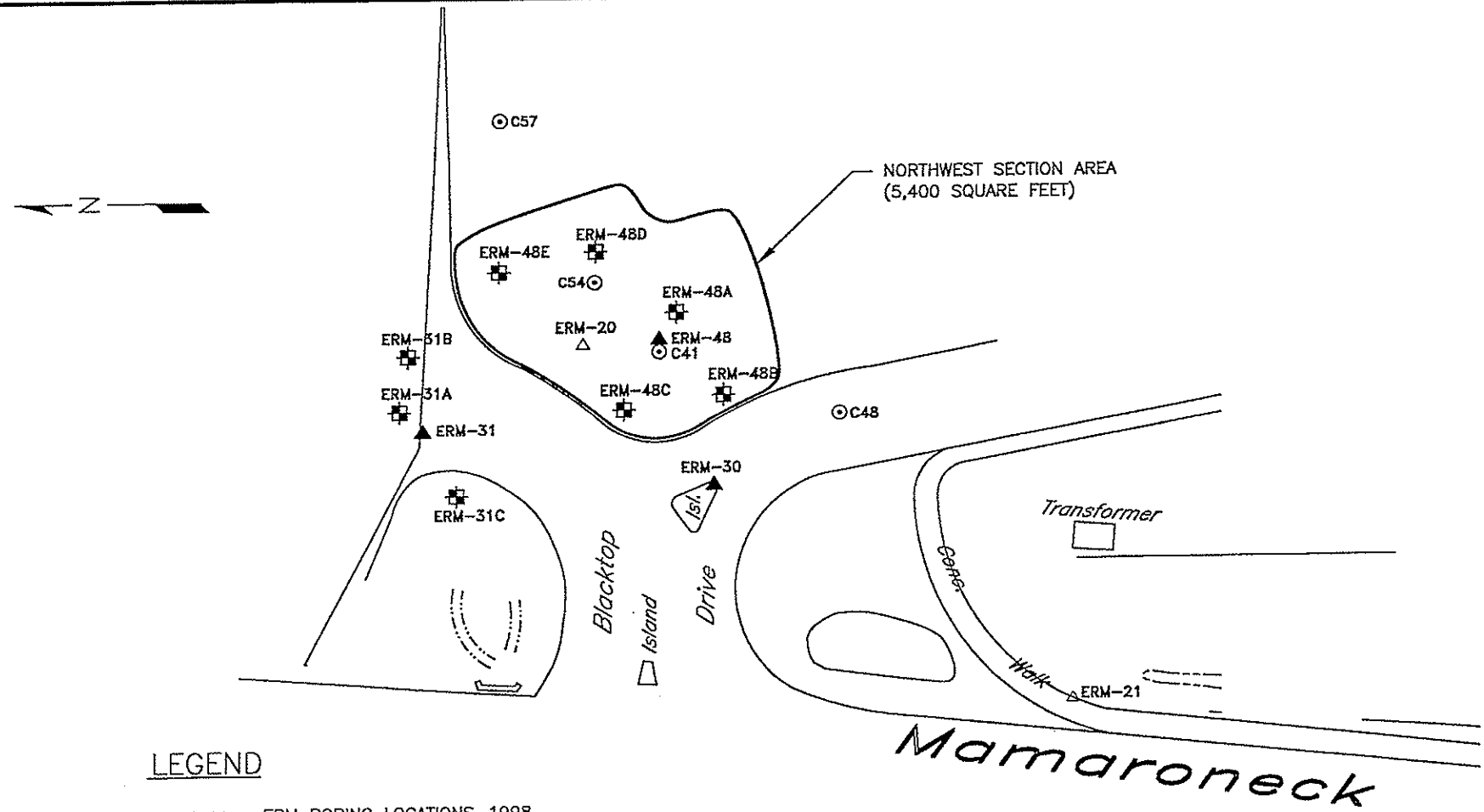


TITLE

PLAN VIEW OF
SOUTHERN BERM AREA
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

BRM Environmental Resources Management		SCALE 1"=60'	FIGURE 3-2
DRAWN: R.J.R.	JOB NO.: 0001496-00	FILE NAME: 0001496-01-00	DATE 03/03/03



LEGEND

△ ERM-20 —ERM BORING LOCATIONS—1998

▲ ERM-30 —ERM BORING LOCATIONS—1999

⊙ C41 —CONECO BORING LOCATIONS—1999

ERM-48A —ERM BORING LOCATIONS – NOVEMBER 2000

0 50' 100'

GRAPHIC SCALE

TITLE

PLAN VIEW OF
NORTHWEST SECTION AREA

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	3-3

DRAWN:	JOB NO:	FILE NAME:	DATE
R.J.R.	0001496-01	0001496-01-003	03/03/03

Figure 9-1
Proposed Remedial Action Schedule
Remedial Action Work Plan
500 Mamaroneck
Harrison, NY

	Weeks Following NYSDEC Approval of Remedial Action Work Plan [1]																
Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Pre-Remedial Action Work																	
Conduct Site Review and Submit Contractor Request for Proposal																	
Notify NYSDEC and Start Remediation Activities																	
Receive Bids																	
Award Contract																	
Lead Time to Order Materials																	
On-Site Activities																	
Mobilization																	
Southern Berm Planting, if needed																	
Report Preparation																	
Prepare Draft Remedial Action Report																	
Internal Review of Report																	
Submission to NYSDEC																	
NYSDEC Comments																	
Prepare and Submit Final Remedial Action Report [2]																	

Notes:

(1) The schedule is entirely contingent on weather and seasonal timing. Construction will only be scheduled so that the conclusion of remedial activities coincides with a growing season.

(2) The draft deed restriction language has been submitted to the NYSDEC, and NYSDEC Counsel has provided proposed substitute language. Volunteer will finalize the deed restriction language with NYSDEC Counsel while the final approved remediation is being implemented and the final agreed upon deed restriction documents will be submitted with final Remedial Action Report.

Figure 9-1
Proposed Remedial Action Schedule
Remedial Action Work Plan
500 Mamaroneck
Harrison, NY

	Weeks Following NYSDEC Approval of Remedial Action Work Plan [1]																
Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Pre-Remedial Action Work																	
Conduct Site Review and Submit Contractor Request for Proposal																	
Notify NYSDEC and Start Remediation Activities																	
Receive Bids																	
Award Contract																	
Lead Time to Order Materials																	
On-Site Activities																	
Mobilization																	
Southern Berm Planting, if needed																	
Report Preparation																	
Prepare Draft Remedial Action Report																	
Internal Review of Report																	
Submission to NYSDEC																	
NYSDEC Comments																	
Prepare and Submit Final Remedial Action Report [2]																	

Notes:

(1) The schedule is entirely contingent on weather and seasonal timing. Construction will only be scheduled so that the conclusion of remedial activities coincides with a growing season.

(2) The draft deed restriction language has been submitted to the NYSDEC, and NYSDEC Counsel has provided proposed substitute language. Volunteer will finalize the deed restriction language with NYSDEC Counsel while the final approved remediation is being implemented and the final agreed upon deed restriction documents will be submitted with final Remedial Action Report.

Table 8-1
Remedy Inspection Schedule
500 Mamaroneck Avenue, Harrison, NY

Semi-Annually (once following the spring thaw and once during the fall)

- visually inspect the condition of the following remedy components:
  - asphalt cover
  - vegetated slopes along the southern berm
  - landscaping areas around the asphalt cover;
- complete the Remedy Inspection Form;
- complete any required maintenance to the above remedy components; and
- transmit documentation of repairs to the building management's office.

Annually

- File annual report to NYSDEC that engineering controls are still in place, have not been altered, and are still effective by January 15th
  - include certification of deed restriction

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: _____

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☐	☐
Is there any surface water ponding on the asphalt cover?	☐	☐	☐
Is there any evidence of settlement?	☐	☐	☐

Specify Correction Actions Needed:

_____

_____

_____

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☐	☐
Are there any erosion rivulets?	☐	☐	☐
Is there evidence of any washouts or soil slides?	☐	☐	☐

Specify Correction Actions Needed:

_____

_____

_____

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any extensive visible bare spots?	☐	☐	☐
Are there any erosion rivulets?	☐	☐	☐
Is there evidence of any washouts or soil slides?	☐	☐	☐

Specify Correction Actions Needed:

_____

_____

_____

cc: Managing Office

Attach a copy of Figure 1-1

APPENDIX A

Site Management Plan

SITE MANAGEMENT PLAN

The site remedy relies on the continued maintenance of the existing engineering controls (parking lot, buildings, and landscaped areas) to prevent direct contact with soil in all areas of the Site, including the southern berm and northwestern areas of the site. Contact with impacted site soils may occur during future construction or related activities (tree planting, installation or maintenance of light poles, etc.). This section describes the monitoring and maintenance program that will be implemented on an ongoing basis at the Site. The program consists of the following components, described in further detail herein and set forth in the Environmental Easement:

- Engineering Controls;
- Soil Management Plan;
- Annual Certification;
- Institutional Controls.

1.0 ENGINEERING CONTROLS

Engineering controls are the actual physical Site features that prevent direct contact with impacted soil. Sufficient cover exists across the entire Site to prevent direct contact with impacted soil. The purpose of the maintenance and monitoring program is to describe the on-going maintenance necessary to ensure that the cover materials remain in place. These measures will provide long-term protection and prevent direct contact with impacted soil.

The engineering controls at the Site consist of asphalt cover over the parking areas, existing buildings, and structures and vegetative cover over the remaining landscaped areas. Specific inspection and maintenance procedures regarding these controls are discussed below.

1.1 ASPHALT COVER

The asphalt parking areas will be maintained in good condition, free of potholes, ruts, significant cracking, and other disrepair. These areas will be inspected on a semi-annual basis. One inspection will be scheduled to follow the spring thaw and the end of major winter storm events. The second inspection will occur six (6) months later in the fall and prior to first frost. During these inspections, the condition of the asphalt cover, ponding of surface water surface depressions, etc., shall be noted and documented on the Remedy Inspection Form. A copy of the completed Remedy Inspection Form (Table 8-2) should be transmitted to the building's managing office and retained by the Owner for future review purposes.

The need for repairs will be determined during the inspection events and noted on the Remedy Inspection Form. Following inspections, any necessary repairs to restore the surfaces to the asphalt cover will be carried out. Repairs may include patching, sealing of cracks, and paving. Documentation of the repairs will be filed in the building's managing office and retained by the

Owner for future review purposes.

When so indicated by the Site inspections, asphalt repairs should be made within 7 days of notice to the building manager. The date and nature of the repairs shall also be documented and retained by the Owner. The spring inspection should be scheduled to coincide with the opening of area asphalt batch plants such that materials for the repairs are readily available. Likewise, the fall inspection should be scheduled prior to the closing of area batch plants such that any necessary repairs can be made prior to winter. The asphalt mix selected shall match the existing pavement and shall be of sufficient quality to endure the weather conditions at the site.

1.2 VEGETATIVE COVER

In most vegetated areas of the site, the existing vegetation is the key component of the cover system. Therefore, the importance of the vegetation is to provide an actual barrier from potentially impacted soil, and to prevent surface erosion.

The final vegetated surfaces must be inspected regularly to ensure that the underlying soil is properly protected by the depth and vegetation of the cover (i.e. if any augmentation of the vegetative cover is carried out, the surfaces after this activity has concluded). It is recommended that the vegetated areas be visually inspected on at least a semi-annual basis and following major storm events as noted in Section 1.1.

The protection provided by the vegetative cover should normally be complete with no visible bare spots. The inspector must look for erosion rivulets on slopes or any sign of settling. Holes from burrowing animals must also be noted and addressed as they pose an erosion problem or threat.

If inspections reveal that the vegetative cover integrity may be compromised in any way, appropriate mitigative actions must be implemented. Repairs to bare soil areas may include plantings, seeding, fertilizer application and soil conditioning, if applicable. Erosion may be reduced by improving vegetation and altering contours (if appropriate) to minimize stormwater run-off velocities. Sections of the slopes that have subsided must be backfilled, graded and seeded if necessary. The nature of the repairs must be documented by the Owner and retained for future review purposes.

1.3 EXTERNAL BUFFER ZONE

At the time the 500 Mamaroneck Avenue property was developed, i.e. the office building and parking areas were constructed, the Harrison Board of Zoning required that approximately 20 acres of the site be set aside as buffer between the office and adjoining residences. A portion of the undeveloped portion of the property, the Eastern Buffer Zone, consisting of a wooded area and a seasonal pond cannot be developed. Yearly inspection of the portion of the property, coincident with one of the asphalt or berm inspections will be carried out to ensure that the portion of the property remains undeveloped as required by the Zoning Board Resolution.

2.0 SOIL MANAGEMENT PLAN

For the site remedy to remain protective in the future, all subsurface soils must remain undisturbed, or if required to be disturbed, such disturbance must be planned to ensure the protection of site workers, public health, and the environment. The Health and Safety Plan (Appendix B) will be used by workers carrying out these activities. Further, the NYSDEC shall be informed of any such work in writing before any such construction occurs. During future site development activity, the excavation of soil/fill may be necessary during the construction of footings, utilities, and other related activities. Residual contaminated soils may be excavated from the site during such activities. If this occurs, characterization of soil will be performed and, where applicable, disposal/reuse will be done in accordance with NYSDEC regulations. Proper management of the disturbed soil and any associated waste materials (groundwater, sediment, etc.) shall be necessary and will require the approval of the NYSDEC. Further, evaluation of the potential for vapor intrusion for any buildings developed on the site, including provision for mitigation of any impacts identified will be performed. Finally, future redevelopment will be conducted such that all use restrictions (development and groundwater) detailed in the VCA are complied with.

3.0 ANNUAL CERTIFICATION

The Volunteer and Owner will be responsible for the recording of an institutional control in form of an Environmental Easement. The easement will require that the property owner comply with the approved site management plan, limit the use and development of the property to commercial or industrial uses as specified in the easement, restrict the use of groundwater as a source of potable or process water, and require the property owner to complete and submit to the NYSDEC an annual certification. The certification must state that the engineering controls described above are in place and effective. It is recommended that the annual inspection be conducted toward the end of each calendar year such that it follows the conclusion of any seasonal repairs performed during the calendar year.

The Property Owner shall file an annual report by January 15th to the NYSDEC Project Manager. The annual report can be signed by the Property Owner or their designee (Professional Engineer or Geologist) and shall contain a certification that the institutional and engineering controls put in place pursuant to the Agreement are still in place, are being complied with, have not deteriorated, and are still effective.

4.0 INSTITUTIONAL CONTROLS

Institutional controls in the form of an Environmental Easement will be implemented for the Site as noted above. The easement will be applicable to the entire Site and include a map showing the area of control, a description of the controls. The easement will be executed by the Property Owner in a manner enforceable by the State of New York to establish and maintain the environmental easement and will be in a recordable form pursuant to Real Property Law Section 291. The environmental easement will contain legal deed restrictions specifying the following:

- the site may continue to be used for the uses set forth in the VCA and Environmental Easement only;

- the site can not be used for day care, child care, or medical care purposes without the consent of the NYSDEC;

- groundwater at the site may not be used for potable purposes unless the NYSDEC provides express written permission to allow use for a specific potable purpose; continued use of groundwater for the existing waterfall is permissible; and

- the asphalt parking areas and landscaped areas are considered engineering controls which must be perpetually maintained.

Evidence of the filing of the Environmental Easement with the Westchester County Clerk's Office will be forwarded to designated NYSDEC representatives.

APPENDIX B

Health and Safety Plan

FINAL REPORT

500 Mamaroneck Avenue Associates

Health and Safety Plan
500 Mamaroneck Avenue Site
Harrison, New York

January 2005

0016447

Environmental Resources Management
475 Park Avenue, Floor 29
New York, NY 10016

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1.0 *INTRODUCTION*

1) This health and safety plan (HASP) has been developed for the completion of potential future intrusive work at the 500 Mamaroneck Avenue Site (Site) located in Harrison, New York. The HASP will be updated if needed to address specific work at the site.

1.1 *IMPLEMENTATION*

A copy of this HASP will be made available to all employees prior to their Site work. They will be required to review this plan before the start of any Site activities. All other personnel involved with intrusive activities will have received a pre-entry briefing.

The procedures set forth in this HASP are designed to reduce the risk of exposure to chemical substances and physical or other hazards that may be present. The procedures described herein were developed in accordance with the publications indicated below:

1. Safety and Health Standards 29 CFR 1910 (General Industry), US Department of Labor, Occupational Safety and Health Administration (OSHA). Hereafter, referred as "29 CFR 1910."

2. OSHA 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response, U.S. Dept. of Labor, OSHA.

3. OSHA Safety and Health Standards 29 CFR 1926 (Construction Industry), U.S. Department of Labor, OSHA.

4. OSHA Safety and Health Standards 29 CFR 40 Part 61 Nation Emissions Standards of Hazardous Air Pollutants, U.S. Dept. of Labor, OSHA.

5. OSHA Safety and Health Standards 29 CFR 40 Part763 Asbestos, U.S. Dept. of Labor, OSHA.

6. Standard Operating Safety Guides, U.S. Environmental Protection Agency (EPA), Office of Emergency and Remedial Response.

7. Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control, National Institute for Occupational Safety and Health (NIOSH).

The recommended health and safety guidelines within this HASP will be modified if future information changes the activities to be performed or the characterization of the area in which work is to be performed.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately ½ mile south of the Hutchinson River Parkway at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1-1. The Town of Harrison defines the property as Block 482, Lot 8.

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were

removed prior to construction of the current office building development. This material was removed only from that portion of the site that was improved (the portion closest to Mamaroneck Avenue). Water is provided by the local municipal system and the site therefore has no drinking water well(s). A bedrock well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small seasonal wet area is located in the northeastern portion of the property, immediately east of the northern portion of the parking area. The wet area appears on the 1990 U.S. Department of the Interior Wetlands Inventory Map and is described as a Palustrine - Scrub/Shrub - Broad leaf - deciduous-seasonally flooded area. The area is not shown on the 1987 N.Y. State Fresh-Water wetlands map and is therefore not regulated by the NYSDEC.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences further to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.3 *CHEMICAL AND PHYSICAL HAZARDS*

1.3.1 *Chemical Hazards*

The exposure limits and physical properties for the chemicals of concern (PAHs, PCBs, and metals) are summarized in Table 1-1. The potential pathways of chemical exposure include inhalation, ingestion, injection, and skin contact. This information was used to develop action levels for on-Site activities. Although the chemicals identified are a potential health concern, measures will be taken to minimize potential for exposure.

1.3.2 *Physical Hazards*

Table 1-2 contains a summary of potential physical hazards that may be encountered during potential intrusive work activities. In addition, employee exposures to excessive noise may adversely effect their safety and health. As with chemical exposures, noise exposures are time dependent and guidelines will be established in accordance with OSHA 1910.95.

2.0 *PERSONNEL RESPONSIBILITIES*

The following responsibilities and authorities should be assigned to personnel during intrusive activities.

2.1 *HEALTH AND SAFETY PROGRAM MANAGER*

A designated Health and Safety Program Manager (HSPM) is assigned to manage the health and safety program. The HSPM must have a certified industrial hygienist (CIH) or certified safety professional (CSP) certification at a minimum, and has the authority to command sufficient resources to safely perform the work. The HSPM shall also demonstrate experience at numerous hazardous waste sites and has experience with State and Federal Occupational Safety and Health regulations.

2.2 *SITE HEALTH AND SAFETY OFFICER*

The Site Health and Safety Officer (SHSO) is assigned to manage health and safety at the Site. The SHSO will provide day-to-day industrial hygiene support, including air monitoring, training, and Site safety inspections. The SHSO has the authority to stop on-Site operations whenever conditions threaten the health or safety of employees or the surrounding community. The SHSO or designee will remain on-Site during all project operations.

- The SHSO will complete a daily diary of activities, which includes Health and Safety procedures, such as equipment calibration and maintenance.

2.3 *SUBCONTRACTORS*

Subcontractors hired to conduct intrusive work involving impacted soils at the Site will be provided a copy of this HASP. Subcontractors involved

with intrusive activities involving impacted soils at the Site will be informed of the health and safety concerns and will be responsible, at a minimum, for maintaining the health and safety requirements presented in this HASP. Information, such as air monitoring and analytical results, will be shared with subcontractors to assist them in addressing the health and safety recommendations.

Subcontractors involved with intrusive activities involving impacted soils at the Site must meet the training, respirator certification and medical examination requirements of the OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120). Subcontractors involved with intrusive activities involving impacted soils at the Site will be required to provide completed certification forms for this purpose.

3.0 *PERSONNEL TRAINING*

All personnel associated with intrusive activities involving impacted soils at the Site must participate in a health and safety training program that complies with OSHA 29 CFR 1910.120, HAZWOPER, prior to mobilization at the Site. This program instructs employees on the intent of the standard, health and safety principles/procedures, proper operation of monitoring instruments, use of PPE, decontamination, and Site specific emergency plans.

All personnel have an initial 40-hour training course. This course is supplemented by an annual 8-hour refresher course. Any chemical specific training that may be required will be based upon compliance with 29 CFR 1910.1200, Hazard Communication. Personnel responsible for supervision and on-site management relative to Site operations receive an additional 8 hours of specialized training. Additional training is provided for those employees responsible for responding to Site emergencies.

A copy of this HASP will also be made available to all personnel for review. All employees will complete a Health and Safety Plan review form to verify they have reviewed this plan and a copy of the form is provided as Exhibit 1 in Appendix B. All subcontractors involved with intrusive activities involving impacted soils at the Site are required to certify that their employees have received medical exams, training and are capable of respirator usage. The Contractor Occupational Safety and Health Certification form is attached as Exhibit 3. All employees and subcontractors will also be required to fill out a field medical data sheet (Exhibit 5) prior to starting activities at the Site.

All on-Site personnel involved with intrusive work will attend a pre-entry briefing on the chemical and physical hazards associated with the Site.

The initial health and safety briefing will consist of the following information:

- Names of personnel and alternates responsible for Site safety and health.
- Injury, illness, and other hazards present on the Site.
- Safe use of engineering controls and equipment on-Site.
- Work practices by which the employee can minimize risks from hazards.
- Selection, use, care, and maintenance of Personal Protection Equipment (PPE).
- Site control procedures.
- Site decontamination procedures.
- Standard operation safety procedures.
- Review of Emergency Response Plan.

A daily tailgate meeting will be conducted prior to starting any intrusive activities. The topics covered will include a reminder of Site hazards, target activities for the day's work, potential changes in observed exposure levels, staff changes (e.g., due to illness) and responsibilities.

4.0 SITE MONITORING AND PERSONAL PROTECTIVE EQUIPMENT

4.1 PERSONAL PROTECTIVE EQUIPMENT

The various types of PPE and levels of protection to be used during Site activities are discussed in this section. These levels are based upon OSHA guidelines presented in 29 CFR 1910.120 as well as previous investigation results summarized in Table A-1 of Appendix A. All equipment will carry applicable MSHA/NIOSH approvals.

The SHSO will determine the necessity to upgrade, downgrade or modify levels of protection. The SHSO will make entries in the Daily Site Safety Log when protection levels are modified, explaining the reason for the modification. Currently, Level D PPE and potentially Level C are required for Site activities. If level C protection is determined to be necessary during the implementation of the remedy based upon particulate air monitoring (see Section 9.0), the HASP will be revised at that time. Descriptions of Levels D and C PPE are as follows:

Level D Protection

- Coveralls or work uniform affording protection from nuisance dust contamination.
- Steel-toe work boots.
- Safety glasses.
- Hard hat.

Optional Equipment as required by the SHSO

- Chemical resistant outer gloves and inner latex surgical gloves;
- Rubber overboots;
- Hearing protection;
- Disposable dust masks;
- Disposable outer coveralls;

- Portable 2-way radios;
- Chemical splash goggles.

Level C Protection

- Full-face air purifying respirator (APR) equipped with a HEPA pre-filter and organic vapor cartridge (combination cartridge). This type of respirator should be used when employees risk exposure to volatile organics and/or particulate matter.
- Chemical-resistant coveralls (i.e., SARANEX coated Tyvek).
- Chemical resistant outer gloves (i.e., polyvinyl alcohol-PVA) and inner latex surgical gloves.
- Steel-toe work boots with rubber overboots.
- Chemical-resistant tape over seams in protective clothing (gloves and boots).
- Hard Hat.

Optional Equipment as Required by the SHSO

- Hearing protection.
- Splash-shield (full-face coverage, eight-inch minimum) or splash hood.
- portable 2-way radios.

4.2 *SITE MONITORING AND LEVELS OF PROTECTION*

Intrusive activities at the Site may create potentially hazardous conditions, such as the release of hazardous substances into the employee breathing zone or surrounding area. An evaluation of chemical hazards at the Site will be performed to ensure employee safety and selection of appropriate PPE. Air monitoring will be conducted using direct reading instruments.

The following section describes the monitoring parameters to be evaluated during intrusive activities. Specific analytical instruments and air monitoring action levels are also discussed in the following section.

Contaminants found at the Site include poly aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and metals within dust generated from impacted soils. These contaminants were detected in on-site soils. Generally, metals, PCBs, and PAHs will not be volatile, therefore the primary exposure pathway for these constituents is considered to be respiratory inhalation of dust (airborne particulates) and/or ingestion, injection, and/or skin contact with soil which contains concentrations of these metals, PCBs, and PAHs.

Since particulates may become airborne when intrusive activities involving impacted soils at the Site are conducted, employee exposures may occur through inhalation. Since there are no practical, direct-reading monitors to determine the actual concentrations of metals, PCBs or PAHs in dust that site workers may be exposed to during intrusive activities involving impacted soils at the Site, dust action levels have been established that provide adequate protection for exposure to airborne metals, PCBs, and PAHs in dust. These action levels are established by 1) assuming that all soils contain the maximum known concentrations of the metals, PCBs, and PAHs of concern, and then 2) calculating applicable dust concentrations that would ensure that the contaminant concentrations are less than the OSHA PELs for those contaminants. The equation, and actual calculations for these contaminants are presented in Appendix A and in Section 4.2.3.

These estimates are to be used as "potential" maximum concentrations within the employee breathing zones if employees are working within 2 feet of the exposed contaminant source. Temperature, wind speed, and other environmental factors have not been used in these calculations, and, therefore, the results in Appendix A are worst case estimates.

Total dust concentrations at the Site will therefore be monitored under the direction of the SHSO. These continuous air monitoring results will be

compared to the action level criteria for upgrading or downgrading levels of protective equipment and implementing additional precautions or procedures. Dermal protection afforded by Level D protective clothing shall be required regardless of air monitoring results.

Due to the anticipated low concentrations of constituents during intrusive activities, personnel working within the EZs will begin work operations with Level D PPE. Air monitoring will be utilized to determine if upgrade to Level C PPE is necessary based upon comparisons to the Site specific action levels. Field personnel will first implement engineering and administrative controls (e.g. work upwind and apply basic hygiene principles) to reduce the risk of exposure. If further protection is necessary, then PPE will be upgraded to Level C.

4.2.1 *Site Monitoring Instruments*

All air monitoring will be conducted with appropriate equipment to identify the contaminants of concern at the Site. The following instruments will be utilized, as necessary, to quantify the suspected materials at the Site:

- *Particulate* – A digital particulate monitor such as the MIE Personal DataRam (PDR-1000) will be used to measure total particulate levels in air. The SHSO may elect to utilize additional instrumentation, such as the MIE DataRAM, to obtain respirable airborne particulate concentration data.

Direct reading instruments will be used continuously during any intrusive activities. All instruments used during Site activities will be intrinsically safe for use in designated areas. Instruments will be calibrated prior to use and on an as-needed basis, thereafter consistent with the manufacturer's recommendations. Calibration information will be documented in a Daily Site Safety Log.

All Site monitoring will be conducted under the supervision of the SHSO. All on-Site readings will be recorded by the SHSO in the Daily Site Safety Log.

4.2.2 *Site Monitoring Frequency*

Site monitoring will be conducted to assess both the current conditions and changing status of airborne dust concentrations. The following air monitoring schedule will be performed at the Site:

- *Initial Background* - Upon initial entry and prior to initiation of any Site activities, to identify background baseline conditions, exposures above OSHA-PELs and Site specific action levels.
- *Daily Background* - Prior to initiation of daily Site activities within the EZ and at the conclusion of daily Site activities. Includes both upwind and downwind locations.
- *Work Activities* – Rotate between work areas on a continuous basis.
- *Contaminant Migration* - Degree of contaminant migration will be evaluated by viewing the perimeter monitoring instruments every two hours or more frequently if deemed necessary by the SHSO during intrusive activities. Readings will be obtained from a minimum of four stations.

Site monitoring will be conducted under the direction of the HSO and may be revised based on previous sampling results and current Site conditions. Site monitoring results will be documented in the Daily Site Safety Log provided as Exhibit 2. Sampling for subsequent laboratory analysis will not be performed unless otherwise specified.

4.2.3 *Action Levels*

The following action levels have been established for activity cessation, site evacuation, emergency response, implementation of special procedures, and the upgrade or downgrade in the level of PPE. The action levels are based upon OSHA Final Rule PELs promulgated by 29 CFR 1910 Subpart Z - Toxic and Hazardous Substances. However, not all

OSHA regulated compounds have action levels. As a result, often times 50% of the PEL or TLV is used as an action level, which indicates the need for further investigation, improved engineering controls and/or upgrading PPE.

The primary exposure pathway for all site contaminants is considered to be respiratory inhalation of dust (airborne particulates) generated during intrusive activities disturbing the soil. Based on the methodology described at the beginning of this section, the following action levels (allowable particulate concentrations) have been calculated:

Copper:

[1.0 mg copper/m^3 of air)] * [1,000,000 mg soil/kg soil] = [625 mg soil/m^3 of air]
[1,600 mg copper/kg soil]

Lead:

[0.05 mg lead/m3 of air)] * [1,000,000 mg soil/kg soil] = [2.43 mg soil/m3 of air]
[20,600 mg lead/kg soil]

Zinc:

[15.0 mg zinc/m3 of air)] * [1,000,000 mg soil/kg soil] = [3,119 mg soil/m3 of air]
[4,810 mg zinc/kg soil]

Arsenic:

[0.01 mg arsenic/m3 of air)] * [1,000,000 mg soil/kg soil] = [262 mg soil/m3 of air]
[38.2 mg arsenic/kg soil]

Cadmium:

[0.005 mg cadmium/m3 of air)] * [1,000,000 mg soil/kg soil] = [128 mg soil/m3 of air]
[39 mg cadmium/kg soil]

Chromium:

[0.5 mg chromium/m3 of air)] * [1,000,000 mg soil/kg soil] = [3,846 mg soil/m3 of air]
[130 mg chromium/kg soil]

Magnesium:

[5 mg magnesium/m3 of air)] * [1,000,000 mg soil/kg soil] = [227 mg soil/m3 of air]
[22,000 mg magnesium/kg soil]

Mercury:

[0.1 mg mercury/m3 of air)] * [1,000,000 mg soil/kg soil] = [1,550 mg soil/m3 of air]

[64.5 mg mercury/kg soil]

Nickel:

[1 mg nickel/m3 of air)] * [1,000,000 mg soil/kg soil] = [7,692 mg soil/m3 of air]
[130 mg nickel/kg soil]

Polychlorinated Biphenyls:

[0.5 mg PCBs/m3 of air)] * [1,000,000 mg soil/kg soil] = [119,000 mg soil/m3 of air]
[4.2 mg PCBs/kg soil]

PAH[1]:

[0.2 mg coal tar pitch volatiles/m3 of air)] * [1,000,000 mg soil/kg soil] = [71.8 mg soil/m3 of air]
[2,784 mg total PAH in B-41/kg soil]

These calculations show that any particulate action levels less than 2.4 mg soil/m^3 are also protective of exposures to the metals, PAHs, and PCBs of concern. The complete rationale and derivation of these calculations are presented in Appendix A and the contaminant migration guidelines are described in Section 9, Community Air Monitoring Program.

4.3 *LEVELS OF PROTECTION*

Until otherwise necessary, all employees performing Site activities will utilize Level D PPE. The number of intrusive activities occurring at one time will be minimized to limit the potential for dust to become airborne. Ambient air monitoring will be conducted daily within the EZs to evaluate potential employee exposures.

Monitoring results for the total airborne particulate concentration will be compared to established action levels to determine if the level of PPE currently used for the specific work activity offers adequate protection. The HSO will make the final decision regarding the level of protection for on-Site workers based upon the measurements indicated by direct reading instruments.

Furthermore, ambient air monitoring will also be conducted at the perimeter of the EZs to determine potential contaminant migration. Perimeter monitoring is described in further detail in section 10.0.

4.4 *REASSESSMENT OF THE HEALTH AND SAFETY PROGRAM*

The levels of protection chosen for the intrusive work at the Site are based on information obtained from historical Site records and the results of investigations already completed at the Site. As additional work is conducted, additional information concerning the types and quantities of material present at the Site will be obtained. This additional information will be used to re-evaluate the chosen levels of protection. Levels of protection for various work activities will be modified if this additional information warrants such an action.

4.5 *LOGS, REPORTS AND RECORDKEEPING*

All logs, reports and records related to this project will be maintained in the custody of the SHSO.

5.0 DECONTAMINATION

5.1 GENERAL PERSONNEL DECONTAMINATION

Personnel involved with intrusive activities may be exposed to contaminants in a number of ways, despite the most stringent protective procedures. While performing intrusive activities involving impacted soils, Site personnel may come in contact with hazardous substances. Site equipment and monitoring instruments may also be exposed to hazardous substances.

In general, decontamination involves scrubbing with a detergent/water solution followed by clean water rinses. All disposable items shall be disposed of in designated lined containers to be sent for off-Site disposal. Non-disposable equipment will be decontaminated in the CRZ each time it leaves the EZ. Certain parts of equipment, such as cloth components, are difficult to decontaminate. If grossly contaminated, they may have to be soaked for a period of time in a cleaning solution. Rubber components shall be soaked in detergent/water and scrubbed with a brush.

In addition to decontamination, all non-disposable protective clothing and personal articles soiled from exhalation or perspiration, must be sanitized before they can be used again. Each worker will be responsible for the proper maintenance, decontamination, and sanitizing of his/her own non-disposable PPE.

All PPE and decontamination water will be contained in 55-gallon drums for sampling and a determination of appropriate disposal. Details of this procedure are provided in Section 5.4.

5.2 *PERSONNEL DECONTAMINATION PROCEDURES*

The following procedures have been established to provide Site personnel with minimum guidelines for proper decontamination. These minimum procedures must be followed by personnel leaving the EZ (see Section 6.3). The decontamination process shall take place at a reasonable distance from any area of potential contamination.

Designated stations will be established within the CRZ and include at least wash tubs, scrub brushes, detergent/water and rinse water when appropriate for non-disposable equipment. Non-disposable equipment will be cleaned and staged for the next use. Wash stations shall consist of a potable water supply, hand soap and clean towels. In most instances, employees will perform self-decontamination. In cases where further assistance is necessary, employees will be designated to work within the CRZ to assist employees with decontamination. Modifications of the decontamination procedures may be necessary as determined by the HSO. Decontamination solutions will be contained in 55-gallon drums, sampled and disposed of consistent with regulatory guidance and applicable regulations.

5.3 *DECONTAMINATION PROCEDURES FOR PRESCRIBED LEVELS OF PROTECTION*

The following decontamination procedures shall be implemented during Site activities for the appropriate level of protection.

Level D - Personal Protection Decontamination Procedure

Step 1 - Segregated Equipment Drop: Deposit contaminated equipment (tools, sampling devices, monitoring instruments, etc.) onto plastic drop cloths.

Step 2 - Boot, Outer Glove and Coverall Wash: Brush overboots (if used), outer gloves (if used) and coveralls (if used) free of residual materials. If necessary, wash with detergent/water solution and rinse with water.

Step 3 - Boot, Outer Glove and Coverall Removal: Remove overboots (if used), outer gloves (if used), and coveralls (if used) in that order. Place disposable overboots, outer gloves, and coveralls into a container with a plastic liner. Stage non-disposable equipment for future use.

Step 4 - Inner Glove Wash and Removal: Wash and remove inner gloves (if used) and place in lined container.

Step 5 - Field Wash: Wash hands and face thoroughly.

Level C - Personal Protection Decontamination Procedure (if required)

Step 1 - Segregated Equipment Drop: Previously described.

Step 2 - Overboot, Outer Glove and Coverall Wash: Overboots, outer gloves and coveralls shall be scrubbed with a detergent/water solution.

Step 3 - Overboot, Outer Glove and Coverall Rinse: Rinse overboots, outer gloves and coveralls using generous amounts of water.

Step 4 - Tape Removal - Remove tape from around boots and gloves and place into container with a plastic liner.

Step 5 - Removal of Overboots and Outer Gloves: Remove overboots and outer gloves in that order. Non-disposable overboots and gloves will be staged for future use and disposable overboots and gloves will be placed into a container with a plastic liner.

Step 6 - Cartridge Change: This is the last step in the decontamination procedures for those workers wishing to change respirator cartridges and return to the EZ. The workers cartridges are exchanged, new outer gloves and overboots are donned, and joints are taped. For workers moving to support zone (SZ), spent cartridges will be removed as part of step 9.

Step 7 - Removal of Chemical-Resistant Clothing: With care, remove chemical resistant suit. The exterior of the suit shall not come into contact with any inner layers of clothing. Place disposable clothing in container with plastic liner.

Step 8 - Inner Glove Wash and Rinse: Inner gloves shall be washed with a detergent/water solution and rinsed with water.

Step 9 - Remove Respirator: Remove respirator and place on plastic. Keep face/glove contact to a minimum.

Step 10 - Inner Glove Removal: Remove inner gloves and deposit in container with plastic liner.

Step 11 - Field Wash: Wash hands and face thoroughly.

5.4 *DECONTAMINATION WASTEWATER, PPE AND SAMPLING EQUIPMENT DISPOSAL PROCEDURES*

Intrusive work activities will generate small quantities of decontamination wastewater, spent PPE, and expended disposable sampling equipment that will be contained in 55-gallon drums for off-Site disposal. Drums must be sampled, characterized and disposed of within a reasonable time period after sampling has been completed, as defined below. Drums will be placed adjacent to the CRZ for ease in placing waste materials in the drums, and for subsequent transportation and off-Site disposal. All drums will be secured at the end of each day by placing the lid on the drums, securing the ring back on the drums, and by tightening the drum bolts.

Drums containing spent PPE and disposable, sampling equipment will be assumed to be a non-hazardous waste, labeled with commercially available DOT labels, and disposed of at a permitted off-Site facility. Waste characterization samples will be collected from the drums and analyzed prior to disposal. The PPE and sampling equipment drums as well as the drums containing decontamination wash water will remain on-Site until the waste characterization data is available and arrangements for disposal have been finalized.

Waste characterization samples of the decontamination wash water will be collected on the last day of fieldwork and shipped to an NYSDOH accredited laboratory for analysis. The drums containing decontamination wash waters will be labeled indicating that the drums

contain waste material that must be managed as "Non-Hazardous" unless classified otherwise in accordance with ongoing laboratory analysis. All spent PPE, disposable sampling equipment and decontamination wash water drum labels will contain the following information:

- the name and address of the generator;
- the contents of the drum;
- drum content classification (i.e. Hazardous, Non-Hazardous, PCBs etc.);
- appropriate warnings relative to the material classification;
- the operation that generated the contents;
- the start accumulation date;
- the telephone number of the responsible contact; and
- any other appropriate information relative to the drum's classification.

Following receipt of the analytical results of the drum characterization samples, the waste decontamination wash water will be profiled as either "RCRA and/or TSCA Hazardous" or "Non-Hazardous" and appropriate arrangements will be made for transportation and off-Site disposal of the drums. The labels on the drums will then be changed to reflect the appropriate classification prior to shipment for off-Site disposal. In addition, the waste characterization data will be used to complete the appropriate hazardous waste classification and waste manifest forms for the spent PPE and the disposable sampling equipment.

It is anticipated that the drums of waste to be generated through the sampling work will be removed from the Site for disposal within 45 days after the termination of field activities. All activities related to drum storage and/or transportation for off-Site disposal should be with the NYSDEC. Copies of all waste disposal manifests and other documentation (i.e. Certificates of Disposal) will be provided when they become available.

6.0 SITE ACCESS AND SITE CONTROL

6.1 SITE ACCESS

Access to Site activity areas will be limited to authorized personnel only. Such personnel include workers, subcontractors and regulatory personnel. Access into the work areas will be limited to those authorized personnel with appropriate training, fit testing and medical surveillance, and wearing appropriate PPE. All active areas will be monitored by the SHSO to ensure unauthorized personnel do not enter.

6.2 SITE CONTROL

Certain procedures must be followed to ensure suitable control and limitation of access. For purposes of this plan, the "Site" refers to all work areas of the project. All personnel entering the Site will report to the SHSO prior to conducting any field activities. Entrance onto the Site will only be permitted for authorized personnel. Specific work areas will be delineated.

6.3 WORK ZONES

Both physical and chemical hazards can be minimized by the establishment and maintenance of work zones. No zones shall be delineated so as to block active roads. Work activities should always be conducted using the "buddy" system, which includes two or more employees.

Intrusive work performed at the Site may have the potential to cause elevated employee exposures to contaminants.

1)

All work areas for specific activity should have its own Exclusion Zone (EZ) and Contaminant Reduction Zone (CRZ), or some activities may have overlapping or shared EZs and CRZs. The Support Zone (SZ) will typically be a contiguous common area. *Exclusion Zones*

An EZ shall be established for each respective intrusive activity work area. The EZ will be an area where contamination may be present. All personnel entering an EZ shall wear the prescribed level of PPE.

The EZ shall be delineated by the field personnel to take into account the limits of the operating area and the spatial requirements of equipment and personnel. The perimeter of the EZ shall be delineated with a temporary warning tape or equivalent to ensure no unauthorized entry. All persons within the EZ shall wear the required level of personal protection. A wind direction indicator (i.e., wind sock or surveyor tape) will be located in the EZ to continuously monitor wind direction. A work area shall remain an EZ until sampling and intrusive work are completed.

Contaminant Reduction Zones

The CRZ will be the area designated as the transition zone between the EZ and the SZ. A CRZ shall be established for each respective EZ. The CRZ will be used for performing decontamination of personnel and equipment. Each CRZ will be clearly labeled by placing tape around the CRZ boundary. Entry to these areas will be restricted to necessary personnel required to perform the designated activity.

Support Zone

The SZ will consist of all the remaining areas of the Site that are considered non-contaminated or "clean." The SZ is the remaining area outside the EZs and CRZs. Support equipment is located within this zone,

and personnel may wear normal work clothes within this zone. While in the SZ, employees will don the required PPE prior to entering the EZ. Any potentially contaminated clothing, equipment, and samples shall remain in the CRZ until decontaminated.

7.0 *EMERGENCY RESPONSE*

An emergency response contact list is provided as Table 7-1. A Hospital Route Map and contact information is presented as Figure 7-1. Both are located at the end of this Section.

An on-Site emergency may be the result of chemical exposures, chemical spills, and/or physical exposures, such as fire. In order to ensure that all employees involved with Site activities are familiar with emergency procedures, the following emergency response plan has been developed in accordance with 1910.120 (l) and 1910.38 (a). This plan includes the following:

- Pre-emergency planning
- Reporting systems
- Emergency evacuation procedures, routes, and Roster Point
- Employee alarm systems
- Rescue and medical duties for those employees trained to perform them

This plan will be communicated orally to the employees, in accordance with 1910.38 (a)(5)(iii) and presented herein.

7.1 *PRE-EMERGENCY PLANNING*

Pre-emergency planning is an integral part of any emergency response. Prior to the commencement of fieldwork, the project team will meet to discuss the projects' health and safety requirements. Personnel roles, lines of authority and communication will be addressed, so that when the fieldwork begins, the field team will be familiar with their responsibilities.

7.2 *NOTIFICATION OF SITE EMERGENCIES*

Appropriate authorities, as indicated on Table 7-1, will be immediately notified of the nature and extent of the emergency. Emergency procedures, under direction from the SHSO, will be initiated as indicated in Section 7.8. The SHSO will notify and coordinate activities with regulatory representatives.

7.3 *RESPONSIBILITIES*

The SHSO will be responsible for responding to all emergencies, and will:

- Notify appropriate authorities and/or health care facilities of the activities and hazards of Site operations. Table 7-1 provides emergency telephone numbers that will be posted within the support zone.

- Ensure that a hospital route map (Figure 7-1) which details the most direct route to the nearest hospital and the list of emergency telephone numbers (Table 7-1) are posted on Site in the trailers, and in all Site support vehicles. Both the route to the hospital and emergency contacts will also be posted in the SZ adjacent to where intrusive activities are being conducted. The SHSO will require all drivers of the support vehicles to become familiar with the emergency route and the travel time required at the beginning of project operations.

First Aid

At least one "industrial" first aid kit shall be provided and maintained fully stocked at an easily accessible uncontaminated location. In addition, dry chemical fire extinguishers shall be provided at any site location where flammable materials may present a fire risk.

All certified first aid responders have received and reviewed a copy of the Bloodborne Pathogens Standard, OSHA 29 CFR1910.1030, which describes the requirements regarding training, PPE, and post-exposure follow-up in the event of an exposure incident.

7.4 *DECONTAMINATION PROCEDURES FOR EMERGENCY INCIDENTS*

Should an injured person have an excessive exposure to contaminated soil they will be decontaminated, if appropriate, and brought immediately to the hospital. The SHSO will decide whether or not to decontaminate an affected employee, and the decision will be based upon the type and severity of the illness or injury and the nature of the contaminant. For some emergency victims, immediate decontamination may be an essential part of life-saving first aid. For others, decontamination may aggravate the injury or delay life-saving treatment. If decontamination does not interfere with essential treatment, it may be performed by any employee trained in the appropriate decontamination procedures, including personal protective clothing.

While performing the decontamination procedures, the protective clothing of the affected employee will be washed, rinsed and/or cut off. If decontamination cannot be performed, then the victim will be wrapped in blankets, plastic or rubber to reduce contamination of other personnel. Emergency and offsite personnel will be alerted to potential contamination, and they will be instructed in specific decontamination procedures if necessary. At least one person familiar with the incident will be sent along with the victim during emergency treatment.

7.5 *ACCIDENTS AND INJURIES*

In the event of an accident or injury at the Site, appropriate emergency measures must be taken immediately to assist those who have been

injured or exposed, and to protect others from hazards. The SHSO shall be immediately notified and will respond according to the seriousness of the injury.

If the emergency involves personnel injuries, local Emergency Services will be contacted immediately. The SHSO, or a person designated by the SHSO, should be prepared to provide the following information:

- exact location of the emergency;
- phone number he/she is calling from;
- type of injury(ies);
- how many persons have been injured; and
- what assistance or first aid is being given to the injured person(s).

Do NOT hang up unless told to do so. In most cases, the EMS dispatcher will require the caller to *stay on the phone*.

When emergency services arrive, Site personnel shall immediately inform them of the details of the situation and what type of chemicals and hazards may be encountered on the Site. If available, Material Safety Data Sheets (MSDSs) should be given to the responders.

If warranted by the severity of the incident, emergency response personnel may enter the EZ dependent upon monitoring data. If appropriate, emergency personnel will exit the EZ through the CRZ utilizing the same decontamination procedures as are applicable to remediation workers.

The SHSO will observe and document any and all recognized symptoms of injury or illness. A reference of common symptoms is provided as Table 7-2.

All occupational injuries and illnesses will be documented by the SHSO on an OSHA 101 form. Completed forms will be faxed immediately to the HSO for appropriate action.

7.6 *SITE COMMUNICATIONS*

Telephones will be used as the primary off-Site communication network. Telephone services will be made available on-site by personnel mobile phones.

On-Site communications will be maintained via verbal communication and hand signals. Site communication systems will be set up by the SHSO. When verbal communication is ineffective, hand signals will be utilized.

- Hand grips throat - Can't breathe!
- Grip partner's wrist - Evacuate area immediately!
- Hands on top of head - Need Assistance.
- Thumbs up - O.K., No problem.
- Thumbs down - No, Negative.

Since the communication system also serves as the employee alarm system, all emergency messages shall have priority over all non-emergency messages. A test of the reliability and adequacy of non-supervised employee alarm systems should be conducted every two months, in accordance with 1910.165(d)(2).

7.7 *SITE ACCESS AND SECURITY*

In an emergency the SHSO must know who is on the Site and must be able to control the entry of personnel into the EZ areas to prevent additional injury and exposure. Therefore, access to Site activity areas will be limited to authorized personnel with appropriate training and medical surveillance, and wearing appropriate PPE. Such personnel may include authorized Owner representatives, subcontractors, and regulatory

personnel. All active areas will be monitored by the SHSO to ensure unauthorized personnel do not enter.

Sign-in procedures will be implemented to ensure that only authorized personnel participate in EZ activities. The SHSO will coordinate this effort and maintain documentation accordingly. An EZ Sign-In Sheet is presented as Exhibit 6 and a Site Sign-In Sheet is presented as Exhibit 7.

8.0 SPECIAL PRECAUTIONS AND PROCEDURES

8.1 POTENTIAL RISKS

Intrusive activities at the Site may pose potential exposure risks from both chemical and physical hazards. The potential for chemical exposure to hazardous substances is significantly reduced through the use of personal protective clothing, dust suppression and other engineering controls and implementation of safe work practices including air monitoring.

Physical hazards associated with the activities can also be encountered. Physical hazards may be encountered during activities involving sampling, heavy equipment, temperature extremes, traffic and overhead or underground utilities. This plan establishes precautionary measures to reduce the risks of these hazards. The hazards are addressed below.

8.2 EXCAVATION PROCEDURES

Minimal excavation is anticipated at the Site. If excavation is necessary for any reason, employees performing excavation activities are required to follow guidelines established by OSHA in 1926.651. In accordance with this standard, employees will implement the following procedures:

- All surface encumbrances that are located so as to create a hazard to employees shall be removed or supported, as necessary, to safeguard employees;

- Structural ramps that are used solely by employees as a means of access or egress from excavations shall be designed by a competent person. When ramps or runways are constructed of two or more structural members of uniform thickness, they will be connected together to prevent displacement;

- A safe means of egress shall be located in trench excavations that are 4 feet or more in depth, so as to require no more than 25 feet of lateral travel for employees;

- Since potentially hazardous atmospheres may exist in the excavations at the Site, excavations 4 feet or greater in depth should be monitored using a PID and LEL/O_2 meter prior to entering the confined space;

- Emergency rescue equipment, such as breathing apparatus and a safety harness and line, shall be readily available where hazardous atmospheric conditions exist or may reasonably be expected to develop during work in an excavation;

- Employees will not work in excavations in which there is accumulated water;

- If excavation work disrupts the natural drainage of surface water, diversion ditches or dikes will be used to prevent the surface water from entering the excavation;

- Daily inspections of excavations will be made by a competent person as needed; and

- Walkways will be provided where employees or equipment are required to cross over excavations. Guard rails that comply with 1926.502 (b) will be provided where walkways are 6 feet or more above lower levels.

8.3 *HEAVY MACHINERY/EQUIPMENT*

All Site personnel must remain aware of those Site activities that involve the use of heavy equipment and machinery. It is essential that all personnel at the Site exercise extreme caution during operation of equipment and machinery to avoid physical injury to themselves or others. Personnel will always work under the assumption that the operator is not aware of their presence.

Machinery and equipment will be equipped with all appropriate safety and warning devices. Operators will inspect all machinery and equipment prior to operations. All unsafe or damaged equipment shall be identified by a "Danger - Do Not Operate" tag or equivalent.

8.4 *MAINTENANCE WORK*

Employees performing any type of maintenance work on mechanical equipment will take special precautions for potential exposures to dust. The particulate monitors will be used continuously during maintenance work to ensure that the most appropriate PPE is used, and for detecting excessive dust generation. In addition, lock-out/tag-out procedures will be implemented whenever maintenance activities are performed. These procedures will help protect all employees at the Site.

8.5 *HEAT STRESS*

The timing of activities may be such that heat stress may pose a threat to the health and safety of Site personnel. Acclimation periods and work/rest regimens will be implemented as necessary so that personnel do not suffer adverse effects from heat stress. Workers should be aware that heat stress can occur, and take applicable precautions.

8.6 *COLD STRESS*

The timing of intrusive activities may be such that cold stress may also present a threat to the health and safety of Site employees. Work/rest schedules, with rest in a warming shelter, will be implemented as necessary to reduce adverse effects from cold exposure. Cold stress, if necessary, will be monitored in accordance with the American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit value (TLV) for Cold Stress or equivalent. The addition of wind speed and the resulting wind chill will be considered when determining an appropriate work/rest schedule and appropriate clothing.

Site personnel will be encouraged to consume water to avoid dehydration. Potable water and/or a drink substitute (i.e., Gatorade) shall be available

for employee consumption. Workers will wear adequately insulated clothing to limit exposure to cold.

8.7 *TRAFFIC*

Areas of operation located along active thoroughfares will utilize traffic cones, flagmen, warning signs or other applicable measures to divert motorists safely around the Site activities. All employees involved in these activities will wear orange reflector safety vests.

8.8 *STANDARD SAFETY OPERATING PROCEDURES*

The following are additional safety precautions for Site activities:

- Eating, drinking, chewing gum or tobacco, smoking or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in the exclusion, decontamination and other designated work areas.
- Hands and face will be thoroughly washed upon leaving the work area and before eating, drinking, or any other activity.
- Contact with potentially contaminated surfaces will be avoided. Personnel, wherever possible, will not walk through puddles, mud, or other discolored surfaces; kneel on ground; lean, sit or place equipment on drums, containers, vehicles or the ground.
- Medicine and alcohol can increase the effect of exposure to toxic chemicals. Therefore:
  - Personnel using prescription drugs shall inform the doctor who prescribed them of their potential contact with toxic materials;
  - Personnel who take over-the-counter drugs within a day before work on-Site must inform the SHSO of the warnings listed on the drug's container (the part of the label that says, for example, "Do not take this medication if you are operating a motor vehicle");
  - Alcoholic beverage intake will be prohibited during project operations. Personnel under the influence of alcohol or recreational or illegal drugs will not be allowed on-Site.

- Personnel and equipment in the work areas will be minimized and consistent with effective Site operations.

- Hearing protection may be required for Site personnel working around heavy equipment. This requirement will be at the discretion of the SHSO.

- Any work operations conducted on hazardous energy sources will be performed in accordance with 29 CFR 1910.147 - Control of Hazardous Energy Sources.

- Employees will always utilize the buddy system.

- Material Safety Data Sheets (MSDSs) will be provided for all materials brought on-Site. MSDSs will be stored in a labeled binder inside the main trailer unit. Compliance with 1910.1200 Hazard Communication standard will be achieved by the SHSO during training sessions, as needed.

- All on-Site electrical systems will be maintained in accordance with 29 CFR 1926 Subpart K - Electrical and will meet applicable 1999 National Electric Code specifications.

- General trash and waste material will be deposited in designated receptacles.

- Whenever decontamination procedures for protective clothing are in effect, the entire body shall be thoroughly washed as soon as possible after the protective clothing is removed.

8.9 ACCIDENT PREVENTION PLAN

An accident prevention plan (APP) has been incorporated into this HASP as indicated below and as referenced in the appropriate sections.

Safety Meetings

Safety meetings will be performed each week. Pre-entry briefings will also be performed prior to the initiation of any new activity. Additional information is provided in Section 3.2.

Site Housekeeping

Form and scrap lumber with protruding nails and all other debris will be kept clear from all work areas in accordance with 29 CFR 1926.25. Combustible scrap and debris will also be removed at regular intervals. Containers will be provided for collection and separation of all refuse. Covers will be provided on containers used for flammable or harmful substances. Wastes will be disposed of at frequent intervals.

Mechanical Equipment Inspection

All vehicles in use will be checked at the beginning of each shift to ensure that all parts, equipment, and accessories that affect safe operation are in proper operating condition and free from defects. All defects will be corrected before the vehicle is placed in service in accordance with 29 CFR 1926.601.

9.0 *COMMUNITY AIR MONITORING PLAN*

Real-time air monitoring for particulate levels at the perimeter of each intrusive activity area will be conducted to ensure that the health and safety of on-Site workers and the Community is protected. The community air monitoring activities that will be conducted at the Site are described in the following sections.

9.1 *PARTICULATE MONITORING*

Particulates may become airborne during intrusive activities. The *Draft* Voluntary Cleanup Program Guide (NYSDEC, May 2002) Appendix D: "Generic Community Air Monitoring Plan" provides guidance for particulate monitoring, which is summarized herein. Because real-time monitoring can provide measurement results for respirable particulates, but not the non-volatile constituents of concern (metals, PAHs, and PCBs), perimeter monitoring for particulates will be conducted at the EZ boundaries rather than the perimeter of the property. The monitoring of total particulates, however, requires complex instrumentation. Therefore, the perimeter may be monitored for respirable particulates. This would result in a more conservative monitoring approach, providing greater protection to the community. The particulate monitoring instrumentation will measure particulate matter less than 10 micrometers in size (PM-10). The right to implement respirable particulate monitoring in lieu of total particulate monitoring is reserved should it be needed as the project progresses. In addition, fugutive dust migration will be visually assessed during all work activities. Particulate levels will be monitored as follows:

- A real time particulate datalogging monitor, such as an MIE Personal Data RAM (PDR-1000) or an MIE DataRAM for respirable particulates, will be set up to continuously collect and log particulate concentrations. Particulate concentrations will be continuously

measured and logged at the upwind and downwind perimeters of the EZ at temporary particulate monitoring stations.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than the upwind measurement for a 15-minute period an audible alarm will sound and dust suppression techniques will be employed.

- The monitoring stations must be viewed/inspected at least every two hours to determine the current airborne particulate concentrations. If the audible alarm sounds between inspections, the monitors will be checked immediately. The upwind and downwind concentrations will be compared to determine whether the downwind PM-10 level is 100 mg/m^3 greater than the upwind concentration and dust control measures need to be implemented. Airborne particulate concentrations observed during these inspection rounds will be documented in writing in the health and safety log.

- At any time that visible dust is observed crossing the property line, EZ activities will be stopped at that time and corrective action taken.

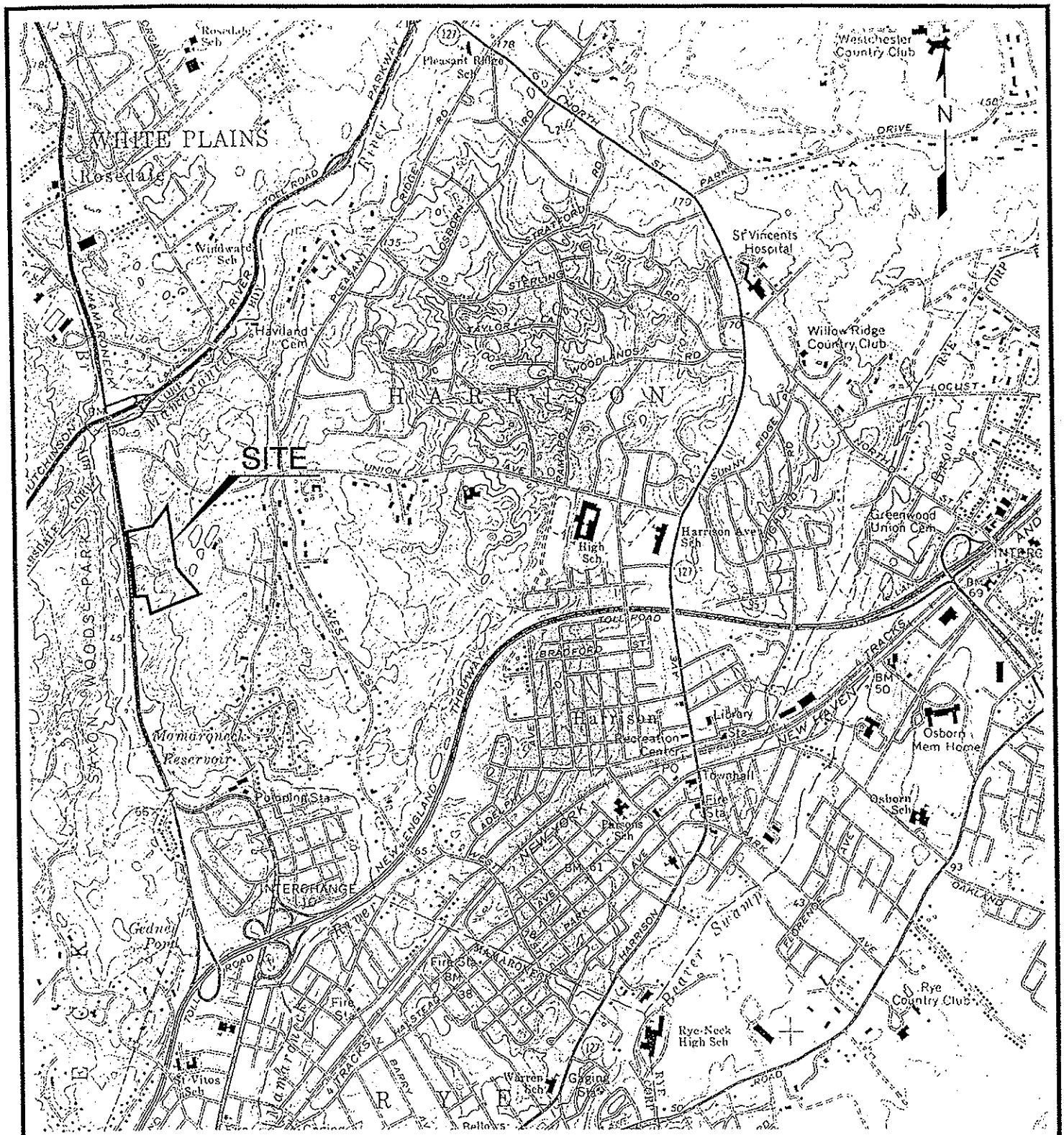
- Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If after implementation of dust suppression techniques, PM-10 particulate levels integrated over the STEL period are observed to exceed 0.150 mg/m^3 above the upwind level at the perimeter of the EZ, work will be stopped and a re-evaluation of activities initiated.

- Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/ m^3 of the upwind level and in preventing visible dust migration.

- All conditions and response actions must be recorded and be available for NYSDEC and NYSDOH personnel to review.

FIGURES



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.-CONNECTICUT, 1967

TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

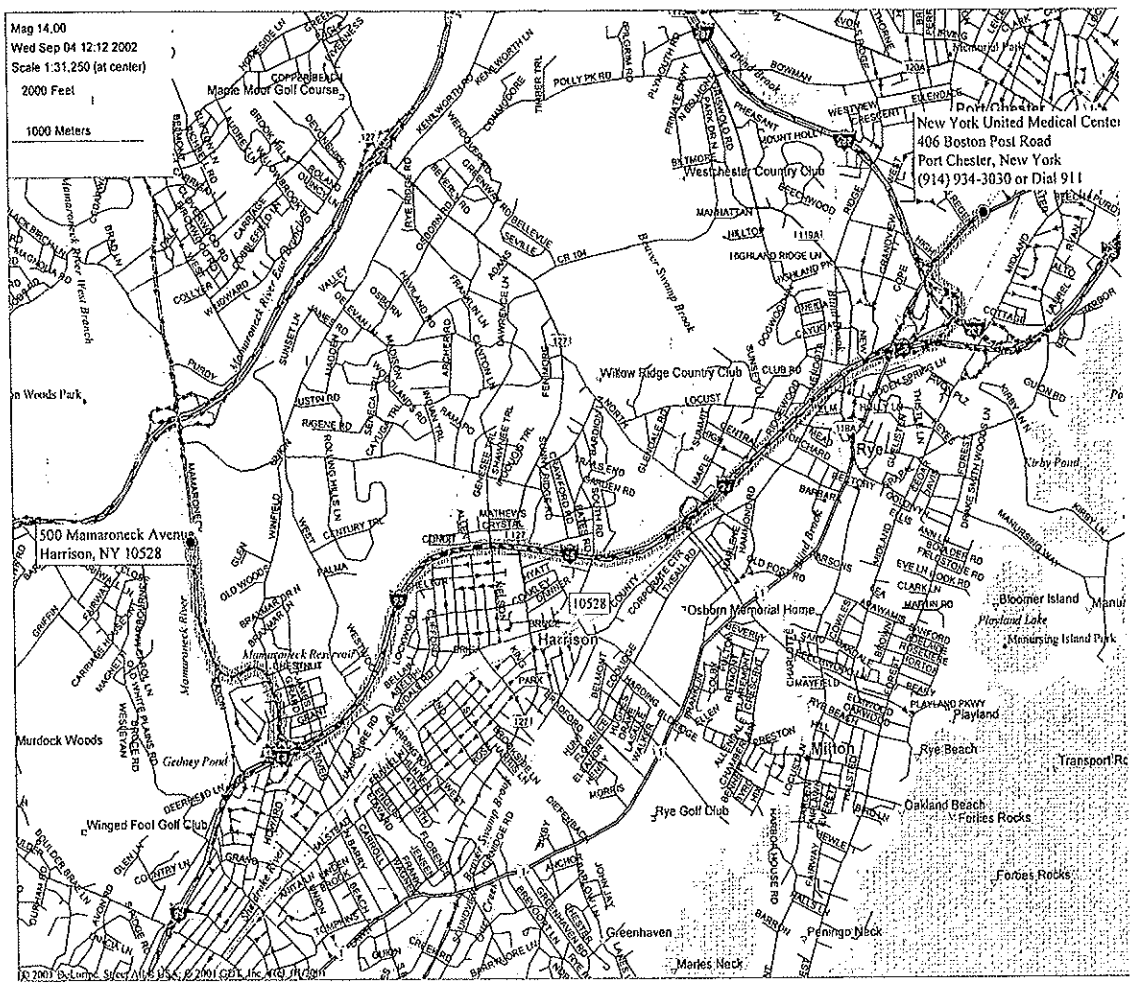
PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management			SCALE GRAPHIC	FIGURE 1-1
DRAWN: Y.S.	JOB NO.: X8101.00	FILE NAME: X810100025	DATE 10/08/02	

FIGURE 7-1
ROUTE TO HOSPITAL

New York United Hospital Medical Center - Emergency Room
406 Boston Post Road
Port Chester, NY 10573
(914) 934-3030 or Dial 911



DIRECTIONS:

Start - 500 Mamaroneck Road (Site)

Go 1.2 miles south on Mamaroneck Ave and turn left (NE) *Toll Road* I-95 N (New England Thruway)

Go 4.0 miles on I-95 N and exit on ramp to US 1 (Boston Post Rd/South Main St)

Go 0.5 miles on ramp and bear right (NE) US 1 (Boston Post Rd/South Main St)

Go 0.5 miles to Westchester County Hospital.

End Point (406 Boston Post Road, Port Chester, NY 10573)

TABLES

TABLE 1-1
EXPOSURE LIMITS AND PHYSICAL PROPERTIES OF COMPOUNDS OF POTENTIAL CONCERN

Compound	Exposure Limits	IDHL Level (1994)	Physical Description	Chemical Properties &	Physical Properties
Particulates					
Total PNOC, Particulate Not Otherwise Classified	PEL: 15 mg/m^3 REL: NA TLV: 10 mg/m^3	NA	Inhalable solid particulate suspended in air.	Median particle size is 100 micrometers.	
Respirable PNOC, Particulate Not Otherwise Classified	PEL: 5 mg/m^3 REL: NA TLV: 3 mg/m^3	NA	Respirable solid particulate suspended in air.	Median particle size is 4 micrometers.	NA
Copper (dusts and Mists)	PEL: 1mg/m^3 REL: 1mg/m^3 TVL: 1mg/m^3	100 mg/m^3	Reddish, lustrous, mallable, odorless solid	MW: 63.5 BP: 4702F SOL: Insoluble	NA
Lead	PEL: 0.05mg/m^3 REL: <0.1mg/m^3 TVL: 0.05mg/m^3	100 mg/m^3	A heavy, ductile, soft, gray solid.	MW: 207.2 BP: 3164F SOL: Insoluble	NA

TABLE 1-1
EXPOSURE LIMITS AND PHYSICAL PROPERTIES OF COMPOUNDS OF POTENTIAL CONCERN

Compound	Exposure Limits	IDHL Level (1994)	Physical Description	Chemical Properties &	Physical Properties
Zinc	PEL: 15 mg/m³ REL: 5mg/m3 TLV: 10 mg/m³	500 mg/m³	White odorless solid	MW: 81.4 BP: ? Sol: Insoluble	NA
Noise	AL= 85 dBA (50%) PEL = 90 dBA STEL: 115 dBA	140 dB unweighted	If employee noise exposures exceed a 50% 8-hour dose, then hearing protection should be required as well as all other elements of an HCP 1910.95.	NA	NA

Notes:
PEL - OSHA Permissible Exposure Limit, based on 1992 Transitional limits in 29 CFR 1910.100.
REL - NIOSH Recommended Exposure Limit
TLV - ACGIH Threshold Limit Value (Listed only when it is more restrictive than the PEL or REL)
ppm - parts per million
mg/m³ - milligrams per cubic meter
NA - Not Available

$$\text{Mixture TLV/PEL /STEL} = \frac{1}{F_1/TLV_1 + F_2/TLV_2 \ldots F_n/TLV_n}$$

where F=percent composition by weight

TLV=chemical specific

TABLE 1-2
PHYSICAL SAFETY CONCERNS

HAZARD	DESCRIPTION	LOCATION	PROCEDURES USED TO REDUCE HAZARD
Heavy equipment	Vehicles	Used throughout Site	Personnel maintain eye contact with operators; hard hats, safety shoes and safety glasses worn during equipment operation when required.
Existing Underground Utilities	Storm water, sewer, electrical, gas	Verify with area utilities.	Verify number and location of utilities prior to Site operations. Locate prior to subsequent excavation activities.
Water	Surface water	Throughout Site	At least two workers present; safety fencing and barricade tape.
Power lines	Aboveground	On-Site and off-Site.	Maintain at least 10 feet of total clearance for lines 50 KV or less. For lines over 50kv, the minimum clearance shall be 10 feet plus 4 inches for each 10kv. In transit, with the boom lowered, equipment clearance shall be 4 feet for voltages less than 50kv and for voltages from 50kv up to 345kv, the clearance shall be increased 4 inches for every 10kv over that voltage.
Noise	During Site activities	Throughout Site	Hearing protectors with proper noise reduction rating.
Temperature extremes	Hot weather activities. Cold weather activities.	Throughout Site	Protection as designated by Site Safety Officer.
Demolition	Potential pinch points	Throughout Site	Maintain adequate clearance between objects

TABLE 4-1
AIR MONITORING ACTION LEVELS

Compounds	Monitoring/Contaminant Source	Action Level (2)	Respiratory Protection(3)
I. Particulates			
Total Dust (including Metal Dusts)	General screening: real time particulate monitor Source: Onsite Soils	Background to 1.2 mg/m³ 1.2 mg/m³ to 250 mg/m³ >= 250 mg/m³ (Action Level=1.2 mg/m³)	D - None Required C - Full-Face with combination HEPA/OV cartridge Exit work zone
Respirable Dust (including Metal Dusts)	General screening: real time particulate monitor Source: Onsite Soils	Background to 1.2 mg/m³ 1.2 mg/m³ to 75 mg/m³ >=75 mg/m3 (Action Level=1.2 mg/m³)	D - None Required C - Full-Face with combination HEPA/OV cartridge Exit work zone

Notes:
mg/m³- milligrams per cubic meter

(1) The OV cartridges used must meet the requirements of 29 CFR 1910.134. In order to prevent potential overexposure within the respirator facepiece, new OV cartridges will be installed at the beginning of the shift. Combination cartridges will be used in order to satisfy the protection requirements of particulate matter.

(2) Action levels are based on 50% of the TLV or the most conservative applicable exposure limit (lead), whichever is more restrictive.

(3) Full-facepiece respirators have an APR of 50 X TLV.

Changes to the action levels (for particulates) and use of any personal protective equipment are allowed according to the professional discretion of the Site Health and Safety Officer based upon the nature of the field operations, observations, and their previous experience during other similar activities at other similar Site.

References:

American Conference of Governmental Industrial Hygienists, 1992-1993. Threshold Limit Values and Biological Exposure Indices for 1992-1993.

U.S. Department of Health and Human Services, 1990. NIOSH Pocket Guide to Chemical Hazards. June 1990.

Montgomery, John H., and Welkom, Linda M., 1990. Groundwater Chemicals Desk Reference.

Sax, N. Irving, 1984. Dangerous Properties of Industrial Materials

TABLE 7-1
EMERGENCY CONTACT/NOTIFICATION SYSTEM

Emergency Contacts	Name	Telephone
Site Owner, W&M Properties	Tom Durels	(203) 353-5220
New York United Hospital Medical Center Emergency Room		(914) 934-3030 or Dial 911
Police Department		911
Fire Department		911
Poison Information System		(800) 962-1253
National Response Center		(800) 424-8802
Center for Disease Control		(404) 488-4100

DIRECTIONS TO IMMEDIATE MEDICAL CARE CENTER (see Figure 7-1)

Go 1.2 miles south on Mamaroneck Ave and turn left (NE) *Toll Road* I-95 N (New England Thruway)
Go 4.0 miles on I-95 N and exit on ramp to US 1 (Boston Post Rd/South Main St)
Go 0.5 miles on ramp and bear right (NE) US 1 (Boston Post Rd/South Main St)
Go 0.5 miles to Westchester County Hospital.
End Point (406 Boston Post Road, Port Chester, NY 10573)

TABLE 7-2
REFERENCE OF COMMON SYMPTOMS

Type of Injury of Exposure	Symptom
Chemical Exposure, Ingestion or Inhalation	Symptoms of chemical exposure, ingestion or inhalation may include one or more of the following: Abnormal pulse Behavioral changes Breathing difficulties or abnormal breathing Changes in complexion or skin color Convulsions Coordination difficulties Coughing Dizziness or drowsiness Drooling Diarrhea Fatigue and/or weakness Irritation of eyes, nose, respiratory tract, skin, throat, mouth, or lips Headache Itching Light-headedness Nausea/vomiting Skin irritation or rash Sneezing Sweating Tearing Tightness in the chest Unconsciousness
Heat Stroke	Signs and symptoms of heat stroke are hot, red skin; very small pupils; and very high body temperatures-sometimes as high as 105 degrees. If the victim was sweating from heavy work or exercise, his or her skin may be wet; otherwise, it will feel dry.

TABLE 7-2
REFERENCE OF COMMON SYMPTOMS

Type of Injury of Exposure	Symptom
Heat Exhaustion	The usual signs and symptoms of heat exhaustion are cool, pale, and moist skin, heavy sweating; dilated pupils, headache, nausea; dizziness; and vomiting. Body temperature will be nearly normal.
Hypothermia	Signs and symptoms of hypothermia are: shivering; a decreased and sometimes irregular heart rate; a weak pulse; cool skins; decreased blood pressure; decreasing core temperature and slow, irregular breathing.
Frostbite	Signs and symptoms of frostbite area: a sensation of cold followed by numbness; tingling, stinging and aching may be felt initially. The skin may appear white, reddish-purple and finally black; blisters may also be present.

TABLE 7-3
BASIC FIRST AID PROCEDURES

Chemical Exposure: **Ingestion or inhalation**

1. Contact Emergency Services.
2. If possible move chemical hazards away from the area of the injured person or the injured person away from the area of chemical hazards and decontaminate.
3. If appropriate, remove PPE.
4. Await Emergency Services.

First Aid:

1. Be calm and quickly evaluate the emergency.
2. Contact Emergency Services.
3. Do not move the injured person unless necessary or instructed to do so.
4. If possible, move any physical and chemical hazards away from the area of the injured person.
5. Take care of the most serious injuries first - breathing must be restored, bleeding must be stopped, etc.
6. Cover injured person to keep warm and monitor for shock.

Heat Related Injuries: **Heat Stroke**

1. Contact Emergency Services.
2. Remove person from heat to cool location.
3. Lie victim on back.
4. Remove PPE and loosen up clothing.
5. Cool victim fast (i.e. immerse in cool bath, ice packs, wrap with wet sheets or towels).
6. Care for shock and monitor breathing.
7. Await Emergency Services.

Heat Related Injuries: **Heat Exhaustion**

1. Remove person from heat to cool location.
2. Lie victim on back with feet up.
3. Remove personal protection equipment and loosen up clothing.
4. Cool victim (i.e. fanning, ice packs, wrap with wet sheets or towels).
5. Care for shock and monitor breathing.
6. If conscious and can tolerate it, provide a half-glass of water every 15 minutes.
7. Should see improvements within 30 minutes. (If not, contact Emergency Services).

TABLE 7-3 (Continued)
BASIC FIRST AID PROCEDURES

Cold Related Injuries: **Hypothermia**

1. Contact Emergency Services.
2. Remove person from cold to warm location.
3. Remove any wet clothing.
4. Warm body slowly.
5. Care for shock and monitor breathing.
6. Await Emergency Services

Cold Related Injuries: **Frostbite**

1. Remove person from cold to warm location.
2. Remove PPE and clothing covering effected areas.
3. Place affected area in warm water to re-warm.
4. After re-warming, loosely bandage affected area.
5. Seek medical attention.

APPENDICES

APPENDIX A
Action Levels for Metals, PCBs, and PAHs Contained in Dust

Appendix A - Calculation Sheet
Action Levels for Metals, PCBs and PAHs Contained in Dust
Upgrade from Level D Respiratory Protection to Level C Respiratory Protection

Approach: There are no direct-reading monitors to determine the actual concentrations of metals, PCBs or PAHs that site workers may be exposed to in air during remedial work or general activities disturbing the soil. The metals, PCBs, and PAHs also are not volatile, therefore the primary exposure pathway would be respiratory inhalation of dust (airborne sand/soil) which contains concentrations of these metals, PCBs, and PAHs.

To provide adequate protection for exposure to airborne metals, PCBs, and PAHs in dust, dust action levels will be established to be protective of the metals, PCBs and PAHs. The action levels are established by 1) assuming that all soils contain the maximum known concentrations of the metals, PCBs, and PAHs of concern, and then 2) calculating applicable dust concentrations that would ensure that the contaminant concentrations are less than the OSHA PELs for those contaminants. The equation, and calculations for these contaminants are presented below.

Calculation Formulas:

$$\frac{[\text{Max. concentration of metal/PCB/PAH in soil (mg metal/kg soil)}] * [\text{Dust concentration in air (mg soil/m}^3\text{ of air)}]}{[1{,}000{,}000\text{ mg soil/kg soil}]}$$

= Metals/PCB/PAH in air (mg metal/m^3 of air)]

Rearrange and solve for "dust concentration in air", by assuming the metals/PAH concentration in air is the metal' OSHA PEL:

$$\frac{\text{OSHA PEL metal/PCB/PAH in air (mg/m}^3\text{ of air)}] * [10^6\text{ mg soil/kg soil}]}{[\text{Maximum concentration of metal/PCB/PAH in soil (mg metal/kg soil)}]} = [\text{Dust concentration in air (mg soil/m}^3\text{ of air)}]$$

Copper:

$$\frac{[1.0\text{ mg copper/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[1{,}600\text{ mg copper/kg soil}]} = [625\text{ mg soil/m}^3\text{ of air}]$$

Lead:

$$\frac{[0.05\text{ mg lead/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[20{,}600\text{ mg lead/kg soil}]} = [2.43\text{ mg soil/m}^3\text{ of air}]$$

Zinc:

$$\frac{[15.0\text{ mg zinc/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[4{,}810\text{ mg zinc/kg soil}]} = [3{,}119\text{ mg soil/m}^3\text{ of air}]$$

Arsenic:

$$\frac{[0.01\text{ mg arsenic/m}^3\text{ of air)}] * [1{,}000{,}000\text{ mg soil/kg soil}]}{[38.2\text{ mg arsenic/kg soil}]} = [262\text{ mg soil/m}^3\text{ of air}]$$

Cadmium:

[0.005 mg cadmium/m^3 of air)] * [1,000,000 mg soil/kg soil] = [128 mg soil/m^3 of air]
[39 mg cadmium/kg soil]

Chromium:

[0.5 mg chromium/m^3 of air)] * [1,000,000 mg soil/kg soil] = [3,846 mg soil/m^3 of air]
[130 mg chromium/kg soil]

Magnesium:

[5 mg magnesium/m^3 of air)] * [1,000,000 mg soil/kg soil] = [227 mg soil/m^3 of air]
[22,000 mg magnesium/kg soil]

Mercury:

[0.1 mg mercury/m^3 of air)] * [1,000,000 mg soil/kg soil] = [1,550 mg soil/m^3 of air]
[64.5 mg mercury/kg soil]

Nickel:

[1 mg nickel/m^3 of air)] * [1,000,000 mg soil/kg soil] = [7,692 mg soil/m^3 of air]
[130 mg nickel/kg soil]

Polychlorinated Biphenyls:

[0.5 mg PCBs/m^3 of air)] * [1,000,000 mg soil/kg soil] = [119,000 mg soil/m^3 of air]
[4.2 mg PCBs/kg soil]

PAH[1]:

[0.2 mg coal tar pitch volatiles/m^3 of air)] * [1,000,000 mg soil/kg soil] = [71.8 mg soil/m^3 of air]
[2,784 mg total PAH in B-41/kg soil]

[1] Calculation utilizes the highest total combined PAH concentration detected in soil (sample B-41, 5') and the most restrictive airborne limit for those PAHs (0.2 mg/m^3 for coal tar pitch volatiles including benzene, anthracene, phenanthrene, acridine, and chrysene, pyrene) to determine the worst-case exposure and thus the lowest exposure limit for PAHs.

These calculations show that a typical soil/dust action level of 5.0 mg/m^3 for total dust, and 1.5 mg/m^3 for total and respirable dust would be protective of exposures to PCBs, PAHs, and metals except for lead. Lead exposure should not be higher than 2.43 mg/m^3 for total dust. Therefore, a total dust action level of 2.4 mg/m^3 and respirable dust action level of 1.2 mg/m^3 could be followed to be protective of all metals (including lead), PCBs, and PAHs. For simplicity of monitoring, a not-to-exceed, total dust level of 1.2 mg/m^3 will be the observed action level.

APPENDIX B
Exhibits

EXHIBIT 1

HEALTH AND SAFETY PLAN REVIEW RECORD

I have read the remediation Health and Safety Plan for the 500 Mamaroneck Avenue Site and have been briefed on the nature, level, and degree of exposure likely as a result of participation in this Project. I agree to conform to all the requirements of the Health and Safety Plan.

_____

Employee Signature

_____ _____

Name Date

_____

Project Manager Signature

_____ _____

Name Date

EXHIBIT 2

DAILY SITE SAFETY LOG

Site: 500 Mamaroneck Avenue Site

Project: Operable Units 1 & 2

Time on: _____ **Time off:** _____

Weather/Temperature: _____

_____

Wind Direction: _____

Site Safety Talk: Yes_____ No_____

Topics: _____

_____

_____

_____

Daily Safety Inspection:

Time:_____Initials:_____Time:_____Initials:_____

Comments:_____

Instrument Calibration:

Instrument	Time	Calibration	Calibration Conc.	Actual Conc.
_____	___	_____	_____	_____
_____	___	_____	_____	_____
_____	___	_____	_____	_____

Comments:_____

Personal Protective Equipment: Universal Equipment - hard hat, safety glasses and work boots.

Task 1:	Task 2:	Task 3:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Date:_____

Air Monitoring:

		Concentration		
Time/Location:	Inst:	Settings:	Inst:	Settings:
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Comments (including upgrade, non-compliance, etc.):

_____

_____

_____

Site Safety Officer:_____Signature:_____Date:_____

EXHIBIT 3

EMPLOYER OCCUPATIONAL HEALTH AND SAFETY

CERTIFICATION

Project: 500 Mamaroneck Avenue Site

Contractor: _____

1. Contractor certifies that the following personnel to be employed during on-Site remediation activities have met the following requirements of the OSHA Hazardous Waste Operations Standard (29 CFR 1910.120) and other applicable OSHA standards. (Indicate date below.)

Contractor Personnel	Medical Examination	Training Certification	Respirator
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

2. Contractor certifies that it has received a copy of the Health and Safety Plan and will ensure that its employees are informed and will comply with its requirements.

3. Contractor further certifies that is has read and understands and will comply with all provisions of its contractual agreement with ERM .

Signed: _____

Date: _____

EXHIBIT 4

TRAINING ACKNOWLEDGMENT FORM

NAME: _____

SOCIAL SECURITY: _____

EMPLOYER: _____

I have completed the required training for work to be conducted at the 500 Mamaroneck Avenue Site, including the following topics:

a. Work Rules and Safety Requirements;
b. Personal Protection Equipment;
c. Potentially Hazardous Chemicals;
d. Emergency Equipment;
e. Reporting Injuries and Illnesses;
f. Emergency Procedures;
g. Job Assignments;
h. Personal Hygiene;
i. Medical Tests;
j. Motor Tests; and
k. Standard Operating Procedures.

I further confirm that a respirator fit test was conducted within the past year and that I have been issued a respirator of the same type.

Employee:

Signature:_____ Date:_____

I certify that this employee has received adequate safety training and understands the requirements of the Health and Safety Plan.

Site Health and Safety Officer:

Signature:_____ Date:_____

EXHIBIT 5

SITE SIGN-IN SHEET

Site: *500 Mamaroneck Avenue Site* Date:_____

Employee	Company	Signature In	Time In	Signature Out	Time Out

Francis, Skylar

From: noreply@its.ny.gov
Sent: Monday, March 28, 2022 1:32 PM
To: Francis, Skylar
Subject: FOIL Request Confirmation from Open FOIL NY

[Caution] External Origin. Do not click links/open attachments unless you know the content is safe.

Thank you for submitting your FOIL request through Open FOIL NY.

Here is your Open FOIL NY confirmation information for future reference:

FRANCIS_DOH_20220328133132571

FRANCIS_DEC_20220328133132571

INFORMATION SUBMITTED:

Records Requested From	Department of Health Department of Environmental Conservation
Short Title	500 Mamaroneck Ave
Description	Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Avenue Town of Harrison, Westchester County, New York 10528 Owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.-8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require. Please let us know if

	you can accommodate this request in an expedient manner. Please email if you have any questions. Very truly yours, Bergmann SKYLAR J. FRANCIS Assistant Project Manager sfrancis@bergmannpc.com
Uploaded Files	
FOIL Response Format	Email
If fees apply, please contact me if costs will be greater than	$10

Your FOIL request has been forwarded to the organization(s) you selected, and the respective Records Access Officer will contact you directly for further processing of your request. Please allow up to five business days for such communication(s). For your convenience, here is additional contact information:

Department of Health
Corning Tower
Room 2364
Albany, NY 12237-0044

Department of Environmental Conservation
625 Broadway

Albany, NY 12233-1500

NEW YORK STATE OF OPPORTUNITY. Department of Health

KATHY HOCHUL
Governor

MARY T. BASSETT, M.D., M.P.H.
Commissioner

KRISTIN M. PROUD
Acting Executive Deputy Commissioner

March 28, 2022

Skylar Francis
Bergmann
280 East Broad Street
Rochester, NY 14604

FOIL #: 22-03-428
Re: 500-520 Mamaroneck Avenue, Harrison,
Westchester County, New York

Dear Skylar Francis:

This will acknowledge receipt of your request for records under the Freedom of Information Law (FOIL), received by this office on March 28, 2022.

Your request has been forwarded to the appropriate Department program area(s) to identify documents that are responsive to your request and which may be made available pursuant to all applicable provisions of the Freedom of Information Law.

A determination as to whether your request is granted or denied will be reached in approximately 20 business days or we will notify you in writing if the responsible program area(s) should require additional time to locate, assemble, and review documents that may be responsive to your request.

Please note that, pursuant to Article 6 of the Public Officers Law, a charge may be applied to your request, including the actual cost of the medium used to respond to your Freedom of Information Law request and/or other related costs. When responsive records have been identified, you will be informed of any cost and how payment should be made.

Sincerely,

Rosemarie Hewig, Esq.
Records Access Officer

NEW YORK STATE OF OPPORTUNITY. Department of Health

KATHY HOCHUL
Governor

MARY T. BASSETT, M.D., M.P.H.
Commissioner

KRISTIN M. PROUD
Acting Executive Deputy Commissioner

April 27, 2022

Skylar Francis
Bergmann
280 East Broad Street
Rochester, NY 14604

FOIL #: 22-03-428

Dear Skylar Francis:

This letter responds to your Freedom of Information Law (FOIL) request of March 28, 2022, in which you requested environmental records pertaining to "500-520 Mamaroneck Avenue Town of Harrison, Westchester County, New York 10528."

I have enclosed documents responsive to your request. Certain documents have been withheld pursuant to New York State Public Officers Law §87(2)(g), as "inter-agency or intra-agency materials."

Please also note that the address is served by the Westchester Joint Water Works public water system (NY5903435). Any violation reports for the public water system can be found at the following link:

www.health.ny.gov/environmental/water/drinking/violations/previous_compliance_reports.htm

Furthermore, this location has been identified as a remediated site. Records of the type you have requested may also be maintained by the New York State Department of Environmental Conservation. The contact information for this office is as follows:

Records Access Officer
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-1500
Phone: (518) 402-9522
Fax: (518) 402-9018
Email: access.records@dec.ny.gov

Should you feel that you have been unlawfully denied access to records, you may appeal such denial in writing within 30 days to the Records Access Appeals Officer, Division of Legal Affairs, Empire State Plaza, 2438 Corning Tower, Albany, New York 12237-0026.

If you require additional information or wish to discuss this matter further, please do not hesitate to contact me at (518) 474-8734.

Sincerely,

Rosemarie Hewig

Rosemarie Hewig, Esq.
Records Access Officer

RH/ysd

CONECO
Engineers & Scientists

RECEIVED
FEB 06
Remedial Bureau C
Div of Environmental Remediation

LETTER OF TRANSMITTAL

To: **New York Department Environ. Conservation**
David Crosby, Project Manager
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

DATE: February 3, 2014	**JOB NO.: C1525**
ATT: David Crosby	
RE: 500 Mamaroneck Ave, Harrison, NY	

We Are Sending You:

- [X] Attached
- [ ] Under Separate Cover via:
- [ ] Prints
- [ ] Plans
- [ ] Samples
- [ ] Specifications
- [ ] Copy of Letter
- [ ] Change Order
- [ ] Shop Drawings
- [ ] Other (explain):

Copies	Date	No.	Description
1	**Jan. 31, 2014**	**C1525**	**Periodic Review Report, VCP Site No. V00213** **500 Mamaroneck Avenue, Harrison, NY**

These Are Transmitted (as checked below):

- [ ] For Approval
- [ ] Approved
- [ ] Resubmit
- ____ Copies for Approval
- [ ] For Your Use
- [ ] Approved as Corrected
- [ ] Submit
- ____ Copies for Distribution
- [X] As Requested
- [ ] Revise & Resubmit
- [ ] Return
- ____ Corrected Prints
- [ ] For Review & Comment
- [ ] Returned After Loan to Us
- [ ] For Bids Due
- _____

Remarks:

Copy To: File

Signed: _____
Michael C. Feldman Principal/Senior Engineer

CONECO
Engineers & Scientists

January 31, 2014
CONECO Project No. C1525

New York State Department of Environmental Conservation
David Crosby, Project Manager
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway
Albany, New York 12233-1500

RECEIVED
Remedial Bureau C
Div. of Environmental Remediation

Re: **Periodic Review Report**
Agreement Index No. W3-0851-99-05
VCP Site No. V00213
Commercial Property: 500 Mamaroneck Avenue, Harrison, NY

David Crosby:

On behalf of Empire State Realty Trust (ESRT), Coneco Engineers & Scientists (CONECO) is please to submit this **Periodic Review Report** for the property located at 500 Mamaroneck Avenue in Harrison, New York, hereinafter referred to as the "Site".

In accordance with the terms of the Voluntary Agreement, Attachment C, entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates (the "Volunteer") now identified as Empire State Realty Trust (ESRT), and as part of the Site Remedy the NYDEC requires that sites in active State Management (SM) require the submittal of a Periodic Progress Report which includes an inspection and certification be provided, stating that the Site engineering controls are in place and effective.

The Site Remedy contained in the Remedial Action Plan Final Report (Report) prepared by Environmental Resources Management dated January 2005, and submitted to the NYDEC and approved by the NYDEC, consists of institutional and engineering controls. The engineering controls consist of the existing asphalt parking lots and landscaping and vegetative cover over the "southern berm" and the "northwest section." The engineering controls, specifically the existing asphalt pavement, acts as a protective barriers to ensure no direct exposure to residual lead and polyaromatic hydrocarbons (PAHs) in the historical underlying fill material associated with the formed Harrison Incinerator, which operated at the Site from approximately 1954 to 1980.

The Site Management Plan of the Report includes a Soil Management Plan, which ensures that engineering controls including the existing asphalt paved parking lots and vegetative cover are in place, maintained and effective in preventing direct contact by workers and/or occupants of the Site building, with the historical impacted fill material located beneath the asphalt pavement and vegetative areas designated in the Remedial Action Plan.

SITE DESCRIPTION:

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000-feet south of Union Avenue in Harrison, Westchester County, New York. The approximately 34.5-acre Site, roughly rectangular in shape, is improved with a five-story office building, and has

approximately 985-feet of frontage along Mamaroneck Avenue. A Site Locus Plan and Site Plan are attached as Figure 1 and Figure 2, respectively.

Approximately 14-acres of the Site have been improved with an office building having a footprint of 1.5-acres, 9-acres of bituminous asphalt paved parking areas (north and south of the Site structure), and an undeveloped portion of the Site to the east which serves as a "buffer area" for adjacent residential properties. The Site is services by municipal water and sewer.

PERIODIC INSPECTION:

CONECO completed the Site inspection of the entire Site on December 29, 2013. CONECO's inspection included all exterior portions of the Site. Weather conditions on the day of the inspection were cloudy with temperatures in the 40s. The Site was traversed on foot to identify any evidence of deterioration of the existing ***engineering controls*** including the entire asphalt paved parking lots and driveways, landscaped areas throughout the Site, and the "Southern Berm". Site photographs of the ***engineering controls*** at the Site are included as Attachment B.

In addition to the December 29, 2013 Periodic Inspection of the Site, daily inspections of the engineering controls are performed by the Site Building Engineer and his staff, to ensure that engineering controls are operating as designed. These daily inspections are performed by ESRT Building Engineer Norbert Ostaszewski. In the event that an engineering control deficiency is identified during the daily inspections, the deficiency is reported and immediately resolved.

Since 2009, the only engineering control deficiencies have included minor cracks or deterioration of the asphalt paved surfaces. ESRT renews an annual contract with an asphalt paving company, AIKLER Asphalt Pavement Company, Inc. of the Bronx, New York for the repair of the asphalt paved surfaces.

Asphalt Pavement

Observed Problem Areas:

During the December 29, 2013 inspection, three (3) deficient areas were identified in the northern portion of the Site asphalt paved parking lot. Photographs of the deficiencies are provided in the Site Photographs, Attachment B.

Area 1: At the southeast corner of the southern parking lot, CONECO observed an area approximately 10-feet long and 18-inches wide where the top layer of asphalt has deteriorated. The base course of asphalt in this area is intact acting as a protective barrier to ensure no direct exposure to underlying fill material. Corrective Action to this area will be performed in the Spring of 2014, by replacing the top course of asphalt pavement.

Area 2: At the south end of Parking Lane 6, located on the south side of the Site building, CONECO observed an approximately 3-foot diameter deteriorated section of the asphalt paved parking lot. The top course of asphalt is in pieces and some has washed away. The base course of asphalt in this area is intact acting as a protective barrier to ensure no direct exposure to underlying fill material. Corrective Action to this area will be performed in the Spring of 2014, by replacing the top course of asphalt pavement

Area 3: At the middle of Parking Lane 1, located on the south side of the Site building, CONECO observed an approximately 2-foot diameter depression in the asphalt. This area has been patched to prevent further deterioration. The asphalt in the depression is intact acting as a protective barrier to ensure no direct exposure to underlying fill material.

Corrective Action to this area will be performed in the Spring of 2014, by filling the depression, approximately 3-inches deep, and replacing the asphalt pavement.

Small cracks in the driveway areas, both north and south sides, and throughout the Site parking lots were observed to have been sealed, evidence of routine inspection and repair. No open cracks were observed on any portion of the Site paved parking lot during the Periodic Inspection performed by CONECO on December 29, 2013.

Corrective Action:

Corrective Action will be performed on the three (3) above identified areas, **(Area 1, Area 2, and Area 3)** in the Spring of 2014, by replacing the top course of asphalt pavement. No other Corrective action is recommended at this time.

Landscaped Areas

Observed Problem Areas:

No problem areas and/or deficiencies were observed in the **landscaped areas** across the entire Site during the December 29, 2013 Periodic Inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

Vegetative Slopes along Southern Berm

Observed Problem Areas:

No problem areas and/or deficiencies were observed along both the north and south side of the **Southern Berm** during the December 29, 2013 Periodic Inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

It is CONECO Engineers and Scientists (CONECO) opinion that the Site Engineering Controls for the Site, 500 Mamaroneck Avenue, NYDEC Site No. V00213 are in place and effective.

The Institutional &Engineering Controls Certification Form for the Site is attached to this report as Attachment A.

The Remedy Inspection Form for the Site completed on December 29, 2013 is attached to this report as Attachment B.

If you have any questions or require additional information, please contact the undersigned at (860) 659-8558.

Sincerely,
Coneco Engineers & Scientists

Michael C. Feldman
Principal/Senior Engineer

Cc: Patrick Philbin, W&M Properties, Inc., Property Manager.

FIGURES:

Figure 1-1: Site Locus Plan

Figure 1-2: Site Plan

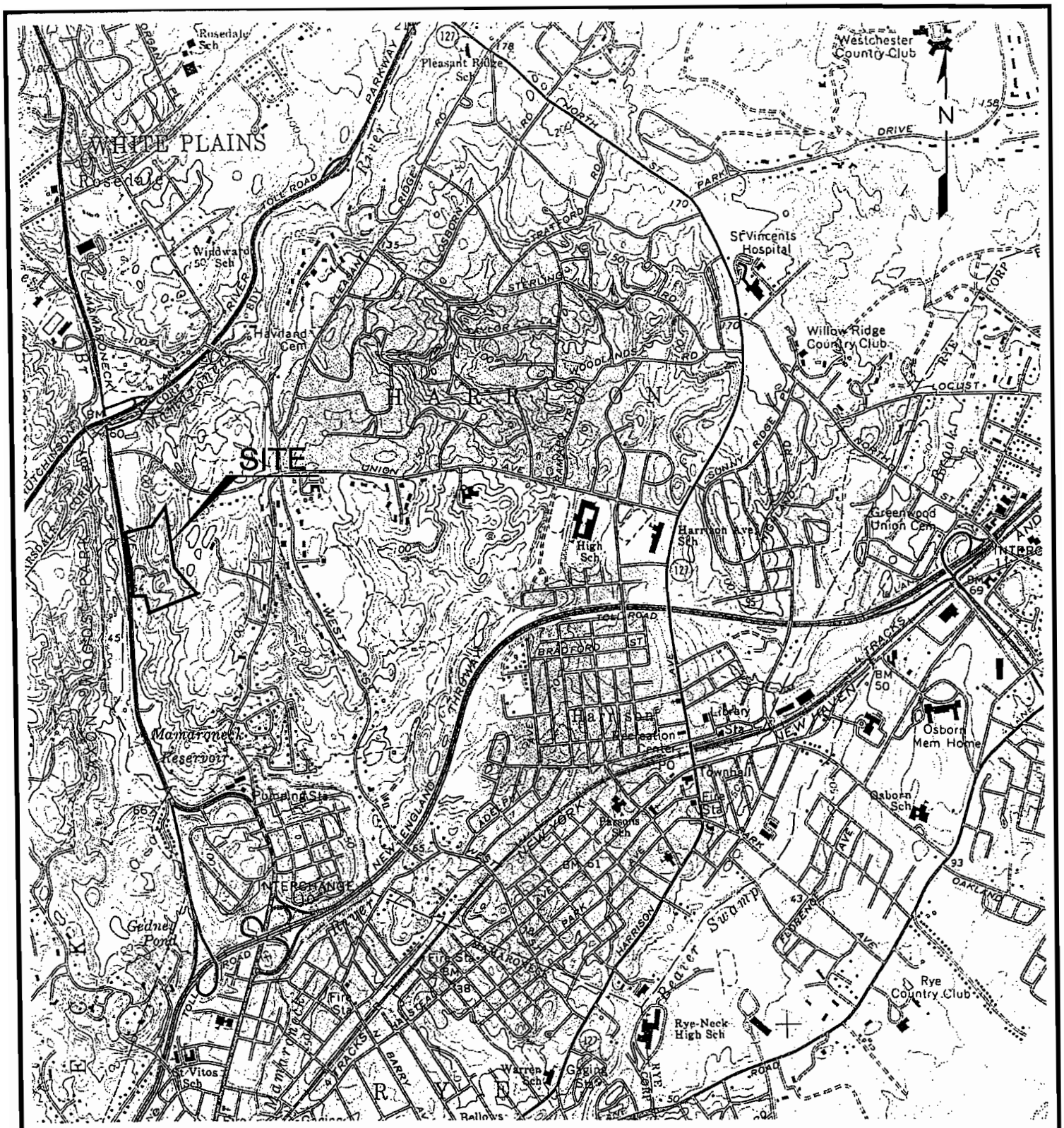
ATTACHMENTS:

Attachment A: Institutional &Engineering Controls Certification Form **Tab 1**

Attachment B: Remedy Inspection Form ..... **Tab 2**

Attachment C: Site Photographs ..... **Tab 3**

FIGURES



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.-CONNECTICUT, 1967

TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

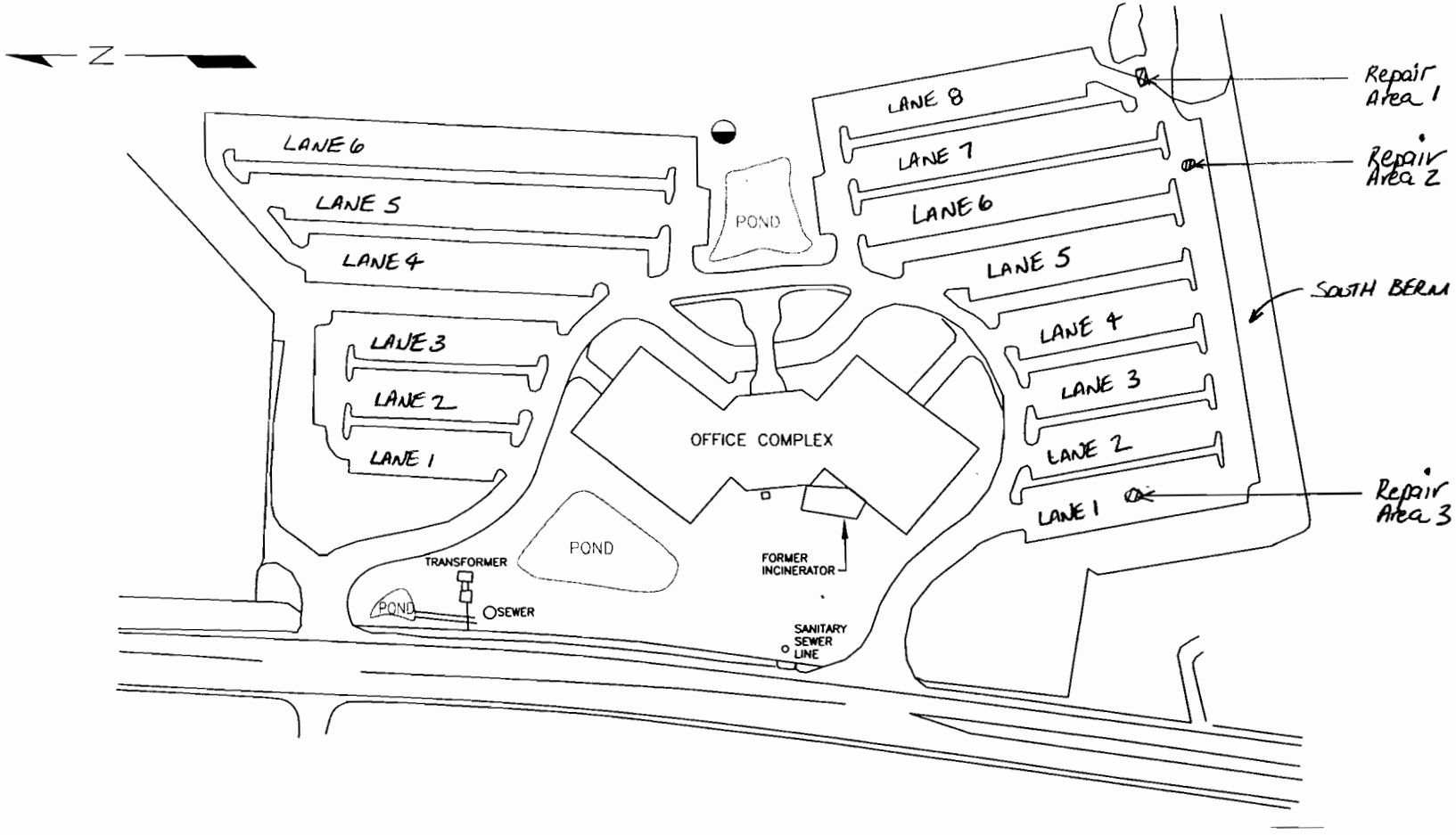
PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	1-1

DRAWN:	JOB NO.:	FILE NAME:	DATE
Y.S.	X8101.00	X810100025	10/08/02



TITLE

SITE PLAN
500 Mamaroneck Avenue

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM
Environmental Resource Management

DRAWN G.G.	JOB NO. X8101.00.01	FILE NAME: 14540003	SCALE 1"=120'	FIGURE 2
			DATE 11/1/99	

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00213

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: September 15, 2007 to November 04, 2013

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☑
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

2/3/14
Date

SITE NO. V00213 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	Cover System
482-8-26.1	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

   YES ☑ NO ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

   YES ☑ NO ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Patrick Jerry Phillips
Signature of Owner, Remedial Party or Designated Representative

2/3/14
Date

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Patrick George Philbin (print name) at Empire State Realty Trust SO:MAMARONECK, LLC (print business address) One Station Place, Stamford, CT 06901

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

Date 2/3/14

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at Conesco Engineers & Scientists Corp.
print name print business address
90 National Drive, Glastonbury, CT 06033
am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

Michael C. Feldman
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

1/29/2014
Date

REMEDY INSPECTION FORM

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: December 24, 2013

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☑	☐
Is there any surface water ponding on the asphalt cover?	☐	☑	☐
Is there any evidence of settlement?	☑	☐	☑

Specify Correction Actions Needed:
Three areas identified, Area 1: southeast corner of south parking lot. 10'x10' area. Area 2: south end of parking lane # 6 3'ø area. Both Area 1 & 2 top layer of asphalt deteriorated, needs to be replaced. Base layer of asphalt intact, preventing exposure to fill beneath. Area 3: Parking Lane 1, south side of site building. 1'ø depression 4".

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
Landscaped Areas very good condition

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
vegetative slope in very good condition.

cc: Managing Office

Attach a copy of Figure 1-1

MICHAEL C. FELDMAN
CONTECH ENGINEERS + SCIENTISTS
12/24/13

SITE PHOTOGRAPHS

Southeast corner of parking lot, top layer pealing (10-feet by 18-inches), base layer intact, to be repaired in Spring 2014.

Southern Berm area in very good condition, no erosion observed.

Parking Lane 8, southern upper parking lane observed to be in very good condition.

View looking west along southern edge of asphalt parking lot. One area to be repaired see next page, no other cracks or erosion observed.

3-foot diameter repair area at south end Parking Lane 6, south side building, to be repaired in Spring 2014. Base layer intact.

Parking Lane 3, south side building, in very good condition no repairs.

Southwestern Berm in very good condition, no repairs.

Parking Lane 2, south side building, very good condition no repairs.

Parking Lane 1, south side of building, very good condition with one repair see below.

Parking Lane 1, south side building, approximately 2-foot diameter sink-hole, base layer intact, repair in Spring 2014.

Southeastern Berm, very good condition, no erosion.

Southwestern corner of Site, very good condition no repairs.

Driveway along south side of building, very good condition.

Pond area, very good condition no erosion.

Parking Lane 6, north side of building, very good condition.

Parking Lane 5, north side of building, very good condition.

Parking Lane 4, north side of building, very good condition.

Parking Lane 3, north side of building, very good condition.

Driveway on north side of building, very good condition.

Landscaped area west of building, very good condition, no erosion.

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

March 28, 2022

Harrison Fire Department
206 Harrison Avenue
Harrison, NY 10528

Re: Freedom of Information Request

Dear Chief Ralph Straface:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

500-520 Mamaroneck Avenue
Town of Harrison, Westchester County, New York
Owner: ESRT 500 Mamaroneck
Tax Parcel ID: 552801 0482.-8

This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs).

We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

March 25, 2022

Town Clerk
Town of Harrison
1 Heineman Pl.
Harrison, NY 10528

Re: Freedom of Information Request

Dear Jackie Geer:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

500-520 Mamaroneck Avenue
Town of Harrison, Westchester County, New York
Owner: ESRT 500 Mamaroneck
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We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

1/08 **FREEDOM OF INFORMATION LAW (FOIL) REQUEST** **No. _____**

Fax No: 914-835-2009

TO: **TOWN/VILLAGE OF HARRISON - Town Clerk**

NAME: Skylar Francis **(Print)** **TELEPHONE:** 845-401-4688

ADDRESS: 280 East Broad Street, Suite 200, Rochester, NY

E-MAIL ADDRESS: sfrancis@bergmannpc.com

I hereby request to examine the following records and to have copies made, if needed, after examination:
Description of Record:

Please see the attachment for the official FOIL request

FROM: _____ **Law** X **Building** _____ **Comptroller** X **Assessor**

_____ **Town Clerk** _____ **Planning** _____ **Tax** _____ **Engineering**

_____ **Public Works** X **Zoning** _____ **Other (specify)** Environmental

Relating to: BLOCK_____ **LOT(S)** _____ **PROPERTY ADDRESS:** 500 Mamaroneck Ave

PHOTO COPIES OF DOCUMENTS COST $.25 PER PAGE. COST FOR REPRODUCTIONS OF PLANS WILL VARY.

I X **/ want to have copies of the records made and agree to pay for them.** **FEE: $** 5.00

I _____ **/ do not want to have copies of the records made.**

Date: 3/25/2022 **Signature:** Skylar Francis

WARNING: **Examination of these records is covered by New York State Penalty Law.**

§175.20 Tampering with Public Records in the 2nd Degree is a Class A Misdemeanor
§175.24 Tampering with Public Records in the 1st Degree is a Class D Felony

Received by Town Clerk_____ **L/D**_____
Pursuant to Public Officers Law Article 6

Your request will be reviewed. Within five business days of the receipt of your request for a record reasonably described, the Town will either make such record available, deny the request in writing, or furnish a statement of the approximate date when such request will be granted or denied.

If copies are requested, they will be made available after payment of the appropriate fee.

For official use only
Called: _____
Called: _____
Called: _____

Frank P. Allegretti, Town Attorney

1/08 **FREEDOM OF INFORMATION LAW (FOIL) REQUEST** **No.** 236-22

Fax No: 914-835-2009

TO: **TOWN/VILLAGE OF HARRISON - Town Clerk**

NAME: Skylar Francis (Print) **TELEPHONE:** 845-401-4688

ADDRESS: 280 East Broad Street, Suite 200, Rochester, NY

E-MAIL ADDRESS: sfrancis@bergmannpc.com

I hereby request to examine the following records and to have copies made, if needed, after examination:
Description of Record:

Please see the attachment for the official FOIL request 4/7/22

FROM: ____ Law ~~X~~ Building ____ Comptroller X Assessor

____ Town Clerk ____ Planning ____ Tax ____ Engineering

____ Public Works X Zoning ____ Other (specify) Environmental

Relating to: BLOCK____ **LOT(S)** ____ **PROPERTY ADDRESS:** 500 Mamaroneck Ave

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§175.24 Tampering with Public Records in the 1st Degree is a Class D Felony

RECEIVED 2022 APR 5 P 3:14

Received by Town Clerk Jacqueline Greer **L/D** 4/5/22
Pursuant to Public Officers Law Article 6

Your request will be reviewed. Within five business days of the receipt of your request for a record reasonably described, the Town will either make such record available, deny the request in writing, or furnish a statement of the approximate date when such request will be granted or denied.

If copies are requested, they will be made available after payment of the appropriate fee.

For official use only
Called: ____
Called: ____

Frank P. Allegretti, Town Attorney

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

March 25, 2022

Town Clerk
Town of Harrison
1 Heineman Pl.
Harrison, NY 10528

Re: Freedom of Information Request

Dear Jackie Geer:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

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We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

Skylar Francis

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

FOIL DETERMINATION

Name: Francis, Skylar Number: 236-22 Date: 4 / 7 /2022
After review, your attached Freedom of Information Law (FOIL) request has been:

✓ / Granted (*provided the record is found to exist*)
The documents will be available to you within 30 days or on approximately _____
_____/ The request for building plans is approved based upon the FOIL AO 9056 (9/11/95) *provided that* the drawings do not show any references to alarms or security systems or other security features.

____/ Denied

____/ (a) specifically exempted from disclosure by state or federal statute;
____/ (b) unwarranted invasion of personal privacy;
____/ (c) impair present or imminent contract awards or collective bargaining negotiations;
____/ (d) trade secrets or submitted by a commercial enterprise or derived from information obtained from a commercial enterprise and which would cause substantial injury to the competitive position of the subject enterprise;
____/ (e) compiled for law enforcement purposes and would: i. interfere with law enforcement investigations or judicial proceedings; ii. deprive a person of a right to a fair trial or impartial adjudication; iii. identify a confidential source or disclose confidential information relating to a criminal investigation; or iv. reveal criminal investigative techniques or procedures;
____/ (f) would endanger the life or safety of any person;
____/ (g) inter-agency or intra-agency materials which are not: i. statistical or factual tabulations or data; ii. instructions to staff that affect the public; iii. final agency policy or determinations; external audits;
____/ (h) examination questions or answers requested prior to the final administration of such questions;
____/ (i) would jeopardize the capacity to guaranty the security of information technology assets.
____/ (j) photographs or video images prepared pursuant to §1111-a of Vehicle & Traffic Law.

____/ The matter requested could not be found, is not a "record" as defined in Public Officers Law §86, or does not exist. Public Officers Law §96 does not require the Town or Village to prepare any record not possessed or maintained by it. FOIL requires production of records, not answers to questions.

____/ Please provide more specificity as to what record you are seeking. The description was insufficient for purposes of locating and identifying the documents sought. See, *Konigsberg v. Coughlin*, 68 NY 2d 245, 249 (1986). The records requested are not maintained in a manner that permits their retrieval except by reviewing numerous of records individually in an effort to locate those falling within the scope of the request.

NOTICE: YOU HAVE A RIGHT TO APPEAL A DENIAL OF THIS APPLICATION. THE APPEALS OFFICER MUST DECIDE THE APPEAL, IN WRITING, SEVEN (7) DAYS AFTER RECEIPT OF APPEAL:

Jonathan D. Kraut, Appeals Officer
Alfred J. Sulla, Jr. Municipal Building
1 Heineman Place
Harrison, New York 10528

I HEREBY APPEAL:

Date: _____ Signature _____

Re: new 236-22
Suzanne Fuller to: Diana Minishi 04/07/2022 03:33 PM

No such records for this property exist.

Best Regards,

Suzanne Fuller
Sr. Office Assistant - Office Manager
Town/Village of Harrison
Building Department
1 Heineman Place
Harrison, NY 10528
(914)670-3056 Phone
(914)835-7491 Fax
https://www.harrison-ny.gov/building-department
https://buildingdepartment.appointlet.com/

Our online portal is now live

Visit https://etrakit.townharrison.org/etrakit/default.aspx (or access from https://www.harrison-ny.gov/building-department)

PUBLIC access is available (no log-in required) to search for information on a property. Zone, Block, Lot, Acreage, Restrictions etc.

CONTRACTORS/DESIGN PROFESSIONALS can see all permits linked to your name. You must have an email address associated with your record.

Diana Minishi Diana Minishi Senior Clerk 04/07/2022 03:28:01 PM

From: Diana Minishi/Town Of Harrison
To: Suzanne Fuller/Town Of Harrison@Town Of Harrison, Rosemarie Cusumano/Town Of Harrison@Town Of Harrison, Jessica Grutteria/Town Of Harrison@Town Of Harrison,
Date: 04/07/2022 03:28 PM
Subject: new 236-22

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov
----- Forwarded by Diana Minishi/Town Of Harrison on 04/07/2022 03:29 PM -----

From: TownClerk@harrison-ny.gov
To: dminishi@harrison-ny.gov,
Date: 04/07/2022 03:26 PM
Subject: Message from KM_C554e

[attachment "SKM_C554e22040716200.pdf" deleted by Suzanne Fuller/Town Of Harrison]

Re: new 236-22
Rosemarie Cusumano to: Diana Minishi 04/07/2022 04:02 PM

Diana,

Zoning Board has no information for this FOIL

Regards,

Rosemarie Cusumano
Planning Zoning & ARB
phone - 914-670-3077
fax - 914-220-6193
e-mail - rcusumano@harrison-ny.gov

Diana Minishi Diana Minishi Senior Clerk 04/07/2022 03:28:02 PM

From: Diana Minishi/Town Of Harrison
To: Suzanne Fuller/Town Of Harrison@Town Of Harrison, Rosemarie Cusumano/Town Of Harrison@Town Of Harrison, Jessica Grutteria/Town Of Harrison@Town Of Harrison,
Date: 04/07/2022 03:28 PM
Subject: new 236-22

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov
----- Forwarded by Diana Minishi/Town Of Harrison on 04/07/2022 03:29 PM -----

From: TownClerk@harrison-ny.gov
To: dminishi@harrison-ny.gov,
Date: 04/07/2022 03:26 PM
Subject: Message from KM_C554e

[attachment "SKM_C554e22040716200.pdf" deleted by Rosemarie Cusumano/Town Of Harrison]

Re: new 236-22

Jessica Grutteria to: Diana Minishi 04/08/2022 08:47 AM

History: This message has been replied to.

Good Morning Diana,

I printed out everything I have and will email it shortly to the email on the FOIL.

Have a great Friday!

Best,

Jessica Grutteria

Diana Minishi Diana Minishi Senior Clerk 04/07/2022 03:28:02 PM

From: Diana Minishi/Town Of Harrison
To: Suzanne Fuller/Town Of Harrison@Town Of Harrison, Rosemarie Cusumano/Town Of Harrison@Town Of Harrison, Jessica Grutteria/Town Of Harrison@Town Of Harrison,
Date: 04/07/2022 03:28 PM
Subject: new 236-22

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov

----- Forwarded by Diana Minishi/Town Of Harrison on 04/07/2022 03:29 PM -----

From: TownClerk@harrison-ny.gov
To: dminishi@harrison-ny.gov,
Date: 04/07/2022 03:26 PM
Subject: Message from KM_C554e

SKM_C554e22040716200.pdf

Francis, Skylar

From: DMinishi@harrison-ny.gov
Sent: Friday, April 8, 2022 3:11 PM
To: Francis, Skylar
Subject: foil # 236-22
Attachments: SKM_C554e22040816040.pdf

[Caution] External Origin. Do not click links/open attachments unless you know the content is safe.

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov

----- Forwarded by Diana Minishi/Town Of Harrison on 04/08/2022 03:12 PM -----

From: TownClerk@harrison-ny.gov
To: dminishi@harrison-ny.gov,
Date: 04/08/2022 03:10 PM
Subject: Message from KM_C554e

Francis, Skylar

From: JGrutteria@harrison-ny.gov
Sent: Friday, April 8, 2022 8:54 AM
To: Francis, Skylar
Subject: Fw: 500-520 Mamaroneck Ave
Attachments: scan.pdf

Good Morning Skylar,

Attached is everything the Assessor's office would have in regards to Assessments for the above address due to a FOIL request. I have included front and backs of all property cards we have as well as our summary sheet and two surveys we had in our system.

Best,

Jessica Grutteria

----- Forwarded by Jessica Grutteria/Town Of Harrison on 04/08/2022 08:53 AM -----

From: assessor@harrison-ny.gov
To: jgrutteria@harrison-ny.gov,
Date: 04/08/2022 08:51 AM
Subject: 500-520 Mamaroneck Ave

Parcel ID: 0482.-8 (HARRISON)
Name: ESRT 500 MAMARONECK

Legal Addr: 500-520 MAMARONECK AVE
School: 552801 (HARRISON CENTRAL)

Mailing Address:
ESRT 500 MAMARONECK
AVENUE LLC
C/O MARISA VITALE
111 W 33RD ST- 12TH FL
NEW YORK, NY 10120

Property Description
8-26&26.1

Bank Code:
Hstd:
Prop Class: 464 (OFFICE BUILDING)

Roll Sect: 1
Res %:

Acreage: 34.54
Coord North: 0
East: 0
Ownership:
Easement: None

Mortgage Num:
Land Commitment: None
Commitment End:

Assessment Information

2020		2021		2022	
Land	Total	Land	Total	Land	Total
259,000	639,775	259,000	639,775	259,000	639,775

County Taxable	Town Taxable	School Taxable	STAR Amount
639,775	639,775	639,775	0

Exemption Information

No exemptions.

Special District Information

Code	Description	Calc	%	Units	Secondary Units	Amount	Taxable Val
CS282	MAMARONECK VALLEY						639775
DD281	REF DISPOSAL DIST						639775
SF282	FIRE DISTRICT #2						639775

Sales Information

#	Sale Price	Sale Date	Valid	Sale Type	Old Owner	Control #	Deed Type	Deed Date
1	42,655,986	4/30/1999	No	Land\Bldg	500 MAMARONECK		BARGAIN &	5/6/1999
2	41,229,043	10/7/2013	Yes	Land\Bldg	500 MAMARONECK	532783021	Bargain &	10/21/2013

Notes

#	Date Entered	Time Entered	Entered by	Note Code	Type	Date Due	Responsible	Open
1	1/31/2022	2:24 PM	JGRUTTERIA	MISC	R		JGRUTTERIA	

BP 21-36515 Interior Alteration- Suite 207 & 220 - NO CHANGE

2	1/31/2022	2:32 PM	JGRUTTERIA	MISC	R		JGRUTTERIA	

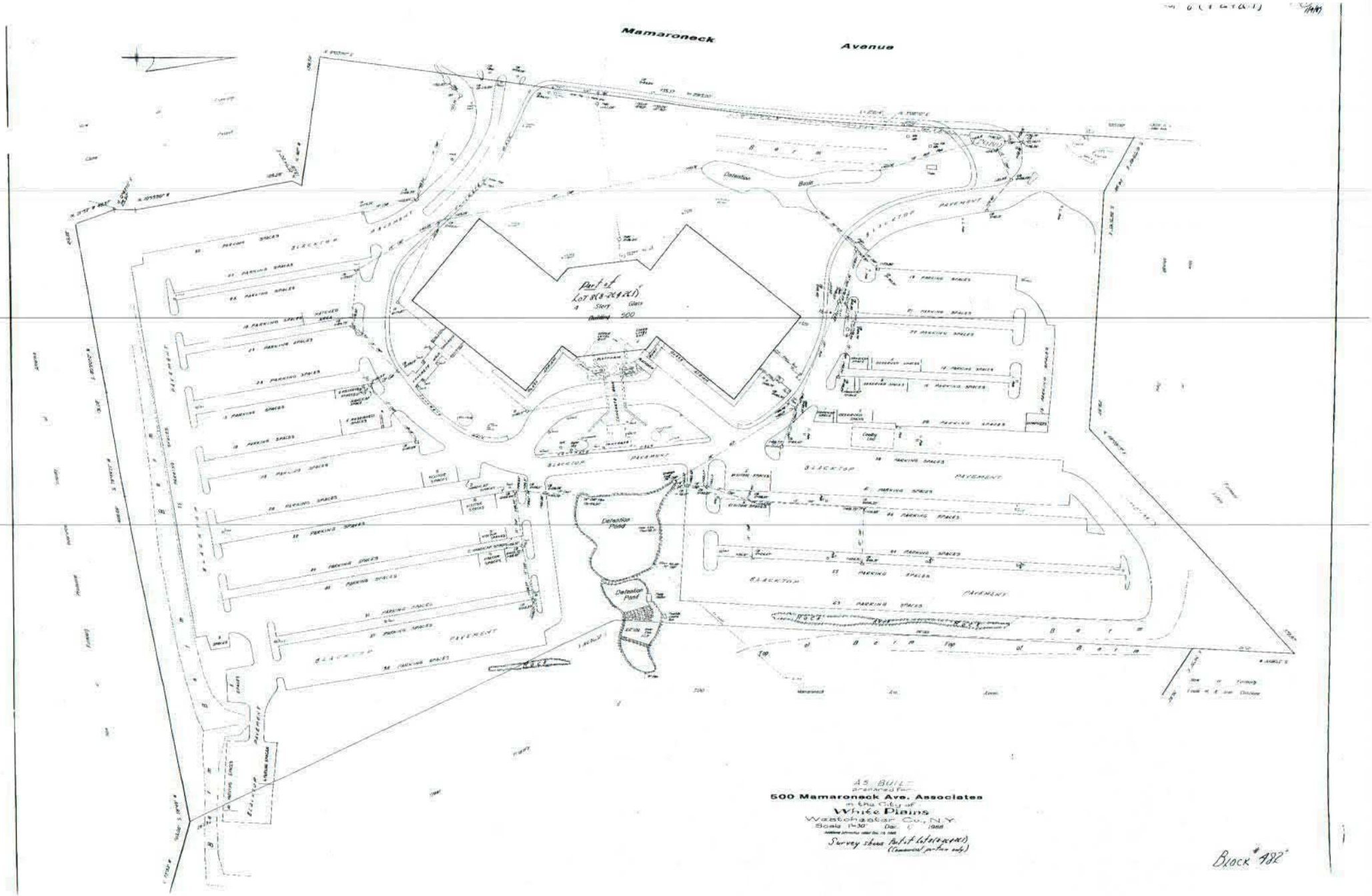
BP 22-36904 2nd Floor South Bathrooms- NO CHANGE

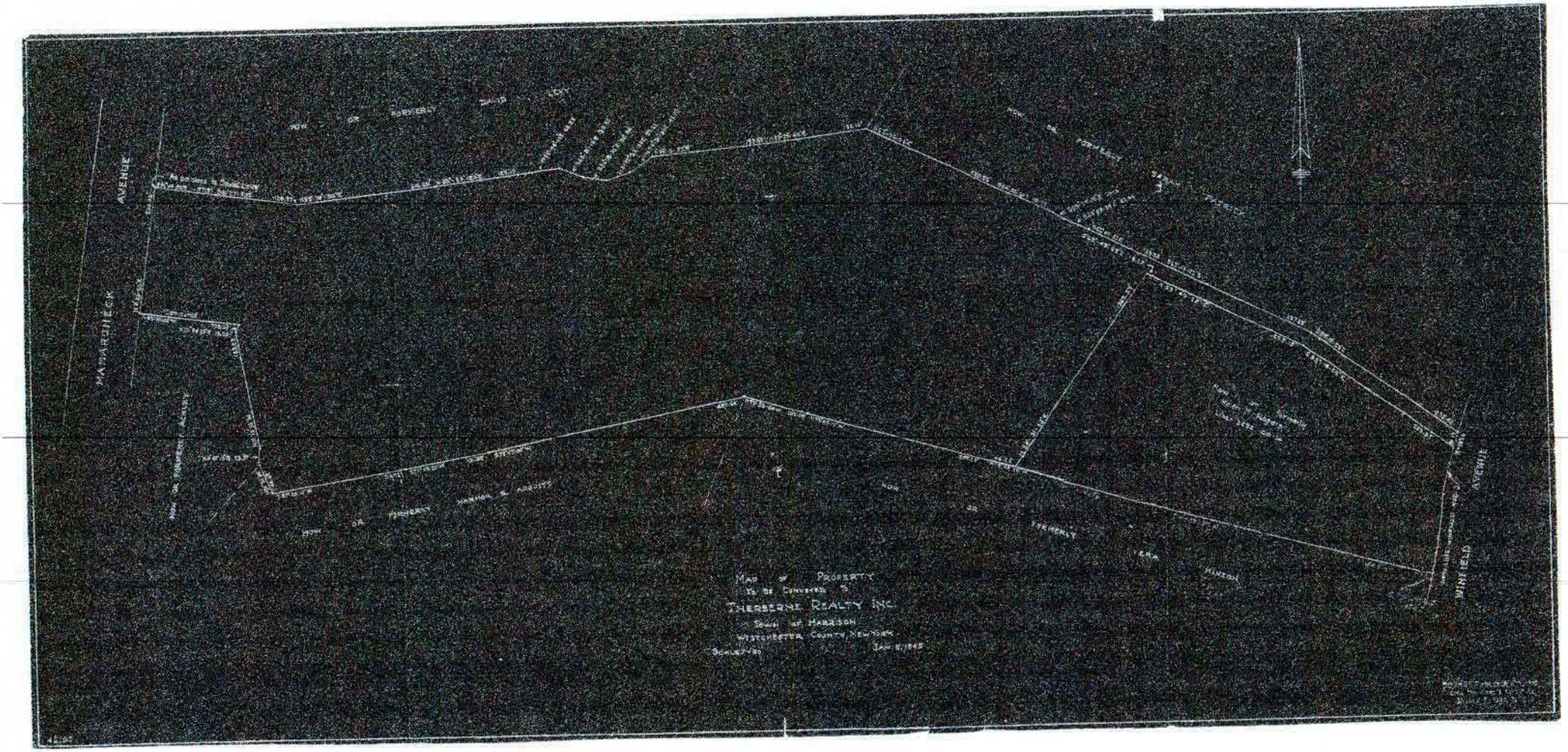
3	2/7/2022	12:21 PM	JGRUTTERIA	MISC	R		JGRUTTERIA	

BP 22-37054 BATHROOMS 2ND FLOOR NORTH- NO CHANGE

4	3/1/2022	2:17 PM	JGRUTTERIA	MISC	R		JGRUTTERIA	

BP 22-36903 INTERIOR ALTERATION SUITE 170- NO CHANGE


Mamaroneck
Avenue
Part of
Lot 8(8-26(4-26(1))
4 Story Glass
Building 500
Detention Basin
Detention Pond
Detention Pond
BLACKTOP PAVEMENT
PARKING SPACES
Top of Berm
Top of Berm
Mamaroneck Av. Avenue
AS BUILT
prepared for
500 Mamaroneck Ave. Associates
in the City of
White Plains
Westchester Co., N.Y.
Scale 1"=30' Dec. 1 1988
Survey shows Part of Lot 8(8-26(4-26(1))
(Commercial portion only)
Block # 482


MAMARONECK
AVENUE
WINFIELD
AVENUE
Map of Property
to be Conveyed to
Therberme Realty Inc.
Town of Harrison
Westchester County, New York

Block	Lot
482	8(8-26&26.1)

Map

Sec. Block Lot

Location of Property
500-520 Mamaroneck Avenue

SPECIAL DISTRICTS

Fire No.	2	Special Sewer		
Water F.P.		Drainage		
Sewer No.		County Sewer	M	
Special Water				

LAND RECORD

Water		Low		Dirt Street	
Sewer	√	Woodland		Gravel or equal	
Gas		Rocky		Hard Surface	√
Electricity	√	Hillside		No Street	
		Swampy		Sidewalk	
Level		Rough		Curb	
High				Gutter	

REPUTED OWNER

00 MAMARONECK AVENUE L P ET AL (8-26&26.1)
C 34.548 464 482 8
SRT 500 MAMARONECK AVENUE LLC

REMARKS

10/7/13 - 41,229,043.55

Reduction Denied By Board Of Review 2008 Roll

Board Of Review Granted 2009 Roll Reduction (-163,000)

BAR Granted Red. (-125,000) 2011 Roll

consent judgment
2014 65723/14 0
65573/15 -3000
65963/16 -15000
64269/17 -35,225

Frontage Figured	Average Depth	Unit Price	Unit %	Front Foot Price	Com. Infl.	Total	Depr.	Sound Value

SUMMARY

2006	Land	259,000
	Bldgs.	703,000
	Total	962,000
2007	Land	259,000
	Bldgs.	703,000
	Total	962,000
2008	Land	259,000
	Bldgs.	703,000
	Total	962,000
2009	Land	259,000
	Bldgs.	~~703,000~~ 541,000
	Total	~~962,000~~ 800,000
2010	Land	259,000
	Bldgs.	541,000
	Total	800,000
2011	Land	259,000
	Bldgs.	~~541,000~~ 416,000
	Total	~~800,000~~ 675,000
2012	Land	259,000
	Bldgs.	416,000
	Total	675,000
2013	Land	259,000
	Bldgs.	416,000
	Total	675,000
2014	Land	259,000
	Bldgs.	416,000
	Total	675,000
2015-20	Land	259,000
	Bldgs.	380,775
	Total	639,775

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Rem'd.	Cond.	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
1	Office Building			AA	1986							

2006	Bldg. No. 1	703,000	Bldg. No.
	comp BP 04/10045		
	Total	703,000	Total
2007	Bldg. No. 1	703,000	Bldg. No.
	Total	703,000	Total
2008	Bldg. No.	703,000	Bldg. No.
	Total	703,000	Total
2009	Bldg. No.	~~703,000~~ 541,000	Bldg. No.
	Total	~~703,000~~ 541,000	Total
2010	Bldg. No.	541,000	Bldg. No.
	Total	541,000	Total
2011	Bldg. No.		Bldg. No.
	comp BP 09-17313	416,000	
	Total	~~541,000~~	Total
2012	Bldg. No.		Bldg. No.
	Total	416,000	Total
2013	Bldg. No.		Bldg. No.
	Total	416,000	Total
	Bldg. No.		Bldg. No.
	inc BP 14-22869		
	Total	416,000	Total
2018	Bldg. No.		Bldg. No.
	Total	380,775	Total

FOUNDATION
Conc. Walls
Conc. Blk. Walls
Stone Walls
Brick Above Grade
Stone Above Grade
Piers

BASEMENT AREA
Full Basement
¼ | ½ | ¾

EXTERIOR WALLS
Clapboards
Nov. Siding
Vert. Siding
Wood Shingles
Asph. Shingles
Arb. Shingles
Permastone
Alum. Siding
Stuc. on Frame
Stuc. on Conc. Blk.
Solid Conc. Brick
Conc. Br. on Conc. Blk.
Conc. Brick Veneer
Conc. Br. on Conc. Blk.
Conc. Brick on Br.
Conc. Brick Veneer
Solid Stone
Stone on Conc. Blk.
Stone on Brick
Stone Veneer

Insulation
Weather Stripping

EXTERIOR TRIM
Gable
Ornamental
Final Sash
Half Timbered
Gutters
Leaders

ROOFING
Asph. Shingles
Wood Shingles
Arb. Shingles
Slate—Standard
Slate—Heavy
Spanish Tile
Metal
Tar & Gravel
Composition
Roll Roofing

ROOF TYPE
Gable
Hip
Mansard
Gambrel
Flat
Shed

FLOORS
Conc. Flr. Basement
Earth Flr. Basement
Wood Flr. Basement
Pine 1st
Hardwood 1st
Single Floor 1st
Pine 2nd
Hardwood 2nd
Single Floor 2nd
Pine 3rd
Hardwood 3rd
Single Floor 3rd
Parquet
Flr. Plank
Terrazzo
Marble
Linoleum
Tile
Rubber Tile
Asphalt Tile

FLOOR CONSTRUCTION
Wood Joists
Steel Beams
Reinf. Concrete
Mill

INTERIOR FINISH

	B	1st	2nd	3rd
Pine				
Hdwd				
Plaster				
Sht. Rk.				
Lin. Int.				
Fin. Int.				
Ply. Pnl.				

Match Bead
Paneled Hardwood
Paneled Softwood
Marble

ATTIC & BSMT. FINISH
Attic Flr. & Stairs
Fin. Attic Area
Fin. Bsmt. Area
Garage in Bsmt.
O.H. Doors

ROOMS

Bsmt.	1st
2nd	3rd
4th	5th

HEATING
Steam
Hot Water
Hot Air
Air Cond.
Radiant
Circulator
Oil Burner
Gas Boiler
No Heat. System

FIREPLACES
Fireplace Stacks
Fireplaces
Incinerator

LIGHTING SYSTEM
Electric
No Light. System

PLUMBING SYSTEM
Bathrooms A
Bathrooms B
Bathrooms C
Stall Show. Bath Rm.
Stall Show. Extra
Toilet Rooms A
Toilet Rooms B
Water Closet Extra
Lavatory Extra
Sink Extra
Urinal
Laundry Tub
Tankless Heater
Auto. Water Heater

Septic Tank
Priv. Water System
Artesian Well
Water Only
No Plumbing

TILING
Bth. Floor & Wains.
Bth. Floor & Walls
Bth. Floor Only
Toilet Rm. Fl. & Wains.
Toilet Rm. Fl. & Walls
Toilet Rm. Fl. Only

A Round Tub
Kitchen Fl. & Wains.
Kitchen Fl. & Walls
Kitchen Fl. Only

LOCATION
Good | Fair | Poor

INCOME

TOTALS

CofC 1/29/2010
03-8891
08-11806
06-12118
07-14466
08-11390

comp BP & C/O
08-16731
07-14466
07-15289
08-15668
08-15826
08-15827
08-16238

BP. 2010
comp BP 07-14466
inc BP 07-15304
08-15477
08-15500
comp — 10-17830
10-17926

2nd fl cafeteria upgrade.

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR	
Concrete		Concrete	
Masonry		Earth	
Piers		Wood	
Mscl. Block			
WALLS		**ROOFING**	
Single Siding		Asph. Shingle	
Double Siding		Wood Shingle	
Wood Shingle		Slate	
Asph. Shingle			
Asb. Shingle		Rol Roofing	
Roll Roofing		Metal	
Stucco on Frame			
Stucco on C.B.			
Conc. Blk.		**EXTRAS**	
Solid Com. Brk.		Elec. Lighting	
Face Brick Ven.		Heating	
Com. Brick Ven.		Water	
Stone		Plumbing	
Metal		Fin. Int.	
Gutters		Rooms	
Leaders		O. H. Doors	

SQUARE FEET	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

Base Price	275,000 SF		CofC 5/12/10
	SF		CofO 12/9/2010 10-17830
Base	SF		20-31164
Const.	SF		CofO 1/14/2021 10-18058
Int.	SF		20-31165
	SF		CofC 12/13/11
W	SF		CofO 4/17/2021 10-17926
	SF		21-34815
	SF		10-18766 1/6/11
Roofing	SF		CofC 3/8/11
Floor	SF		10-18889
Floor	SF		CofO 8/23/11
			10-18970
Int. Finish			CofC 5/3/11
Int. Finish		Gas in Bsmt.	11-19259
Attic Floor		Oil Burner	CofC 3/27/12
Attic Fin.			09-17313
Bsmt. Fin.		Fire Places	CofO 7/3/19
Mult. Fam.		Plumbing	18-27534
Heating		Tiling	CofO 12/23/19
Lighting			19-27718
			CofO 7/17/2020
			19-30226
TOTAL BASE		REPL. VALUE	

482 8 (8-26&26.1)

Map

Sec. Block Lot

Location of Property

500-520 Mamaroneck Avenue

SPECIAL DISTRICTS

Fire No.	2	Special Sewer	
Water F.P.		Drainage	
Sewer No.		County Sewer	M
Special Water			

LAND RECORD

Water	✓	Low	✓	Dirt Street	
Sewer	✓	Woodland	✓	Gravel or equal	
Gas	✓	Rocky	✓	Hard Surface	✓
Electricity	✓	Hillside	✓	No Street	
		Swampy		Sidewalk	
Level		Rough	✓	Curb	
High	✓			Gutter	

Year		
2004	Land	259000
	Bldg	878000
	Total	1,137,000
2004 2005	Land	259000
	Bldg	703000
	Total	962,000
Year	Land	
	Bldg	
	Total	

REPUTED OWNER	REMARKS	Frontage Figured	Average Depth	Unit Price	Unit %	Front Foot Price	Corn. Infl.	Total	Depr.	Sound Value
SCHULMAN LOWELL M (8-26&26.1)		19.1888 Acres @ 10,000								191,890
AC 34.548 330	482 8	13.457 Acres @ 500 (Deed Restriction)								7,728
500 MAMARONECK AVENUE ASSOC (8-26&26.1)										199,620
AC 34.548 330	482 8	Exemption denied by Board of Review 8/28/84								
500 MAMARONECK AVENUE ASSOC (8-26&26.1)		4/99 - 42,655,986 (Foreclosure)								
AC 34.548 UNFIN	482 8	Reduction Granted by Board of Review 2004 Roll								
		Reduction (-175,000) Certiorari agreement								
500 MAMARONECK AVENUE ASSOC (8-26&26.1)										
AC 34.548 464	482 8									
500 MAMARONECK AVENUE L P ET AL (8-26&26.1)										
AC 34.548 464	482 8									
		Reduction denied by Board of Review 8/28/87								
		B.A.R.(Correction of Errors)-1998 Roll								
		B.A.R.reduction($142200)-1999 Roll.								
		Board of Review Denied 2001 Roll								
		Court ordered reduction-Index No. 14670/01 Reduction - $56,500								
		Board Of Review Denied 2002 Roll								
		Court ordered reduction-Index No. 15898/02 Reduction - $121,500								
		Reduction Denied By Board Of Review 2003 Roll								
		Court ordered reduction-Index No. 16268/03 Reduction - $117,000								

SUMMARY

Year			Year		
1984	Land	199,620	1994		199,620
	Bldgs.	—			1,202,450
	Total	199,620			1,402,070
1985	Land	199,620	1995		199,620
	Bldgs.	—			1,202,450
	Total	199,620			1,402,070
1986	Land	199,620	1996		199,620
	Bldgs.	350,000			1,202,450
	Total	549,620			1,402,070
1987	Land	199,620	1997		199,620
	Bldgs.	1,150,000			1,202,450
	Total	1,349,620			1,402,070
1988	Land	199,620	1998/R		200,000
	Bldgs.	1,150,000			1,150,500
	Total	1,349,620			1,350,500
1989	Land	199,620	1999/R		259000
	Bldgs.	1,202,450			878,000
	Total	1,402,070			1,137,000
1990	Land	199,620	2000		259000
	Bldgs.	1,202,450			878000
	Total	1,402,070			1,137,000
1991	Land	199,620	2001	259,000	259,000
	Bldgs.	1,202,450		878,000	821,500
	Total	1,402,070		1,137,000	1,080,500
1992	Land	199,620	2002	259,000	259,000
	Bldgs.	1,202,450		878,000	756,500
	Total	1,402,070		1,137,000	1,015,500
1993	Land	199,620	2003	259,000	259,000
	Bldgs.	1,202,450		878,000	761,000
	Total	1,402,070		1,137,000	1,020,000

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Rem'd.	Cond.	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
1	OFFICE BUILDING			AA	1986		G	3%				1,202,000
1A	Receiving Dock	Steel & Aluminum	8'0		1989							~~450~~

FOUNDATION
Conc. Walls
Conc. Blk. Walls
Stone Walls
Brick Above Grade
Stone Above Grade
Piers

BASEMENT AREA
Full Basement
1/4 1 1/2 1 3/4

EXTERIOR WALLS
Clapboards
Asb. Siding
Cert. Siding
Wood Shingles
Asph. Shingles
Asb. Shingles
Permastone
Alum. Siding
Stuc. on Frame
Stuc. on Con. Blk.
Solid Com. Brick
Com. Br. on Con. Blk.
Com. Brick Veneer
Sc. Br. on Con. Blk.
Sc. Brick on Br.
Sc. Brick Veneer
Solid Stone
Stone on Conc. Blk
Stone on Brick
Stone Veneer

EXTERIOR TRIM
Gain
Ornamental
Steel Sash
Half Timbered
Gutters
Leaders

ROOFING
Asph. Shingles
Wood Shingles
Asb. Shingles
Slate—Standard
Slate—Heavy
Spanish Tile
Metal
Tar & Gravel
Composition
Roll Roofing

ROOF TYPE
Gable
Hip
Mansard
Gambrel
Flat
Shed

FLOORS
Conc. Flr. Basement
Earth Flr. Basement
Wood Flr. Basement
Pine 1st
Hardwood 1st
Single Floor 1st
Pine 2nd
Hardwood 2nd
Single Floor 2nd
Pine 3rd
Hardwood 3rd
Single Floor 3rd
Parquet
Pin Plank
Terrazzo
Marble
Linoleum
Tile
Rubber Tile
Asphalt Tile

FLOOR CONSTRUCTION
Wood Joists
Steel Beams
Reinf. Concrete
Mill

INTERIOR FINISH

	B.	1st	2nd	3rd
Pine				
Hdwd.				
Plaster				
Sht. Rk				
Unf. Int.				
Fin. Int.				
Ply. Pnl.				

Insulation
Weather Stripping
Match Bead
Paneled Hardwood
Paneled Softwood
Marble

ATTIC & BSMT. FINISH
Attic Flr. & Stairs
Fin. Attic Area
Fin. Bsmt. Area
Garage in Bsmt.
O.H. Doors

ROOMS
Bsmt. 1st
2nd 3rd
4th 5th

HEATING
Steam
Hot Water
Hot Air
Air Cond.
Radiant
Circulator
Oil Burner
Gas Boiler
No Heat. System

FIREPLACES
Fireplace Stacks
Fireplaces
Incinerator

LIGHTING SYSTEM
Electric
No Light. System

PLUMBING SYSTEM
Bathrooms A
Bathrooms B
Bathrooms C
Stall Show. Bath Rm.
Stall Show. Extra
Toilet Rooms A
Toilet Rooms B
Water Closet Extra
Lavatory Extra
Sink Extra
Urinal
Laundry Tub
Tankless Heater
Auto. Water Heater
Septic Tank
Priv. Water System
Artesian Well
Water Only
No Plumbing

TILING
Bth. Floor & Wains.
Bth. Floor & Walls
Bth. Floor Only
Toilet Rm. Fl. & Wains.
Toilet Rm. Fl. & Walls
Toilet Rm. Fl. Only
A Round Tub
Kitchen Fl. & Wains.
Kitchen Fl. & Walls
Kitchen Fl. Only

LOCATION
Good | Fair | Poor

INCOME

TOTALS

Note: All Bldgs. (3) - Old Incinerator st. demolished 1989 Roll - Demolition Permit #242

8/P #5877 (Foundation only)

1990 8/P #

2004 Roll Bldg. #1A 703,000

1983 Comp 8/P #9788 #8192
1984 8/P #9788 8281
1986 8500
1986
1986
3016
8155

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR	
Concrete		Concrete	
Masonry		Earth	
Piers		Wood	
Mscl. Block			

WALLS		ROOFING	
Single Siding		Asph. Shingle	
Double Siding		Wood Shingle	
Wood Shingle		Slate	
Asph. Shingle			
Asb. Shingle		Roll Roofing	
Roll Roofing		Metal	
Stucco on Frame			
Stucco on C.B.			
Conc. Blk.		EXTRAS	
Solid Com. Brk.		Elec. Lighting	
Face Brick Ven.		Heating	
Com. Brick Ven.		Water	
Stone		Plumbing	
Metal		Fin. Int.	
Gutters		Rooms	
Leaders		O. H. Doors	

SQUARE FEET	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

Base Price	~~275,000~~ SF	~~4.49~~	~~1,235,000~~
	SF		
Bsmt. Area	275,000 SF	4.37	1,201,250
Wall Const.	SF		
Insulation	SF		
Weather St.	SF		
	SF		
Roofing	SF		
Floor	SF		
Floor	SF		
Int. Finish			
Int. Finish	Gar. in Bsmt.		
Attic Floor	Oil Burner		
Attic Fin.			
Bsmt. Fin.	Fire Places		
Mult. Fam.	Plumbing		
Heating	Tiling		
Lighting			
TOTAL BASE	REPL. VALUE		

Year	Bldg. No.		Year	Bldg. No.	
1984	Bldg. No.		1994	Bldg. No. 1	1,202,000
				2	450
	Total			Total	1,202,450
1985	Bldg. No.		1995	Bldg. No. 1	1,202,000
				2	450
	Total			Total	1,202,450
1986	Bldg. No. 1	350,000	1996	Bldg. No. 1	1,202,000
	Inc. 8/P #5877			2	450
				Comp. 8/P #8170	
	Total	350,000		Total	1,202,450
1987	Bldg. No. 1	1,150,000	1997	Bldg. No. 1	1,202,000
	Comp. 8/P #5877			2	450
	Inc. 8/P #5988				
	Comp. 8/P #5877				
	Total	1,150,000		Total	1,202,450
1988	Bldg. No. 1	1,150,000	1998	Bldg. No. 1	~~1,202,000~~
					1,150,050
	Inc. 8/P #5988			2	~~450~~
					1,150,500
	Total	1,150,000		Total	~~1,202,450~~
1989	Bldg. No. 1	1,202,000	1999	Bldg. No. 1	~~1,020,000~~
	Inc. 8/P #5988				877,500
	1A	450		2	~~450~~
	Comp. 8/P #7211				878,000
	Total	1,202,450		Total	1,020,500
1990	Bldg. No.	1,202,000	2000	Bldg. No. 1	878,000
	Inc. 8/P #5988				
	Inc. 8/P #7211				
	1A	450			
	Total	1,202,450		Total	878,000
1991	Bldg. No. 1	1,202,000	2001	Bldg. No. 1	821,500
	Inc. 8/P #5988				
	Inc. 8/P #7611				
	1A	450			
	Total	1,202,450		Total	821,500
1992	Bldg. No. 1	1,202,000	2002	Bldg. No. 1	756,500
	Inc. 8/P #5988				
	2	450			
	Total	1,202,450		Total	756,500
1993	Bldg. No. 1	1,202,000	2003	Bldg. No. 1	761,000
	2	450			
	Total	1,202,450		Total	761,000

Block	Lot
482	8 (8-26&26.1)

Map

Sec. Block Lot

Location of Property: 500-520 Manaroneck Avenue

REPUTED OWNER

SCHULMAN LOWELL M (8-26&26.1)
AC 34.548 .400 482 8

SPECIAL DISTRICTS

Park No.		Garbage No.	1	County Sewer	M
Water No.					
Light No.	1	Sewer No.		School No.	1 / 6
Fire No.	2				

LAND RECORD

Water	✓	Low	✓	Dirt Street	
Sewer	✓	Woodland	✓	Gravel or equal	
Gas	✓	Rocky	✓	Hard Surface	✓
Electricity	✓	Hillside	✓	No Street	
		Swampy		Sidewalk	
Level		Rough	✓	Curb	
High	✓			Gutter	

REMARKS

As merged T.B.Res.dated 3/7/84

Frontage Figured	Average Depth	Unit Price	Unit %	Front Foot Price	Corn. Infl.	Total	Depr.	Sound Value

SUMMARY

1956	Land		1966	
	Bldgs.			
	Total			
1957	Land		1967	
	Bldgs.			
	Total			
1958	Land		1968	
	Bldgs.			
	Total			
1959	Land		1969	
	Bldgs.			
	Total			
1960	Land		1970	
	Bldgs.			
	Total			
1961	Land		1971	
	Bldgs.			
	Total			
1962	Land		1972	
	Bldgs.			
	Total			
1963	Land		1981-1973	
	Bldgs.			
	Total			
1964	Land		1982	
	Bldgs.			
	Total			
1965	Land		1983	133580
	Bldgs.			19970
	Total			153550

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Rem'd.	Cond.	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
1	Incinerator	2½ Brick			1954				90%		127750	127775
2	Shed	Pole Compo Bl.	10x10						90%	260	257	25

FOUNDATION
- Conc. Walls ✓
- Conc. Blk. Walls
- Brick Walls
- Stone Walls
- Brick Above Grade
- Stone Above Grade
- Piers

BASEMENT AREA
- Full Basement ✓
- ¼ | ½ | ¾

EXTERIOR WALLS
- Clapboards
- Nov. Siding
- Vert. Siding
- Wood Shingles
- Asph. Shingles
- Asb. Shingles
- Permastone
- Stuc. on Frame
- Stuc. on Con. Blk.
- Solid Com. Brick ✓
- Com. Br. on Con. Blk.
- Com. Brick Veneer
- Fc. Br. on Con. Blk.
- Fc. Brick on Br.
- Fc. Brick Veneer
- Solid Stone
- Stone on Conc. Blk.
- Stone on Brick
- Stone Veneer
- Insulation
- Weather Stripping

EXTERIOR TRIM
- Plain ✓
- Ornamental
- Steel Sash ✓
- Half Timbered
- Gutters
- Leaders

ROOFING
- Asph. Shingles
- Wood Shingles
- Asb. Shingles
- Slate—Standard
- Slate—Heavy
- Spanish Tile
- Metal
- Tar & Gravel ✓
- Composition
- Roll Roofing

ROOF TYPE
- Gable
- Hip
- Mansard
- Gambrel
- Flat ✓
- Shed

FLOORS
- Com. Flr. Basement ✓
- Earth Flr. Basement
- Wood Flr. Basement
- Pine 1st
- Hardwood 1st
- Single Floor 1st
- Pine 2nd
- Hardwood 2nd
- Single Floor 2nd
- Pine 3rd
- Hardwood 3rd
- Single Floor 3rd
- Cork
- Parquet
- Pin Plank
- Terrazzo
- Marble
- Linoleum
- Tile
- Rubber Tile
- Asphalt Tile

FLOOR CONSTRUCTION
- Wood Joists
- Steel Beams
- Reinf. Concrete
- Mill

INTERIOR FINISH

	2½	1st	2nd	3rd
Pine				
Hardwood				
Enameled				
Plaster				
Sheet Rock				
Unfin. Int.	✓	✓	✓	

- Match Bead
- Paneled Hardwood
- Paneled Softwood
- Marble

ATTIC & BSMT. FINISH
- Attic Flr. & Stairs
- Fin. Attic Area
- Fin. Bsmt. Area
- Garage in Bsmt.

ROOMS
- Bsmt. | 1st
- 2nd | 3rd

HEATING
- Steam
- Hot Water ✓
- Vapor
- Hot Air
- Air Cond.
- Radiant
- Pipeless Furnace
- Circulator
- Oil Burner ✓
- Coal Stoker
- Gas Boiler
- No Heat. System

FIREPLACES
- Fireplace Stacks ✓
- Fireplaces
- Incinerator

LIGHTING SYSTEM
- Electric
- No Light. System

PLUMBING SYSTEM

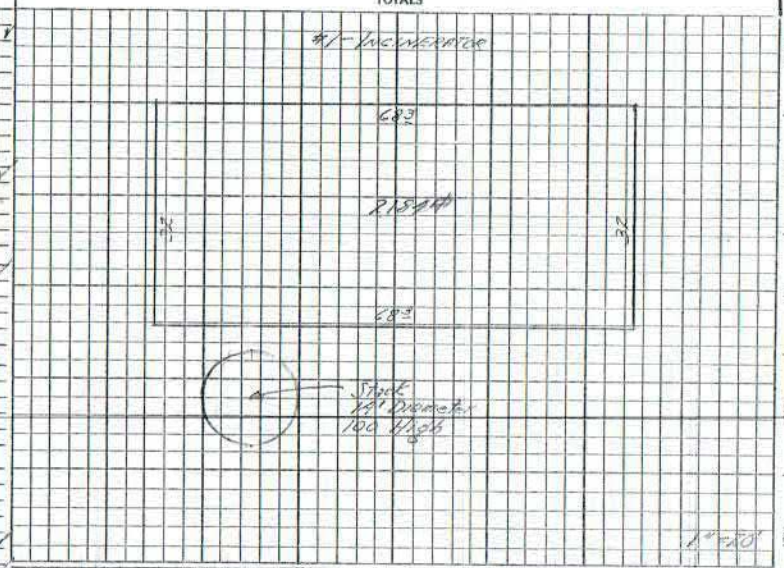
Bathrooms A		
Bathrooms B		
Bathrooms C		
Stall Show. Bath Rm.		
Stall Show. Extra	2	✓
Toilet Rooms A		
Toilet Rooms B	1	✓
Water Closet Extra		
Lavatory Extra		
Sink Extra		
Urinal	1	✓
Laundry Tub		
Tankless Heater		
Auto. Water Heater		
Septic Tank		
Priv. Water System		
Artesian Well		
Water Only		
No Plumbing		

TILING
- Bth. Floor & Wains.
- Bth. Floor & Walls
- Bth. Floor Only
- Toilet Rm. Fl. & Wains.
- Toilet Rm. Fl. & Walls
- Toilet Rm. Fl. Only
- Kitchen Fl. & Wains.
- Kitchen Fl. & Walls
- Kitchen Fl. Only

LOCATION
Good | Fair | Poor

INCOME

TOTALS



GARAGE OR OUTBUILDINGS

FOUNDATION	2	FLOOR	2
Concrete	✓	Concrete	✓
Masonry		Earth	
Piers		Wood	
Mscl. Block			

WALLS		ROOFING	
Single Siding		Asph. Shingle	✓
Double Siding		Wood Shingle	
Wood Shingle		Slate	
Asph. Shingle		Tile	
Asb. Shingle		Roll Roofing	
Roll Roofing		Metal	
Stucco on Frame		Gable	✓
Stucco on C.B.			
Conc. Blk.		**EXTRAS**	
Solid Com. Brk.	✓	Elec. Lighting	
Face Brick Ven.		Heating	
Com. Brick Ven.		Water	
Stone		Plumbing	
Metal		Fin. Int.	
Gutters		Rooms	
Leaders		O. H. Doors	

SQUARE FEET	UNIT PRICE	REPL. VALUE
2 100	2.00	200

MAIN BUILDING COMPUTATIONS

Base Price		SF
		SF
Bsmt. Area		SF
Wall Const.		SF
Insulation		SF
Weather St.		SF
		SF
Roofing		SF
Floor		SF
Floor		SF
Int. Finish		
Int. Finish		Gar. in Bsmt.
Attic Floor		Oil Burner
Attic Fin.		
Bsmt. Fin.		Fire Places
Mult. Fam.		Plumbing
Heating		Tiling
Lighting		
TOTAL BASE		REPL. VALUE

	Bldg. No.			Bldg. No.	
1956			1966		
	Total			Total	
1957			1967		
	Total			Total	
1958			1968		
	Total			Total	
1959			1969		
	Total			Total	
1960			1970		
	Total			Total	
1961			1971		
	Total			Total	
1962			1972		
	Total			Total	
1963			1973-1975		
	Total			Total	
1964			1982		
	Total			Total	
1965			1983		
	Total			Total	

Block 482 Lot 8(8-26&26.1) Card 2 of 2

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Rem'd.	Cond.	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
3	Refuse Transfer Station	15			1970				90%		15750	15775

1956	Bldg. No.		1966	Bldg. No.	
	Total			Total	
1957	Bldg. No.		1967	Bldg. No.	
	Total			Total	
1958	Bldg. No.		1968	Bldg. No.	
	Total			Total	
1959	Bldg. No.		1969	Bldg. No.	
	Total			Total	
1960	Bldg. No.		1970	Bldg. No.	
	Total			Total	
1961	Bldg. No.		1971	Bldg. No.	
	Total			Total	
1962	Bldg. No.		1972	Bldg. No.	
	Total			Total	
1963	Bldg. No.		1973	Bldg. No.	
	Total			Total	
1964	Bldg. No.		1974	Bldg. No.	
	Total			Total	
1965	Bldg. No.		1975	Bldg. No. 3	1570
	Total			Total	1570

FOUNDATION
- Conc. Walls
- Conc. Blk. Walls
- Brick Walls
- Stone Walls
- Brick Above Grade
- Stone Above Grade
- Piers

BASEMENT AREA
- Full Basement
- 1/4 | 1/2 | 3/4

EXTERIOR WALLS
- Clapboards
- Nov. Siding
- Vert. Siding
- Wood Shingles
- Asph. Shingles
- Asb. Shingles
- Permastone
- Stuc. on Frame
- Stuc. on Con. Blk.
- Solid Com. Brick
- Com. Br. on Con. Blk.
- Com. Brick Veneer
- Fc. Br. on Con. Blk.
- Fc. Brick on Br.
- Fc. Brick Veneer
- Solid Stone
- Stone on Conc. Blk.
- Stone on Brick
- Stone Veneer
- Insulation
- Weather Stripping

EXTERIOR TRIM
- Main
- Ornamental
- Steel Sash
- Half Timbered
- Gutters
- Leaders

ROOFING
- Asph. Shingles
- Wood Shingles
- Asb. Shingles
- Slate—Standard
- Slate—Heavy
- Spanish Tile
- Metal
- Tar & Gravel
- Composition
- Roll Roofing

ROOF TYPE
- Gable
- Hip
- Mansard
- Gambrel
- Flat
- Shed

FLOORS
- Cem. Flr. Basement
- Earth Flr. Basement
- Wood Flr. Basement
- Pine 1st
- Hardwood 1st
- Single Floor 1st
- Pine 2nd
- Hardwood 2nd
- Single Floor 2nd
- Pine 3rd
- Hardwood 3rd
- Single Floor 3rd
- Cork
- Parquet
- Pin Plank
- Terrazzo
- Marble
- Linoleum
- Tile
- Rubber Tile
- Asphalt Tile

FLOOR CONSTRUCTION
- Wood Joists
- Steel Beams
- Reinf. Concrete
- Mill

INTERIOR FINISH

	1st	2nd	3rd
Pine			
Hardwood			
Enameled			
Plaster			
Sheet Rock			
Unfin. Int.			

- Match Boad
- Paneled Hardwood
- Paneled Softwood
- Marble

ATTIC & BSMT. FINISH
- Attic Flr. & Stairs
- Fin. Attic Area
- Fin. Bsmt. Area
- Garage in Bsmt.

ROOMS
- Bsmt. | 1st
- 2nd | 3rd

HEATING
- Steam
- Hot Water
- Vapor
- Hot Air
- Air Cond.
- Radiant
- Pipeless Furnace
- Circulator
- Oil Burner
- Coal Stoker
- Gas Boiler
- No Heat. System

FIREPLACES
- Fireplace Stacks
- Fireplaces
- Incinerator

LIGHTING SYSTEM
- Electric
- No Light. System

PLUMBING SYSTEM
- Bathrooms A
- Bathrooms B
- Bathrooms C
- Stall Show. Bath Rm.
- Stall Show. Extra
- Toilet Rooms A
- Toilet Rooms B
- Water Closet Extra
- Lavatory Extra
- Sink Extra
- Urinal
- Laundry Tub
- Tankless Heater
- Auto. Water Heater
- Septic Tank
- Priv. Water System
- Artesian Well
- Water Only
- No Plumbing

TILING
- Bth. Floor & Wains.
- Bth. Floor & Walls
- Bth. Floor Only
- Toilet Rm. Fl. & Wains.
- Toilet Rm. Fl. & Walls
- Toilet Rm. Fl. Only
- Kitchen Fl. & Wains.
- Kitchen Fl. & Walls
- Kitchen Fl. Only

LOCATION
Good | Fair | Poor

INCOME

TOTALS

GARAGE OR OUTBUILDINGS

FOUNDATION			FLOOR		
Concrete			Concrete		
Masonry			Earth		
Piers			Wood		
Mscl. Block					

WALLS			ROOFING		
Single Siding			Asph. Shingle		
Double Siding			Wood Shingle		
Wood Shingle			Slate		
Asph. Shingle			Tile		
Asb. Shingle			Roll Roofing		
Roll Roofing			Metal		
Stucco on Frame					
Stucco on C.B.					
Conc. Blk.			EXTRAS		
Solid Com. Brk.			Elec. Lighting		
Face Brick Ven.			Heating		
Com. Brick Ven.			Water		
Stone			Plumbing		
Metal			Fin. Int.		
Gutters			Rooms		
Leaders			O. H. Doors		

SQUARE FEET	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

Base Price		SF	
		SF	
Bsmt. Area		SF	
Wall Const.		SF	
Insulation		SF	
Weather St.		SF	
		SF	
Roofing		SF	
Floor		SF	
Floor		SF	
Int. Finish			
Int. Finish		Gar. in Bsmt.	
Attic Floor		Oil Burner	
Attic Fin.			
Bsmt. Fin.		Fire Places	
Mult. Fam.		Plumbing	
Heating		Tiling	
Lighting			
TOTAL BASE		REPL. VALUE	

BLOCK	LOT
482	8

MAP: Acreage

SECTION	BLOCK	LOT
3	13	5

LOCATION OF PROPERTY: Mamaroneck Avenue

SPECIAL DISTRICTS

	PARK NO.	✓	GARBAGE NO. 1	M	SANITARY SEWER
✓	WATER NO. 2		SIDEWALK NO.		RYE BOND
✓	LIGHT NO. 1		SEWER NO.	✓	SCHOOL NO. 6
	FIRE NO.				

LAND RECORD

WATER		✓	LOW	✓	DIRT STREET
SEWER		✓	WOODLAND	✓	GRAVEL OR EQUAL
GAS		✓	ROCKY	✓	HARD SURFACE ✓
ELECTRICITY			HILLSIDE		NO STREET
			SWAMPY		SIDEWALK
LEVEL			ROUGH	✓	CURB & GUTTER
HIGH		✓			

FRONTAGE FIGURED	AVERAGE DEPTH	UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE
2	A @	4000				8000	1600	6400
4	" @	3000				12000		
4	" @	2500				10000		
4.066	@	2000				8132		

LAND SKETCH

REFUTED OWNER		REMARKS
THERBERNE REALTY INC (8-9-25)		1951 In Rem D.A.Liber 5172 page 130 from Receiver of Taxes to Town of Harrison
AC 14.066	VAC	482 8 D.A.Liber 5189 page 179 from Town of Harrison to Peter Panousis
THERBERNE REALTY INC 14 MAMARONECK AVE WHITE PLAINS N Y		
TOWN OF HARRISON (8-9-25)		
AC 14.066	VAC	482 8
PANOUSIS PETER (8-9-25)		
AC 14.066	VAC	482 8
PETER PANOUSIS 479 62nd ST BROOKLYN N Y		
PANOUSIS PETER		
AC 14.066	VAC	482 8
PETER PANOUSIS 479 62nd ST BROOKLYN N Y		
MARROS ARTHUR		
AC 14.066	VAC	482 8
ARTHUR MARROS 161 E COLUMBUS AVE WHITE PLAINS N Y		

SUMMARY

1945	LAND	
	BLDGS.	
	TOTAL	
1947	LAND	19160
	BLDGS.	—
	TOTAL	19160
1948	LAND	19160
	BLDGS.	—
	TOTAL	19160
1949	LAND	19160
	BLDGS.	—
	TOTAL	19160
1950	LAND	19160
	BLDGS.	—
	TOTAL	19160
1951	LAND	19160
	BLDGS.	—
	TOTAL	19160
1952	LAND	19160
	BLDGS.	—
	TOTAL	19160
1953	LAND	19160
	BLDGS.	—
	TOTAL	19160
1954	LAND	19160
	BLDGS.	—
	TOTAL	19160
1955	LAND	19160
	BLDGS.	—
	TOTAL	19160

BLDG. NO.	OCCUPANCY	CONSTRUCTION	SIZE	GRADE	AGE	REMODL'D	COND.	PHY. DEPR.	FUNCT. DEPR.	REPLACEMENT VALUE	PHYSICAL VALUE	SOUND VALUE
	GRB											

FOUNDATION

- CONC. WALLS
- CONC. BL. WALLS
- BRICK WALLS
- STONE WALLS
- BRICK ABOVE GRADE
- STONE ABOVE GRADE
- PIERS
- ROCK EXCAVATION

BASEMENT AREA

FULL BASEMENT

⅓	½	¾

EXTERIOR WALLS

- CLAPBOARDS
- NOVELTY SIDING
- WIDE SIDING
- WOOD SHINGLES
- ASPHALT SHINGLES
- ASBESTOS SHINGLES
- ASPHALT BR. SIDING
- ~~ASBESTOS BR. SIDING~~
- STUCCO ON FRAME
- STUCCO ON TILE
- SOLID COM. BRICK
- COM. BRICK ON TILE
- COM. BRICK VENEER
- FACE BR. ON TILE
- FACE BR. ON BR.
- FACE BR. VENEER
- SOLID STONE
- STONE ON TILE
- STONE ON BRICK
- STONE VENEER
- INSULATING LATH
- INSULATION
- WEATHERSTRIPPING

EXTERIOR TRIM

- ORNAMENTAL
- PLAIN
- HALF TIMBERED
- STEEL SASH

ROOFING

- ASPHALT SHINGLE
- WOOD SHINGLE
- ASBESTOS SHINGLE
- SLATE—STD. WT.
- SLATE—STD. WT. TEXT.
- SLATE—HEAVY TEXT.
- SHINGLE TILE
- SPANISH TILE
- METAL
- TAR & GRAVEL
- COMPOSITION
- ROLL ROOFING

ROOF TYPE

- GABLE
- HIP
- MANSARD
- GAMBREL
- FLAT

FLOORS

- CEMENT FLOOR BSMT.
- EARTH FLOOR BSMT.
- WOOD FLOOR BSMT.
- PINE 1ST
- HARDWOOD 1ST
- SINGLE FLOOR 1ST
- PINE 2ND
- HARDWOOD 2ND
- SINGLE FLOOR 2ND
- PINE 3RD
- HARDWOOD 3RD
- SINGLE FLOOR 3RD
- PARQUET
- PIN PLANK
- TERRAZZO
- MARBLE
- COMPOSITION
- LINOLEUM
- TILE
- RUBBER TILE

FLOOR CONSTRUCTION

- WOOD JOISTS
- STEEL BEAMS
- REINFORCED CONCRETE
- MILL CONSTRUCTION

INTERIOR FINISH

	1ST	2ND	3RD
PINE			
HARDWOOD			
ENAMELED			
CHESTNUT			

- WALL BOARD
- MATCH BEAD
- PANELED HARDWOOD
- PANELED SOFTWOOD
- MARBLE
- ORNAMENTAL PLASTER
- L & O DECORATING
- UNFINISHED INTERIOR

ATTIC & BSMT. FINISH

- ATTIC FL. & STAIRS
- FIN. ATTIC AREA
- FIN. BSMT. AREA
- RECREATION RM. BSMT.
- GARAGE IN BSMT.

ROOMS

BSMT.	1ST
2ND	3RD

HEATING

- STEAM
- HOT WATER
- VAPOR
- AIR COND.
- HOT AIR
- PIPELESS FURNACE
- NO HEATING SYSTEM
- OIL BURNER ATTACHED
- OIL BURNING UNIT
- COAL STOKER
- GAS BOILER

FIREPLACES

- FIREPLACE STACKS
- FIREPLACES
- ARTIFICIAL FIREPLACE
- INCINERATOR

LIGHTING SYSTEM

- ELECTRIC
- GAS
- PRIVATE LTG. SYSTEM
- NO LTG. SYSTEM

PLUMBING SYSTEM

- BATHROOMS A
- BATHROOMS B
- BATHROOMS C
- STALL SHOWER BATH RM.
- STALL SHOWER EXTRA
- TOILET ROOMS A
- TOILET ROOMS B
- WATER CLOSET EXTRA
- LAVATORY EXTRA
- SINK EXTRA
- URINAL
- TOTAL NO. FIXTURES
- AUTO. WATER HEATER
- SEPTIC TANK
- PRIVATE WATER SYSTEM
- ANTESIAN WELL
- WATER SOFTENER
- WATER ONLY
- NO PLUMBING

TILING

- BATH FL. & WAINSCOT
- BATH FL. & WALLS
- BATH FL. ONLY
- TOILET RM. FL. & WAINS.
- TOILET RM. FL. & WALLS
- TOILET RM. FL. ONLY
- KITCHEN WAINSCOT
- KITCHEN WALLS
- KITCHEN WALLS & FL.

LOCATION

GOOD	FAIR	POOR

INCOME

TOTALS

	BLDG. NO.
1947	
	TOTAL
1948	BLDG. NO.
	TOTAL
1949	BLDG. NO.
	TOTAL
1950	BLDG. NO.
	TOTAL
1951	BLDG. NO.
	TOTAL
1952	BLDG. NO.
	TOTAL
1953	BLDG. NO.
	TOTAL
1954	BLDG. NO.
	TOTAL
1955	BLDG. NO.
	TOTAL

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR
CONCRETE		CONCRETE
MASONRY		EARTH
PIERS		WOOD
MISC. BLOCKING		

WALLS		ROOFING
SINGLE SIDING		COMPO. SHINGLE
DOUBLE SIDING		WOOD SHINGLE
WOOD SHINGLE		SLATE
COMPO. SHINGLE		TILE
ROLL ROOFING		ROLL ROOFING
		METAL
STUCCO ON FR.		
STUCCO ON TILE		BOX CORNICE
CONC. BLOCK		EXTRAS
SOLID COM. BR.		
FACE BR. VEN.		ELEC. LTG.
COM. BR. VEN.		HEATING
		WATER
STONE		PLUMBING FIXT.
METAL		
		FINISHED INT.
		LIVING ROOMS

SQUARE FT.	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

BASE PRICE		SF		
FOUNDATION		SF		
BSMT. AREA		SF		
WALL CONST.		SF		
INSULATION		SF		
WEATHER ST.		SF		
EXT. TRIM		SF		
ROOFING		SF		
FLOOR		SF		
FLOOR			INTERIOR FINISH	
INT. FINISH				
INT. FINISH			OIL BURNER	
ATTIC FL.			EXTRA BOILER	
ATTIC FIN.			FIREPLACES	
BSMT. FIN.			PLUMBING	
MULT. FAM.				
HEATING			TILING	
LIGHTING				
TOTAL BASE			REPL. VALUE	

482 26

MAP Acreage

SECTION 3 BLOCK 13 LOT 13

LOCATION OF PROPERTY Mamaroneck Avenue

SPECIAL DISTRICTS			
PARK NO.	✓ GARBAGE NO. 1	M SANITARY SEWER	
✓ WATER NO. 2	SIDEWALK NO.	RYE BOND	
✓ LIGHT NO. 1	SEWER NO.	SCHOOL NO.	
FIRE NO.			

WATER	✓ LOW	DIRT STREET	
SEWER	✓ WOODLAND	✓ GRAVEL OR EQUAL	
GAS	✓ ROCKY	✓ HARD SURFACE	✓
ELECTRICITY	✓ HILLSIDE	✓ NO STREET	
	SWAMPY	SIDEWALK	
LEVEL	ROUGH	✓ CURB & GUTTER	
HIGH	✓		

REPUTED OWNER	REMARKS	FRONTAGE FIGURED	AVERAGE DEPTH	UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE
TOWN OF HARRISON										
AC 23.93 VAC	482 26									
TOWN OF HARRISON										
AC 23.93 INCINERATOR	482 26									
TOWN OF HARRISON										
% COMPIROLLER										
TOWN HOUSE										
HARRISON N Y										
	TRANSFERRED FROM TAXABLE - 1953 ROLL									
	Bldg. Permit # 738 complete for 1954 Roll									

SUMMARY

1946	LAND	
	BLDGS.	
	TOTAL	
1947	LAND	
	BLDGS.	
	TOTAL	
1948	LAND	
	BLDGS.	
	TOTAL	
1949	LAND	
	BLDGS.	
	TOTAL	
1950	LAND	
	BLDGS.	
	TOTAL	
1951	LAND	
	BLDGS.	
	TOTAL	
1952	LAND	
	BLDGS.	
	TOTAL	
1953	LAND	49600
	BLDGS.	
	TOTAL	49600
1954	LAND	49600
	BLDGS.	123000
	TOTAL	172600
1955	LAND	49600
	BLDGS.	123000
	TOTAL	[illegible]

EXEMPT

BLDG. NO.	OCCUPANCY	CONSTRUCTION	SIZE	GRADE	AGE	REMODL'D	COND.	PHY. DEPR.	FUNCT. DEPR.	REPLACEMENT VALUE	PHYSICAL VALUE	SOUND VALUE

FOUNDATION

- CONC. WALLS
- CONC. BL. WALLS
- BRICK WALLS
- STONE WALLS
- BRICK ABOVE GRADE
- STONE ABOVE GRADE
- PIERS
- ROCK EXCAVATION

BASEMENT AREA

FULL BASEMENT

	½	¾

EXTERIOR WALLS

- CLAPBOARDS
- NOVELTY SIDING
- WIDE SIDING
- WOOD SHINGLES
- ASPHALT SHINGLES
- ASBESTOS SHINGLES
- ASPHALT BR. SIDING
- ASBESTOS BR. SIDING
- STUCCO ON FRAME
- STUCCO ON TILE
- SOLID COM. BRICK
- COM. BRICK ON TILE
- COM. BRICK VENEER
- FACE BR. ON TILE
- FACE BR. ON BR.
- FACE BR. VENEER
- SOLID STONE
- STONE ON TILE
- STONE ON BRICK
- STONE VENEER
- INSULATING LATH
- INSULATION
- WEATHERSTRIPPING

EXTERIOR TRIM

- ORNAMENTAL
- PLAIN
- HALF TIMBERED
- STEEL SASH

ROOFING

- ASPHALT SHINGLE
- WOOD SHINGLE
- ASBESTOS SHINGLE
- SLATE—STD. WT.
- SLATE—STD. WT. TEXT.
- SLATE—HEAVY TEXT.
- SHINGLE TILE
- SPANISH TILE
- METAL
- TAR & GRAVEL
- COMPOSITION
- ROLL ROOFING

ROOF TYPE

- GABLE
- HIP
- MANSARD
- GAMBREL
- FLAT

FLOORS

- CEMENT FLOOR BSMT.
- EARTH FLOOR BSMT.
- WOOD FLOOR BSMT.
- PINE 1ST
- HARDWOOD 1ST
- SINGLE FLOOR 1ST
- PINE 2ND
- HARDWOOD 2ND
- SINGLE FLOOR 2ND
- PINE 3RD
- HARDWOOD 3RD
- SINGLE FLOOR 3RD
- PARQUET
- PIN PLANK
- TERRAZZO
- MARBLE
- COMPOSITION
- LINOLEUM
- TILE
- RUBBER TILE

FLOOR CONSTRUCTION

- WOOD JOISTS
- STEEL BEAMS
- REINFORCED CONCRETE
- MILL CONSTRUCTION

INTERIOR FINISH

	1ST	2ND	3RD
PINE			
HARDWOOD			
ENAMELED			
CHESTNUT			

- WALL BOARD
- MATCH BEAD
- PANELED HARDWOOD
- PANELED SOFTWOOD
- MARBLE
- ORNAMENTAL PLASTER
- L & O DECORATING
- UNFINISHED INTERIOR

ATTIC & BSMT. FINISH

- ATTIC FL. & STAIRS
- FIN. ATTIC AREA
- FIN. BSMT. AREA
- RECREATION RM. BSMT.
- GARAGE IN BSMT.

ROOMS

BSMT.		1ST	
2ND		3RD	

HEATING

- STEAM
- HOT WATER
- VAPOR
- AIR COND.
- HOT AIR
- PIPELESS FURNACE
- NO HEATING SYSTEM
- OIL BURNER ATTACHED
- OIL BURNING UNIT
- COAL STOKER
- GAS BOILER

FIREPLACES

- FIREPLACE STACKS
- FIREPLACES
- ARTIFICIAL FIREPLACE
- INCINERATOR

LIGHTING SYSTEM

- ELECTRIC
- GAS
- PRIVATE LTG. SYSTEM
- NO LTG. SYSTEM

PLUMBING SYSTEM

- BATHROOMS A
- BATHROOMS B
- BATHROOMS C
- STALL SHOWER BATH RM.
- STALL SHOWER EXTRA
- TOILET ROOMS A
- TOILET ROOMS B
- WATER CLOSET EXTRA
- LAVATORY EXTRA
- SINK EXTRA
- URINAL
- TOTAL No. FIXTURES
- AUTO. WATER HEATER
- SEPTIC TANK
- PRIVATE WATER SYSTEM
- ARTESIAN WELL
- WATER SOFTENER
- WATER ONLY
- NO PLUMBING

TILING

- BATH FL. & WAINSCOT
- BATH FL. & WALLS
- BATH FL. ONLY
- TOILET RM. FL. & WAINS.
- TOILET RM. FL. & WALLS
- TOILET RM. FL. ONLY
- KITCHEN WAINSCOT
- KITCHEN WALLS
- KITCHEN WALLS & FL.

LOCATION

GOOD	FAIR	POOR

INCOME

TOTALS

1947	BLDG. No.	
	TOTAL	
1948	BLDG. No.	
	TOTAL	
1949	BLDG. No.	
	TOTAL	
1950	BLDG. No.	
	TOTAL	
1951	BLDG. No.	
	TOTAL	
1952	BLDG. No.	
	TOTAL	
1953	BLDG. No.	
	TOTAL	
1954	BLDG. No.	
	TOTAL	
1955	BLDG. No.	
	TOTAL	

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR	
CONCRETE		CONCRETE	
MASONRY		EARTH	
PIERS		WOOD	
MISC. BLOCKING			
WALLS		**ROOFING**	
SINGLE SIDING		COMPO. SHINGLE	
DOUBLE SIDING		WOOD SHINGLE	
WOOD SHINGLE		SLATE	
COMPO. SHINGLE		TILE	
ROLL ROOFING		ROLL ROOFING	
		METAL	
STUCCO ON FR.			
STUCCO ON TILE		BOX CORNICE	
CONC. BLOCK		**EXTRAS**	
SOLID COM. BR.			
FACE BR. VEN.		ELEC. LTG.	
COM. BR. VEN.		HEATING	
		WATER	
STONE		PLUMBING FIXT.	
METAL			
		FINISHED INT.	
		LIVING ROOMS	

SQUARE FT.	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

BASE PRICE		SF	
FOUNDATION		SF	
BSMT. AREA		SF	
WALL CONST.		SF	
INSULATION		SF	
WEATHER ST.		SF	
EXT. TRIM		SF	
ROOFING		SF	
FLOOR		SF	
FLOOR			
		INTERIOR FINISH	
INT. FINISH			
INT. FINISH		OIL BURNER	
ATTIC FL.		EXTRA BOILER	
ATTIC FIN.		FIREPLACES	
BSMT. FIN.		PLUMBING	
MULT. FAM.			
HEATING		TILING	
LIGHTING			
TOTAL BASE		REPL. VALUE	

482 8 (8-9-25)

MAP: Acreage

SECTION 3 BLOCK 13 LOT 5

LOCATION OF PROPERTY: Mamaroneck Ave

	PARK NO.	✓ GARBAGE NO. 1	M SANITARY SEWER
✓	WATER NO. 2	SIDEWALK NO.	RYE BOND
✓	LIGHT NO. 3	SEWER NO.	✓ SCHOOL NO. 6
	FIRE NO.		

WATER	✓	LOW	✓
SEWER	✓	WOODLAND	✓
GAS	✓	ROCKY	✓
ELECTRICITY	✓	HILLSIDE	
		SWAMPY	
LEVEL		ROUGH	✓
HIGH	✓		

DIRT STREET			
GRAVEL OR EQUAL			
HARD SURFACE	✓		
NO STREET			
SIDEWALK	—		
CURB & GUTTER	—		

REPUTED OWNER

14.066 Ac

Gail Gardner
204 Central Park Sq.
Manhattan, New York

GARDNER GAIL (8-9&25)
AC 14.066 VAC

GAIL GARDNER
205 EAST 62nd ST
NEW YORK 21 N Y

THERBERNE REALTY INC (8-9-25)
AC 14.066 VAC

THERBERNE REALTY INC
14 MAMARONECK AVE
WHITE PLAINS N Y

REMARKS

For 1935 Lot 8 includes 8-9-25

482 8

~~482 8~~

D.A. dated 1/7/46 recorded 1/9/46
Con. $100.00 Stamps $8.80.

FRONTAGE FIGURED	AVERAGE DEPTH	UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE
2	Ac	@	4000			8000	1600	6400
4	Ac	@	3000			12000	2400	9600
4	Ac	@	2500			10000	2000	8000
4.066	Ac	@	2000			8132	1625	6566
								30506
							TOTAL	28,506
2	Ac	@	2600			7200	1440	5760
4	Ac	@	2300			10800	2970	7830
4			2250			9000	2430	6570
4.066			1800			7318	1975	5343
								25558
								6388
								19160
Reduction denied by B/R								
Reduction denied by B/R								

SUMMARY

1937	LAND	2 9530
	BLDGS	—
	TOTAL	2 9530
1939	LAND	28510
	BLDGS	—
	TOTAL	28,510
1939	LAND	28510
	BLDGS	
	TOTAL	28510
1940	LAND	28510
	BLDGS	—
	TOTAL	28510
1941	LAND	25550
	BLDGS	—
	TOTAL	25550
1942	LAND	25550
	BLDGS.	—
	TOTAL	25550
1943	LAND	19160
	BLDGS.	—
	TOTAL	19160
1944	LAND	19160
	BLDGS.	—
	TOTAL	19160
1945	LAND	19160
	BLDGS.	—
	TOTAL	19160
1945	LAND	19160
	BLDGS.	—
	TOTAL	19160

THE J. H. CLEMINSHAW CO., APPRAISAL ENGINEERS, CLEVELAND — NEW YORK

BUILDING RECORD

BLDG. NO.	OCCUPANCY	CONSTRUCTION	SIZE	GRADE	AGE	REMODL'D	COND.	PHY. DEPR.	FUNCT. DEPR.	REPLACEMENT VALUE	PHYSICAL VALUE	SOUND VALUE

FOUNDATION

- CONC. WALLS
- CONC. BL. WALLS
- BRICK WALLS
- STONE WALLS
- BRICK ABOVE GRADE
- STONE ABOVE GRADE
- PIERS
- ROCK EXCAVATION

BASEMENT AREA

FULL BASEMENT

1/4	1/2	1/4

EXTERIOR WALLS

- CLAPBOARDS
- NOVELTY SIDING
- WIDE SIDING
- WOOD SHINGLES
- ASPHALT SHINGLES
- ASBESTOS SHINGLES
- ASPHALT BR. SIDING
- ASBESTOS BR. SIDING
- STUCCO ON FRAME
- STUCCO ON TILE
- SOLID COM. BRICK
- COM. BRICK ON TILE
- COM. BRICK VENEER
- FACE BR. ON TILE
- FACE BR. ON BR.
- FACE BR. VENEER
- SOLID STONE
- STONE ON TILE
- STONE ON BRICK
- STONE VENEER
- INSULATING LATH
- INSULATION
- WEATHERSTRIPPING

EXTERIOR TRIM

- ORNAMENTAL
- PLAIN
- HALF TIMBERED
- STEEL SASH

ROOFING

- ASPHALT SHINGLE
- WOOD SHINGLE
- ASBESTOS SHINGLE
- SLATE—STD. WT.
- SLATE—STD. WT. TEXT.
- SLATE—HEAVY TEXT.
- SHINGLE TILE
- SPANISH TILE
- METAL
- TAR & GRAVEL
- COMPOSITION
- ROLL ROOFING

ROOF TYPE

- GABLE
- HIP
- MANSARD
- GAMBREL
- FLAT

FLOORS

- CEMENT FLOOR BSMT.
- EARTH FLOOR BSMT.
- WOOD FLOOR BSMT.
- PINE 1st
- HARDWOOD 1st
- SINGLE FLOOR 1st
- PINE 2nd
- HARDWOOD 2nd
- SINGLE FLOOR 2nd
- PINE 3rd
- HARDWOOD 3rd
- SINGLE FLOOR 3rd
- PARQUET
- PIN PLANK
- TERRAZZO
- MARBLE
- COMPOSITION
- LINOLEUM
- TILE
- RUBBER TILE

FLOOR CONSTRUCTION

- WOOD JOISTS
- STEEL BEAMS
- REINFORCED CONCRETE
- MILL CONSTRUCTION

INTERIOR FINISH

	1ST	2ND	3RD
PINE			
HARDWOOD			
ENAMELED			
CHESTNUT			

- WALL BOARD
- MATCH BEAD
- PANELED HARDWOOD
- PANELED SOFTWOOD
- MARBLE
- ORNAMENTAL PLASTER
- L & O DECORATING
- UNFINISHED INTERIOR

ATTIC & BSMT. FINISH

- ATTIC FL. & STAIRS
- FIN. ATTIC AREA
- FIN. BSMT. AREA
- RECREATION RM. BSMT.
- GARAGE IN BSMT.

ROOMS

BSMT.	1ST
2ND	3RD

HEATING

- STEAM
- HOT WATER
- VAPOR
- AIR COND.
- HOT AIR
- PIPELESS FURNACE
- NO HEATING SYSTEM
- OIL BURNER ATTACHED
- OIL BURNING UNIT
- COAL STOKER
- GAS BOILER

FIREPLACES

- FIREPLACE STACKS
- FIREPLACES
- ARTIFICIAL FIREPLACE
- INCINERATOR

LIGHTING SYSTEM

- ELECTRIC
- GAS
- PRIVATE LTG. SYSTEM
- NO LTG. SYSTEM

PLUMBING SYSTEM

- BATHROOMS A
- BATHROOMS B
- BATHROOMS C
- STALL SHOWER BATH RM
- STALL SHOWER EXTRA
- TOILET ROOMS A
- TOILET ROOMS B
- WATER CLOSET EXTRA
- LAVATORY EXTRA
- SINK EXTRA
- URINAL
- TOTAL NO. FIXTURES
- AUTO. WATER HEATER
- SEPTIC TANK
- PRIVATE WATER SYSTEM
- ARTESIAN WELL
- WATER SOFTENER
- WATER ONLY
- NO PLUMBING

TILING

- BATH FL. & WAINSCOT
- BATH FL. & WALLS
- BATH FL. ONLY
- TOILET RM. FL. & WAINS
- TOILET RM. FL. & WALLS
- TOILET RM. FL. ONLY
- KITCHEN WAINSCOT
- KITCHEN WALLS
- KITCHEN WALLS & FL.

LOCATION

GOOD	FAIR	POOR

INCOME

TOTALS

	BLDG. No.
1938	
	TOTAL
	BLDG. No.
1939	
	TOTAL
	BLDG. No.
1940	
	TOTAL
	BLDG. No.
1941	
	TOTAL
	BLDG. No.
1942	
	TOTAL
	BLDG. No.
1943	
	TOTAL
	BLDG. No.
1944	
	TOTAL
	BLDG. No.
1945	
	TOTAL
	BLDG. No.
1946	
	TOTAL

GARAGE OR OUTBUILDINGS

FOUNDATION	FLOOR
CONCRETE	CONCRETE
MASONRY	EARTH
PIERS	WOOD
MISC. BLOCKING	

WALLS	ROOFING
SINGLE SIDING	COMPO. SHINGLE
DOUBLE SIDING	WOOD SHINGLE
WOOD SHINGLE	SLATE
COMPO. SHINGLE	TILE
ROLL ROOFING	ROLL ROOFING
	METAL
STUCCO ON FR.	
STUCCO ON TILE	BOX CORNICE
CONC. BLOCK	
SOLID COM. BR.	EXTRAS
FACE BR. VEN.	ELEC. LTG.
COM. BR. VEN.	HEATING
	WATER
STONE	PLUMBING FIXT.
METAL	
	FINISHED INT.
	LIVING ROOMS

SQUARE FT.	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

BASE PRICE		SF	
FOUNDATION		SF	
BSMT. AREA		SF	
WALL CONST.		SF	
INSULATION		SF	
WEATHER ST.		SF	
EXT. TRIM		SF	
ROOFING		SF	
FLOOR		SF	
FLOOR			INTERIOR FINISH
INT. FINISH			
INT. FINISH			OIL BURNER
ATTIC FL.			EXTRA BOILER
ATTIC FIN.			FIRE PLACES
BSMT. FIN.			PLUMBING
MULT. FAM.			
HEATING			TILING
LIGHTING			
TOTAL BASE		REPL. VALUE	

482 26

MAP Acreage

SECTION 3 BLOCK 13 LOT 13

LOCATION OF PROPERTY: Mamaroneck Ave

SPECIAL DISTRICTS

	PARK NO.	✓	GARBAGE NO. 1	M	SANITARY SEWER
✓	WATER NO. 2		SIDEWALK NO.		RYE BOND
✓	LIGHT NO. 3		SEWER NO.	✓	SCHOOL NO. 6
	FIRE NO.				

WATER	✓	LOW		DIRT STREET	
SEWER	✓	WOODLAND		GRAVEL OR EQUAL	✓
GAS	✓	ROCKY		HARD SURFACE	✓
ELECTRICITY	✓	HILLSIDE		NO STREET	
		SWAMPY		SIDEWALK	—
LEVEL		ROUGH		CURB & GUTTER	—
HIGH	✓				

REPUTED OWNER

23.93 Ac

Constantine Fill Corp
1 Liberty Street
New York, New York

Vac

TOWN OF HARRISON
AC 23.93 VAC

REMARKS

9/5/36 Stps $10.00

482 26

FRONTAGE FIGURED	AVERAGE DEPTH		UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE
5.5	Ac	@	4000				22000	5500	16500
5	Ac	@	3000				15000	3750	11250
4.5	Ac	@	2500				11250	2813	8437
8.93	Ac	@	2000				17860	4465	13395
									49582

SUMMARY

1937	LAND	61440
	BLDGS.	—
	TOTAL	61440
1938	LAND	49600
	BLDGS.	—
	TOTAL	49600
1939	LAND	49600
	BLDGS.	—
	TOTAL	49600
1940	LAND	49600
	BLDGS.	—
	TOTAL	49600
1941	LAND	49600
	BLDGS.	—
	TOTAL	49600
1942	LAND	49600
	BLDGS.	
	TOTAL	49600
1943	LAND	49600
	BLDGS.	—
	TOTAL	49600
1944	LAND	49600
	BLDGS.	—
	TOTAL	49600
1945	LAND	49600
	BLDGS.	—
	TOTAL	49600
1946	LAND	49600
	BLDGS.	—
	TOTAL	49600

THE J. M. CLEMINSHAW CO., APPRAISAL ENGINEERS, CLEVELAND — NEW YORK

BUILDING RECORD

BLDG. NO.	OCCUPANCY	CONSTRUCTION	SIZE	GRADE	AGE	REMODL'D	COND.	PHY. DEPR.	FUNCT. DEPR.	REPLACEMENT VALUE	PHYSICAL VALUE	SOUND VALUE

FOUNDATION

- CONC. WALLS
- CONC. BL. WALLS
- BRICK WALLS
- STONE WALLS
- BRICK ABOVE GRADE
- STONE ABOVE GRADE
- PIERS
- ROCK EXCAVATION

BASEMENT AREA

FULL BASEMENT

¼	½	¾

EXTERIOR WALLS

- CLAPBOARDS
- HOVELTY SIDING
- WIDE SIDING
- WOOD SHINGLES
- ASPHALT SHINGLES
- ASBESTOS SHINGLES
- ASPHALT BR. SIDING
- ASBESTOS BR. SIDING
- STUCCO ON FRAME
- STUCCO ON TILE
- SOLID COM. BRICK
- COM. BRICK ON TILE
- COM. BRICK VENEER
- FACE BR. ON TILE
- FACE BR. ON BR.
- FACE BR. VENEER
- SOLID STONE
- STONE ON TILE
- STONE ON BRICK
- STONE VENEER
- INSULATING LATH
- INSULATION
- WEATHERSTRIPPING

EXTERIOR TRIM

- ORNAMENTAL
- PLAIN
- HALF TIMBERED
- STEEL SASH

ROOFING

- ASPHALT SHINGLE
- WOOD SHINGLE
- ASBESTOS SHINGLE
- SLATE—STD. WT.
- SLATE—STD. WT. TEXT.
- SLATE—HEAVY TEXT.
- SHINGLE TILE
- SPANISH TILE
- METAL
- TAR & GRAVEL
- COMPOSITION
- ROLL ROOFING

ROOF TYPE

- GABLE
- HIP
- MANSARD
- GAMBREL
- FLAT

FLOORS

- CEMENT FLOOR BSMT.
- EARTH FLOOR BSMT.
- WOOD FLOOR BSMT.
- PINE 1st
- HARDWOOD 1st
- SINGLE FLOOR 1st
- PINE 2nd
- HARDWOOD 2nd
- SINGLE FLOOR 2nd
- PINE 3rd
- HARDWOOD 3rd
- SINGLE FLOOR 3rd
- PARQUET
- PIN PLANK
- TERRAZZO
- MARBLE
- COMPOSITION
- LINOLEUM
- TILE
- RUBBER TILE

FLOOR CONSTRUCTION

- WOOD JOISTS
- STEEL BEAMS
- REINFORCED CONCRETE
- MILL CONSTRUCTION

INTERIOR FINISH

	1st	2nd	3rd
PINE			
HARDWOOD			
ENAMELED			
CHESTNUT			

- WALL BOARD
- MATCH BEAD
- PANELED HARDWOOD
- PANELED SOFTWOOD
- MARBLE
- ORNAMENTAL PLASTER
- L & O DECORATING
- UNFINISHED INTERIOR

ATTIC & BSMT. FINISH

- ATTIC FL. & STAIRS
- FIN. ATTIC AREA
- FIN. BSMT. AREA
- RECREATION RM. BSMT.
- GARAGE IN BSMT.

ROOMS

BSMT.		1st
2nd		3rd

HEATING

- STEAM
- HOT WATER
- VAPOR
- AIR COND.
- HOT AIR
- PIPELESS FURNACE
- NO HEATING SYSTEM
- OIL BURNER ATTACHED
- OIL BURNING UNIT
- COAL STOKER
- GAS BOILER

FIREPLACES

- FIREPLACE STACKS
- FIREPLACES
- ARTIFICIAL FIREPLACE
- INCINERATOR

LIGHTING SYSTEM

- ELECTRIC
- GAS
- PRIVATE LTG. SYSTEM
- NO LTG. SYSTEM

PLUMBING SYSTEM

- BATHROOMS A
- BATHROOMS B
- BATHROOMS C
- STALL SHOWER BATH RM.
- STALL SHOWER EXTRA
- TOILET ROOMS A
- TOILET ROOMS B
- WATER CLOSET EXTRA
- LAVATORY EXTRA
- SINK EXTRA
- URINAL
- TOTAL No. FIXTURES
- AUTO. WATER HEATER
- SEPTIC TANK
- PRIVATE WATER SYSTEM
- ARTSIAN WELL
- WATER SOFTENER
- WATER ONLY
- NO PLUMBING

TILING

- BATH FL. & WAINSCOT
- BATH FL. & WALLS
- BATH FL. ONLY
- TOILET RM. FL. & WAINS
- TOILET RM. FL. & WALLS
- TOILET RM. FL. ONLY
- KITCHEN WAINSCOT
- KITCHEN WALLS
- KITCHEN WALLS & FL.

LOCATION

GOOD	FAIR	POOR

INCOME

TOTALS

1938	BLDG. NO.	
	TOTAL	
1939	BLDG. NO.	
	TOTAL	
1940	BLDG. NO.	
	TOTAL	
1941	BLDG. NO.	
	TOTAL	
1942	BLDG. NO.	
	TOTAL	
1943	BLDG. NO.	
	TOTAL	
1944	BLDG. NO.	
	TOTAL	
1945	BLDG. NO.	
	TOTAL	
1946	BLDG. NO.	
	TOTAL	

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR	
CONCRETE		CONCRETE	
MASONRY		EARTH	
PIERS		WOOD	
MISC. BLOCKING			
WALLS		**ROOFING**	
SINGLE SIDING		COMPO. SHINGLE	
DOUBLE SIDING		WOOD SHINGLE	
WOOD SHINGLE		SLATE	
COMPO. SHINGLE		TILE	
ROLL ROOFING		ROLL ROOFING	
		METAL	
STUCCO ON FR.			
STUCCO ON TILE		BOX CORNICE	
CONC. BLOCK		**EXTRAS**	
SOLID COM. BR.			
FACE BR. VEN.		ELEC. LTG.	
COM. BR. VEN.		HEATING	
		WATER	
STONE		PLUMBING FIXT.	
METAL			
		FINISHED INT.	
		LIVING ROOMS	

SQUARE FT.	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

BASE PRICE		SF	
FOUNDATION		SF	
BSMT. AREA		SF	
WALL CONST.		SF	
INSULATION		SF	
WEATHER ST.		SF	
EXT. TRIM		SF	
ROOFING		SF	
FLOOR		SF	
FLOOR			
		INTERIOR FINISH	
INT. FINISH			
INT. FINISH		OIL BURNER	
ATTIC FL.		EXTRA BOILER	
ATTIC FIN.		FIRE PLACES	
BSMT. FIN.		PLUMBING	
MULT. FAM.			
HEATING		TILING	
LIGHTING			
TOTAL BASE		REPL. VALUE	

GARDNER GAIL
AC 15.856 RES

GAIL GARDNER
139 W 56TH ST
NEW YORK N Y 3/24/32

GARDNER GAIL (8-9-25)
AC 18.066 RES

GAIL GARDNER
139 WEST 56TH ST
MANHATTAN N Y 5/31/35

GAIL GARDNER VAC.
204 CENTRAL PARK SO
NEW YORK N Y 9/37

GARDNER GAIL
AC 14.066 VAC

GAIL GARDNER
204 CENTRAL PARK SQ
NEW YORK N Y 11/8/37

SEC. 482 LOT 8

MAP Acreage
SEC. 3 BLK. 13 LOT 5
NO. ST.

SPECIAL DISTRICTS

PARK NO.	GARBAGE NO. 1	M	SANITARY SEWER
WATER NO. 2	SIDEWALK NO.		RYE BOND
LIGHT NO. 3	SEWER NO.		SCHOOL NO. 6

LAND VALUATION

REMARKS	BUILDINGS	DIMENSIONS	UNIT PRICE	DEPTH FACTOR	FRONT FOOT PRICE		SUMMARY
		7. ac	4000			28000	1930 LAND 49300
		8.92 "	3000			26760	BLDGS. 6900
		15.98				54,760	TOTAL 56200
	8550					54760	1931 LAND 49300
							BLDGS. 6900
							TOTAL RD 56200
3/24/32 - Deeded to Town (Winfield Av) 0.064 Ac 15.92 Former Less 0.064 = Ac. 15.856	8655	7.0 1.91 2.286 / 8.856 6.9 4.76 / 15.856	4000 / 3000	5000 / 4500 / 2500 / 1500	9550 / 10287 / 17250 / 7140 / 44227	~~28000~~ / ~~26560~~ / ~~54560~~	1932 LAND 39800 ~~49100~~
							BLDGS. 7800
							TOTAL 47600 ~~56900~~
	8655					44227	1933 LAND 39800
							BLDGS. 7800
							TOTAL 47600
	7789	2.216 / 4.760 / 6.900 / 1.910 / 15.856	4000 / 3000 / 2000 / 4000			9144 / 14280 / 15800 / 7640 / 44864	1934 LAND 44800
							BLDGS. 7800
							TOTAL 52700
5/31/35-area corrected by survey. For 1935 Lot 8 includes Lots 8-9-25.	7789	5.000 2.0 / 4.000 2.0 / 9.066 14.066 / 18.066 18.066	4000 / 3000 / 2000		8000 / 6000 / 28132 / 42132	20000 / 12000 / 18132 / 50132	1935 LAND 42130 ~~50130~~
							BLDGS. 6600 ~~7790~~
							TOTAL 48810 ~~57920~~
	6677					42132	1936 LAND 42130
							BLDGS. 6600
							TOTAL 48810
11/8/37 App'd T/B Res Ac. 4 trans to lot 70 (po 8)	6677	14.066 Ac.				29,530 ~~42132~~	1937 LAND 29,530 ~~42132~~
							BLDGS. ~~6600~~
							TOTAL 29,530 ~~42132~~
							1938 LAND
							BLDGS.
							TOTAL
							1939 LAND
							BLDGS.
							TOTAL
							1940 LAND
							BLDGS.
							TOTAL

TB.

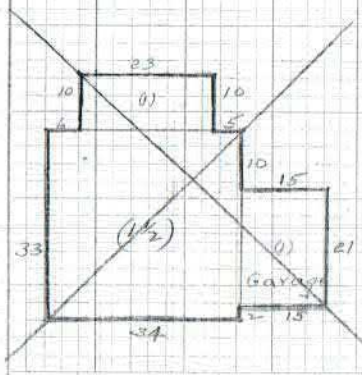
ASSESSMENT RECORD TOWN OF HARRISON WESTCHESTER COUNTY, NEW YORK

21-Lindner Bureau Div., Remington Rand, Inc. BP. 7688

TRANSFERRED TO BLOCK - 482

LOT - 70

DIMENSIONS	TOTAL
23 × 10 × 1	230
34 × 33 × 1½	1683
15 × 21 × 1	315



USE	1931-1933	1936-1940
✓ RESIDENCE		
APARTMENT		
BUSINESS		
CONSTRUCTION		
✓ WOOD FRAME		
STEEL FRAME		
MASONRY		
FOUNDATIONS		
BRICK		
✓ STONE		
CONCRETE	1934	
BASEMENT		
✓ NONE		
PART		
FULL	1934	
FINISHED		
FLOORS		
✓ WOOD JOIST	1935	
STEEL BEAMS		
FLOORING		
✓ PINE		
✓ HARDWOOD		
EXTERIOR TRIM		
✓ PLAIN		
ORNAMENTAL		
EXTERIOR WALLS		
WEATHER BOARD		
BRICK		
STUCCO		
STONE		
✓ SHINGLE		
INTERIOR FINISH		
✓ PLASTER		
WALL BOARD		
PANELLED		
ROOF		
GABLE		
HIP		
FLAT		
GAMBREL		
ROOFING		
✓ SHINGLE		
COMPOSITION		
SLATE		
METAL		
TILE		
TAR & GRAVEL		
HEATING		
STOVES		
HOT AIR		
✓ HOT WATER		
STEAM		
LIGHTING		
GAS		
✓ ELECTRIC		
PLUMBING		
✓ TOILETS		
FIXTURES		
✓ LAUNDRY		
MISCELLANEOUS		
KITCHEN		
✓ FIRE PLACES		
✓ CHIMNEYS		
10 ROOMS		

BUILT	AREA	UNIT	NEW COST	1930--	% 1931-33	% 1936-40
1912	228	[illegible]	1-36	[illegible]	[illegible]	[illegible]
RE-APPRAISED						

GARAGE-SHED						

DIMENSIONS	TOTAL

BUILT	AREA	UNIT	NEW COST	1930--	% 1931-33	% 1936-40
RE-APPRAISED						

	1931-1933	1936-1940
	84	
	85	
	285	
	1645	
	856	
	7789	
	7419	
	7 42	
	6677	
	6677	

60.

LEVY DAVID
AC 23.93 VAC

DAVID LEVY
36 W 44TH ST
NEW YORK N Y

WALTER H LIEBMAN JR
60 EAST 42ND ST
NEW YORK N Y 12/19/32

LORENA C LAMBERT 1/16/36

MIDDLETOWN NEW JERSEY

CONSTANTINE FILL CORP
1 LIBERTY ST
NEW YORK N Y 9/5/36

BLK. 482 LOT 26
MAP Acreage
SEC. 3 BLK. 13 LOT 13
NO. ST.

SPECIAL DISTRICTS
PARK NO. | GARBAGE NO. 1 | M | SANITARY SEWER
WATER NO. 2 | SIDEWALK NO. | RYE BOND
LIGHT NO. 3 | SEWER NO. | SCHOOL NO. 6

LAND VALUATION

REMARKS	BUILDINGS	DIMENSIONS	UNIT PRICE	DEPTH FACTOR	FRONT FOOT PRICE		SUMMARY
		11.0 Ac.	5000			55,000	1930 LAND 6700
		12.93 "	1500			19,395	BLDGS. —
						74395	TOTAL 6700
						74395	1931 LAND 6700
							BLDGS. —
							TOTAL 6700
		~~11.0~~ 9.91	~~5000~~	5000 =	49550	~~55000~~	1932 LAND 63600
		~~12.93~~ 7.94	~~2000~~	2500 =	19850	~~38790~~	BR. ~~8450~~
		6.08		1500 =	9120	~~93790~~	BLDGS. —
		Less 10% = Dump.			78520		TOTAL 63600
					7852	70668	~~8450~~
11/16/32 -Stps $10. - Mtg.$22,500	VACANT					70668	1933 LAND 6360
							BLDGS. BR
							TOTAL 63600
	VACANT	9.91	x 4000		76800	37640	1934 LAND 65700
		6.08	3500		21280		BLDGS. —
		7.94	x 2000		15880		TOTAL 65700
		23.93 x Less 20%		11100		76800	
						76800	1935 LAND 7680
							BLDGS. —
							TOTAL 7680
1/16/36-Stps $2.00-Mtg $22,500.	VACANT					76800	1936 LAND 61440
		Less 20% % Dump.				15360	BR.
						61440	BLDGS. —
							TOTAL 76800
9/5/36-Stps $10.00	Vacant					61440	1937 LAND 61440
							BLDGS. —
							TOTAL 61440
							1938 LAND
							BLDGS.
							TOTAL
							1939 LAND
							BLDGS.
							TOTAL
							1940 LAND
							BLDGS.
							TOTAL

ASSESSMENT RECORD TOWN OF HARRISON WESTCHESTER COUNTY, NEW YORK

21- Library Bureau Div., Remington Rand, Inc. BP. 7680

DIMENSIONS		TOTAL
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	

BUILT	AREA	UNIT	NEW COST	1930	%	1931-35	%	1935-40	%
RE-APPRAISED									
GARAGE-SHED									

DIMENSIONS		TOTAL
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	
X	X	

BUILT	AREA	UNIT	NEW COST	1930	%	1931-35	%	1936-40	%
RE-APPRAISED									

USE	1931-1935	1936-1940
RESIDENCE		
APARTMENT		
BUSINESS		
CONSTRUCTION		
WOOD FRAME		
STEEL FRAME		
MASONRY		
FOUNDATIONS		
BRICK		
STONE		
CONCRETE		
BASEMENT		
NONE		
PART		
FULL		
FINISHED		
FLOORS		
WOOD JOIST		
STEEL BEAMS		
FLOORING		
PINE		
HARDWOOD		
EXTERIOR TRIM		
PLAIN		
ORNAMENTAL		
EXTERIOR WALLS		
WEATHER BOARD		
BRICK		
STUCCO		
STONE		
INTERIOR FINISH		
PLASTER		
WALL BOARD		
PANELLED		
ROOF		
GABLE		
HIP		
FLAT		
GAMBREL		
ROOFING		
SHINGLE		
COMPOSITION		
SLATE		
METAL		
TILE		
TAR & GRAVEL		
HEATING		
STOVES		
HOT AIR		
HOT WATER		
STEAM		
LIGHTING		
GAS		
ELECTRIC		
PLUMBING		
NONE		
SEWERS		
TOILETS		
FIXTURES		
LAUNDRY		
BATHROOMS		
MISCELLANEOUS		
PORCHES		
FIREPLACES		
ELEVATORS		
ROOMS		

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

March 28, 2022

Records Access Officer
Westchester County Environmental Facilities
145 Huguenot Street, 7th Floor
New Rochelle, NY 10801

Re: Freedom of Information Request

To whom it may concern:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

500-520 Mamaroneck Avenue
Town of Harrison, Westchester County, New York
Owner: ESRT 500 Mamaroneck
Tax Parcel ID: 552801 0482.-8

This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs).

We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

Francis, Skylar

From: FOIL-DEF <FOIL-DEF@westchestergov.com>
Sent: Tuesday, March 29, 2022 12:36 PM
To: Francis, Skylar
Subject: Re: Foil Request

Good afternoon Skylar,

This is in response to your Freedom of Information Law Request received by the Department of Environmental Facilities (DEF) via email on March 28,2022, requesting:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Avenue Town of Harrison, Westchester County, New York Owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.-8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require. Please let us know if you can accommodate this request in an expedient manner. Please email if you have any questions. Very truly yours, Bergmann SKYLAR J. FRANCIS Assistant Project Manager sfrancis@bergmannpc.com

Please be advised that after a diligent search, I certify that no documents responsive to your request are in possession of the Department of Environmental Facilities. You may want to consider contacting the local municipality or Westchester County Health Department as they may be in possession of some of the records you are seeking.

Any appeal from the foregoing determination should be addressed to:
FOIL-Appeals@westchestergov.com

Very truly yours,
Records Access Officer

From: Skylar J Francis <sfrancis@bergmannpc.com>
Sent: Monday, March 28, 2022 1:37 PM
To: FOIL-DEF
Subject: Foil Request

Information is being requested of: **FOIL-DEF@westchestergov.com.**
Individual or organization requesting the information:
Name: **Skylar J Francis**
Street Address: **280 East Broad Street, Suite 200**

City: **Rochester**
State: **NY**
Zip: **14604**
E-mail address: **sfrancis@bergmannpc.com**
Comments and request explained:
Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Avenue Town of Harrison, Westchester County, New York Owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.-8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require. Please let us know if you can accommodate this request in an expedient manner. Please email if you have any questions. Very truly yours, Bergmann SKYLAR J. FRANCIS Assistant Project Manager sfrancis@bergmannpc.com

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

April 5, 2022

Records Access Officer
Westchester County Department of Health
145 Huguenot Street, 7th Floor
New Rochelle, NY 10801

Re: Freedom of Information Request

To whom it may concern:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

500-520 Mamaroneck Avenue
Town of Harrison, Westchester County, New York
Owner: ESRT 500 Mamaroneck
Tax Parcel ID: 552801 0482.-8

This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs).

We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

Francis, Skylar

From: FOIL-DOH <FOIL-DOH@westchestergov.com>
Sent: Wednesday, April 20, 2022 10:17 AM
To: Francis, Skylar
Subject: WCDOH RECORD REQUEST ACKNOWLEDGEMENT 22-325

[Caution] External Origin. Do not click links/open attachments unless you know the content is safe.

Skylar Francis

sfrancis@bergmannpc.com

WCDOH RECORD REQUEST ACKNOWLEDGEMENT 22-325

This is to acknowledge receipt of your Freedom of Information request for records received here on **April 6, 2022** regarding:

- 500 Mamaroneck Ave. - Harrison, NY

Your request has been assigned this number: 22-325

Although we anticipate providing any records responsive to your request on 5/11/22 *However due to the Pandemic and WCDOH Staffing priority for Covid19 deployment assignments, requests will be taking additional time for responses. Perhaps anywhere between 30 to 60 days. This will remain in effect until further notice as Foil is diligently working to send responses in a timely fashion. Thank You for your patience during this time. - Tonia*

We will contact you when your records are ready.

If you need to communicate with us, please reference the request number indicated above when you email us at FOIL-DOH@WESTCHESTERGOV.COM

Thank You,

Records Request Division on behalf of

Caren Halbfinger
FOIL Officer

APPENDIX G:

EDR DATABASE SEARCH REPORT

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6602268.2s
August 02, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-17
Physical Setting Source Map Findings	A-19
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

500 MAMARONECK AVE
HARRISON, NY 10528

COORDINATES

Latitude (North):	40.9772880 - 40˚ 58' 38.23''
Longitude (West):	73.7405650 - 73˚ 44' 26.03''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	605960.8
UTM Y (Meters):	4536787.5
Elevation:	130 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5940545 MAMARONECK, NY
Version Date:	2013
Southwest Map:	5940557 MOUNT VERNON, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522, 20150624
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
500 MAMARONECK AVE
HARRISON, NY 10528

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		500 MAMARONECK AVE.	NY COOLING TOWERS		TP
A2	B2E BIOTECH LLC	500 MAMARONECK AVENU	SSTS		TP
A3	HARTZ B2E	500 MAMARONECK AVE	FINDS		TP
A4	HARTZ-B2E LLC	500 MAMARONECK AVENU	SSTS		TP
A5	EMPIRE STATE REALTY	500 MAMARONECK AVENU	NY UST		TP
A6	500 MAMARONECK AVENU	500 MAMARONECK AVENU	NY ENG CONTROLS, NY INST CONTROL, NY VCP, NY...		TP
A7	B2E CORP	500 MAMARONECK AVE	SSTS		TP
B8	ON THE ROADWAY	550 MAMARONECK AVE	NY Spills	Lower	15, 0.003, WNW
B9	BROADWAY REAL ESTATE	550 MAMARONECK AVE	RCRA-VSQG, FINDS, ECHO, NJ MANIFEST, NY MANIFEST	Lower	15, 0.003, WNW
B10	SAXON WOODS CORPORAT	550 - 600 MAMARONECK	NY UST	Lower	15, 0.003, WNW
C11	CLUNE PC - 550 UST	480 MAMARONECK AVE	NY Spills	Lower	53, 0.010, SW
C12	CLUNE PC - 1 K UST	480 MAMARONECK AVE	NY Spills	Lower	53, 0.010, SW
13	RESIDENCE	41 WINDFIELD AVE	NY Spills	Lower	60, 0.011, ESE
14	SUEANN MILES	25 WINDFIELD	NY LTANKS	Lower	185, 0.035, ENE
15	CON EDISON	550 MAMARONECK AVE &	RCRA NonGen / NLR, NY MANIFEST, NJ MANIFEST	Lower	293, 0.055, NNW
16	NYSDOT BIN 5523361	RTE 907 W OVER MAMAR	RCRA NonGen / NLR	Lower	363, 0.069, NW
D17	CON EDISON	7 GLEN DR	RCRA NonGen / NLR, FINDS, ECHO	Lower	400, 0.076, SE
D18	CON EDISON	7 GLEN DR	NJ MANIFEST	Lower	400, 0.076, SE
D19	CON EDISON	7 GLEN DR	NY MANIFEST	Lower	400, 0.076, SE
E20	CON EDISON	240 UNION AV	NY MANIFEST	Higher	458, 0.087, NNE
F21	CON EDISON	270 UNION AVE FRONT	RCRA NonGen / NLR, FINDS, ECHO	Higher	465, 0.088, North
F22	CON EDISON	270 UNION AVE FRONT	RCRA NonGen / NLR	Higher	465, 0.088, North
F23	CON EDISON	270 UNION AVE FRONT	NJ MANIFEST	Higher	465, 0.088, North
F24	CON EDISON	270 UNION AVE FRONT	NJ MANIFEST	Higher	465, 0.088, North
F25	CON EDISON	270 UNION AVE FRONT	NY MANIFEST	Higher	465, 0.088, North
F26	CON EDISON	270 UNION AVE FRONT	PA MANIFEST	Higher	465, 0.088, North
27	RESIDENCE	19 WINFIELD AVE	NY LTANKS	Lower	490, 0.093, East
G28	NEWMAN - AST	598 WEST STREET	NY Spills	Higher	491, 0.093, East
E29	RUBIN - TTF	244 UNION AVE	NY LTANKS	Higher	492, 0.093, NNE
E30	MCSORELY HOME	236 UNION AVE	NY Spills	Higher	500, 0.095, NE
F31	STELLA RESIDENCE	252 UNION AVE	NY Spills	Higher	505, 0.096, NNE
G32	LOMBARDI RESIDENCE	599 WEST STREET	NY LTANKS	Higher	512, 0.097, East
H33	SCHUENKE RESIDENCE	580 WEST STREET	NY UST	Higher	522, 0.099, East
H34	MARSHALL RESIDENCE	585 WEST ST	NY LTANKS	Higher	548, 0.104, East
G35	PRIVATE DWELLING	607 WEST STREET	NY LTANKS	Higher	560, 0.106, East
F36	CON ED HARRISON SUBS	295 UNION AVE	NY Spills	Lower	607, 0.115, North
F37	HARRISON CSD - HARRI	255 UNION AVE	RCRA-VSQG, FTTS	Lower	607, 0.115, North
F38	HARRISON HIGH SCHOOL	295 UNION AVE	NY Spills, NY MANIFEST	Lower	607, 0.115, North
F39	CON ED SUB STATION	295 UNION ED	NY Spills	Lower	607, 0.115, North

MAPPED SITES SUMMARY

Target Property Address:
500 MAMARONECK AVE
HARRISON, NY 10528

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	CON EDISON	295 UNION AVE	PA MANIFEST	Lower	607, 0.115, North
F41	CON EDISON - HARRISO	295 UNION AVE	RCRA-SQG, NY MANIFEST, NJ MANIFEST	Lower	607, 0.115, North
I42	ADLER - UST	232 UNION AVE	NY Spills	Higher	659, 0.125, NE
J43	BROADWAY REAL ESTATE	600 MAMARONECK AVE	RCRA-VSQG, FINDS, ECHO, NJ MANIFEST	Lower	755, 0.143, NNW
J44	MENDIK REALITY	600 MAMARONECK AVE -	NY LTANKS, NY MANIFEST	Lower	755, 0.143, NNW
45	CON EDISON	9 WINFIELD AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	774, 0.147, ENE
K46	CON ED - V 5471	450 MAMARONECK AVE /	RCRA NonGen / NLR, NY MANIFEST	Lower	821, 0.155, SSW
K47	450 MAMARONECK AVENU	450 MAMARONECK AVENU	NY AST	Lower	821, 0.155, SSW
I48	HARRISON HIGH SCHOOL	255 UNION AVENUE	NY UST	Higher	871, 0.165, NE
I49	REAL ESTATE - TTF	228 UNION AVE	NY LTANKS	Higher	886, 0.168, NE
L50	SPILL NUMBER 9908460	49 WINDFIELD RD	NY LTANKS	Lower	916, 0.173, SE
51	CON EDISON POLE: W44	50 WEST ST & CENTURY	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	960, 0.182, ESE
M52	CON EDISON	226 UNION AV WEST ST	NY MANIFEST	Higher	999, 0.189, NE
M53	RESIDENCE	226 UNION AVE	NY LTANKS	Higher	999, 0.189, NE
54	LAZARUS	627 WEST ST	NY LTANKS	Higher	1055, 0.200, ENE
L55	BROWN RESIDENCE	53 WINFIELD AVE	NY LTANKS	Lower	1077, 0.204, SE
N56	CON EDISON	UNION AVE & MAMARONE	RCRA NonGen / NLR, NY MANIFEST, NJ MANIFEST	Lower	1146, 0.217, NNW
N57	CONSOLIDATED EDISON	MAMARONECK & UNION	NY MANIFEST	Lower	1157, 0.219, NNW
M58	HARRISON CENTRAL SCH	UNION AVE & WEST ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1176, 0.223, NE
M59	CON EDISON VAULT: 17	WEST ST & UNION AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1191, 0.226, NE
O60	CON EDISON	23 ROLLING HILLS LN	RCRA NonGen / NLR, NY MANIFEST	Higher	1290, 0.244, East
O61	RESIDENCE	23 ROLLING HILLS LAN	NY LTANKS, NY Spills	Higher	1290, 0.244, East
62	LOWENTHAL RESIDENCE	222 UNION AVE	NY LTANKS	Higher	1405, 0.266, NE
63	POLE 16	45 CENTURY TRAIL RD	NY LTANKS, NY Spills	Higher	1430, 0.271, ESE
64	ZUCKER	11 CRICKLEWOOD LA	NY LTANKS	Lower	1557, 0.295, SE
P65	BOHN - TTF (POOL TAN	225 UNION AVE	NY LTANKS	Higher	1787, 0.338, ENE
P66	BINDER - TTF	225 UNION AVE	NY LTANKS	Higher	1787, 0.338, ENE
Q67	SPILL NUMBER 0302418	30 STONEWALL LANE	NY LTANKS, NY Spills	Higher	1912, 0.362, West
Q68	SPILL NUMBER 0310047	25 STONEWALL LANE	NY LTANKS	Higher	1916, 0.363, WSW
R69	16 FAIRWAY DRIVE	16 FAIRWAY DRIVE	NY LTANKS	Higher	2033, 0.385, WSW
R70	SPILL NUMBER 0007985	3 BOBBY CLOSE	NY LTANKS	Higher	2034, 0.385, WSW
S71	PVT DWELLING	36 CENTURY TRAIL	NY LTANKS	Lower	2043, 0.387, East
R72	SPILL NUMBER 0012648	21 FAIRWAY DR	NY LTANKS	Higher	2046, 0.387, WSW
R73	MENDELSON RESIDENCE	14 FAIRWAY DRIVE	NY LTANKS	Higher	2049, 0.388, WSW
R74	ABRAHAM RESIDENCE	4 BOBBY CLOSE	NY LTANKS	Higher	2070, 0.392, WSW
75	GOLDSTEIN HOME	6 PALMA DRIVE	NY LTANKS	Lower	2088, 0.395, ESE
76	MERVINE RESIDENCE	18 BRAXMAR DRIVE SOU	NY LTANKS	Lower	2101, 0.398, SSE
Q77	TTF	26 STONEWALL LANE	NY LTANKS	Higher	2120, 0.402, WSW
78	RESIDENCE	210 UNION AVE	NY LTANKS	Higher	2136, 0.405, ENE

MAPPED SITES SUMMARY

Target Property Address:
500 MAMARONECK AVE
HARRISON, NY 10528

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	FIELDS RESIDENCE	28 STONEWALL LANE	NY LTANKS	Higher	2184, 0.414, West
80	GEISMAR - SEIDEN RES	87 WINFIELD AVE	NY LTANKS	Lower	2205, 0.418, SSE
R81	SPILL NUMBER 0201855	12 FAIRWAY DRIVE	NY LTANKS	Higher	2206, 0.418, WSW
S82	CHESKIS RESIDENCE	34 CENTURY TRAIL	NY LTANKS, NY Spills	Lower	2218, 0.420, East
83	ALBILIA RESIDENCE	37 ROLLING HILLS LAN	NY LTANKS	Lower	2227, 0.422, ESE
S84	QUITTEL / REAL ESTAT	35 CENTURY TRAIL	NY LTANKS	Lower	2228, 0.422, East
85	RESIDENTIAL - TTF	5 CENTURY TRAIL	NY LTANKS	Higher	2275, 0.431, ENE
86	NYS DOT	PURDY AVE	NY LTANKS	Lower	2275, 0.431, North
T87	SPILL NUMBER 0110714	9 FAIRWAY DRIVE	NY LTANKS	Higher	2403, 0.455, WSW
88	MENTA RESIDENCE	15 STONEWALL LANE	NY LTANKS	Higher	2418, 0.458, WSW
T89	MRS MALCOLM	3 BARNWALL LANE	NY LTANKS, NY Spills	Higher	2427, 0.460, WSW
90	RESIDENCE	395 WEST ST	NY LTANKS	Lower	2496, 0.473, SE
91	FELLER - TTF	189 UNION AVE	NY LTANKS	Higher	2525, 0.478, ENE
U92	BRENNAN RESIDENCE	30 DORIS LANE	NY LTANKS	Higher	2530, 0.479, SW
93	WHITE PLAINS MAINTEN	51 PURDY AVE	NY LTANKS, NY Spills, NY SPDES	Lower	2537, 0.480, NNW
94	FRANCO RESIDENCE	1 LOVE LANE	NY LTANKS	Lower	2539, 0.481, NNE
U95	PRAVADA RESIDENCE	29 DORIS LANE	NY LTANKS	Higher	2573, 0.487, SW
U96	TTF W/ CONTAMIN	16 DORIS LANE	NY LTANKS	Higher	2573, 0.487, SW
U97	RESIDENTIAL TTF	12 DORIS LANE	NY LTANKS	Higher	2580, 0.489, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
500 MAMARONECK AVE. 500 MAMARONECK AVE. HARRISON, NY 10528	NY COOLING TOWERS	N/A
B2E BIOTECH LLC 500 MAMARONECK AVENU HARRISON, NY 10528	SSTS Registration Number:: 075318-NY-001	N/A
HARTZ B2E 500 MAMARONECK AVE HARRISON, NY 10528	FINDS Registry ID:: 110015741900	N/A
HARTZ-B2E LLC 500 MAMARONECK AVENU HARRISON, NY 10528	SSTS Registration Number:: 074032-NY-001	N/A
EMPIRE STATE REALTY 500 MAMARONECK AVENU HARRISON, NY 10528	NY UST Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021 Status: 1. In-Service Id/Status:: 3-466042 Site Status: Active	N/A
500 MAMARONECK AVENU 500 MAMARONECK AVENU HARRISON, NY 10528	NY ENG CONTROLS Site Code: 58831 NY INST CONTROL Site Code: 58831 NY VCP Database: VCP, Date of Government Version: 05/10/2021 Site Code: 58831 NY BROWNFIELDS Site Code: 58430 NY Spills Spill Number/Closed Date: 9708600 / 1997-10-23 Site ID: 118813 Spill Date: 1997-10-22	N/A
B2E CORP 500 MAMARONECK AVE HARRISON, NY 10528	SSTS Registration Number:: 069554NY001	N/A

EXECUTIVE SUMMARY

Registration Number:: 069554-NY-001

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

NY SHWS..... Inactive Hazardous Waste Disposal Sites in New York State

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF..... Facility Register

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS..... Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
NY CBS UST..... Chemical Bulk Storage Database
NY MOSF UST..... Major Oil Storage Facilities Database
NY CBS..... Chemical Bulk Storage Site Listing
NY MOSF..... Major Oil Storage Facility Site Listing
NY CBS AST..... Chemical Bulk Storage Database
NY MOSF AST..... Major Oil Storage Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land
NY TANKS..... Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

NY RES DECL..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWRCY..... Registered Recycling Facility List
NY SWTIRE..... Registered Waste Tire Storage & Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

NY DEL SHWS ..... Delisted Registry Sites
US CDL ..... National Clandestine Laboratory Register
NY PFAS ..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

NY HIST UST ..... Historical Petroleum Bulk Storage Database
NY HIST AST ..... Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ..... Spill Liens Information
LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
US AIRS ..... Aerometric Information Retrieval System Facility Subsystem
US MINES ..... Mines Master Index File
ABANDONED MINES ..... Abandoned Mines
DOCKET HWC ..... Hazardous Waste Compliance Docket Listing
UXO ..... Unexploded Ordnance Sites
FUELS PROGRAM ..... EPA Fuels Program Registered Listing

EXECUTIVE SUMMARY

NY AIRS ..... Air Emissions Data
NY COAL ASH ..... Coal Ash Disposal Site Listing
NY DRYCLEANERS ..... Registered Drycleaners
NY E DESIGNATION ..... E DESIGNATION SITE LISTING
NY Financial Assurance ..... Financial Assurance Information Listing
NY HSWDS ..... Hazardous Substance Waste Disposal Site Inventory
NY VAPOR REOPENED ..... Vapor Intrusion Legacy Site List
NY UIC ..... Underground Injection Control Wells
NY LEAD ..... Lead-based Paint Testing Results
MINES MRDS ..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS ..... Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF ..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1

RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - HARRISO EPA ID:: NYR000149716	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F41***	***91***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 3 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROADWAY REAL ESTATE EPA ID:: NY0000878637	***550 MAMARONECK AVE***	***WNW 0 - 1/8 (0.003 mi.)***	***B9***	***25***
HARRISON CSD - HARRI EPA ID:: NYR000076356	***255 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F37***	***75***
BROADWAY REAL ESTATE EPA ID:: NY0000878652	***600 MAMARONECK AVE***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J43***	***100***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 02/09/2021 has revealed that there are 49 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RUBIN - TTF Spill Number/Closed Date: 1405584 / 2014-12-22 Site ID: 499017 Spill Date: 2014-08-21	244 UNION AVE	NNE 0 - 1/8 (0.093 mi.)	E29	66
LOMBARDI RESIDENCE Spill Number/Closed Date: 0602291 / 2006-07-30 Site ID: 364733 Spill Date: 2006-05-31	599 WEST STREET	E 0 - 1/8 (0.097 mi.)	G32	70
MARSHALL RESIDENCE Spill Number/Closed Date: 9904481 / 1999-09-02 Site ID: 139302 Spill Date: 1999-07-15	585 WEST ST	E 0 - 1/8 (0.104 mi.)	H34	71
PRIVATE DWELLING	607 WEST STREET	E 0 - 1/8 (0.106 mi.)	G35	72

Spill Number/Closed Date: 0710639 / 2008-04-21 Site ID: 391965 Spill Date: 2008-01-08				
REAL ESTATE - TTF Spill Number/Closed Date: 1505635 / Not Reported Site ID: 513013 Spill Date: 2015-08-25	228 UNION AVE	NE 1/8 - 1/4 (0.168 mi.)	I49	117
RESIDENCE Spill Number/Closed Date: 0009722 / 2005-04-10 Site ID: 143793 Spill Date: 2000-11-24	226 UNION AVE	NE 1/8 - 1/4 (0.189 mi.)	M53	125
LAZARUS Spill Number/Closed Date: 9808846 / 1998-11-04 Site ID: 186305 Spill Date: 1998-10-15	627 WEST ST	ENE 1/8 - 1/4 (0.200 mi.)	54	127
RESIDENCE Spill Number/Closed Date: 9615054 / 1997-11-10 Site ID: 292969 Spill Date: 1997-03-31	***23 ROLLING HILLS LAN***	***E 1/8 - 1/4 (0.244 mi.)***	***O61***	***147***
LOWENTHAL RESIDENCE Spill Number/Closed Date: 0304298 / 2003-11-18 Site ID: 278541 Spill Date: 2003-07-23	222 UNION AVE	NE 1/4 - 1/2 (0.266 mi.)	62	149
POLE 16 Spill Number/Closed Date: 0306739 / 2003-12-01 Site ID: 208637 Spill Date: 2003-09-25	***45 CENTURY TRAIL RD***	***ESE 1/4 - 1/2 (0.271 mi.)***	***63***	***150***
BOHN - TTF (POOL TAN Spill Number/Closed Date: 1509092 / 2016-12-12 Site ID: 517697 Spill Date: 2015-12-07	225 UNION AVE	ENE 1/4 - 1/2 (0.338 mi.)	P65	154
BINDER - TTF Spill Number/Closed Date: 0100024 / 2001-06-19 Spill Number/Closed Date: 1100743 / 2016-12-12 Site ID: 227125 Site ID: 448171 Spill Date: 2001-04-02 Spill Date: 2011-04-14	225 UNION AVE	ENE 1/4 - 1/2 (0.338 mi.)	P66	155
SPILL NUMBER 0302418 Spill Number/Closed Date: 0302418 / 2003-10-23 Site ID: 86870 Spill Date: 2003-06-06	***30 STONEWALL LANE***	***W 1/4 - 1/2 (0.362 mi.)***	***Q67***	***158***
SPILL NUMBER 0310047 Spill Number/Closed Date: 0310047 / 2004-09-09 Site ID: 331462 Spill Date: 2003-11-26	25 STONEWALL LANE	WSW 1/4 - 1/2 (0.363 mi.)	Q68	161
16 FAIRWAY DRIVE Spill Number/Closed Date: 0207106 / 2003-02-19 Site ID: 325410 Spill Date: 2002-10-09	16 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.385 mi.)	R69	162
SPILL NUMBER 0007985	3 BOBBY CLOSE	WSW 1/4 - 1/2 (0.385 mi.)	R70	163

Spill Number/Closed Date: 0007985 / 2001-01-23 Site ID: 193628 Spill Date: 2000-10-06				
SPILL NUMBER 0012648 Spill Number/Closed Date: 0012648 / 2001-06-26 Site ID: 222362 Spill Date: 2001-02-27	21 FAIRWAY DR	WSW 1/4 - 1/2 (0.387 mi.)	R72	165
MENDELSON RESIDENCE Spill Number/Closed Date: 9011575 / 1991-02-06 Site ID: 307297 Spill Date: 1991-02-04	14 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.388 mi.)	R73	166
ABRAHAM RESIDENCE Spill Number/Closed Date: 0607824 / 2007-03-23 Site ID: 371644 Spill Date: 2006-10-10	4 BOBBY CLOSE	WSW 1/4 - 1/2 (0.392 mi.)	R74	168
TTF Spill Number/Closed Date: 1304672 / 2013-11-19 Site ID: 485206 Spill Date: 2013-07-29	26 STONEWALL LANE	WSW 1/4 - 1/2 (0.402 mi.)	Q77	171
RESIDENCE Spill Number/Closed Date: 0000678 / 2000-07-27 Site ID: 117298 Spill Date: 2000-04-17	210 UNION AVE	ENE 1/4 - 1/2 (0.405 mi.)	78	172
FIELDS RESIDENCE Spill Number/Closed Date: 0307225 / 2004-02-02 Site ID: 146551 Spill Date: 2003-10-09	28 STONEWALL LANE	W 1/4 - 1/2 (0.414 mi.)	79	174
SPILL NUMBER 0201855 Spill Number/Closed Date: 0201855 / 2003-01-28 Site ID: 227808 Spill Date: 2002-05-20	12 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.418 mi.)	R81	176
RESIDENTIAL - TTF Spill Number/Closed Date: 1603305 / 2016-08-16 Site ID: 529759 Spill Date: 2016-07-06	5 CENTURY TRAIL	ENE 1/4 - 1/2 (0.431 mi.)	85	182
SPILL NUMBER 0110714 Spill Number/Closed Date: 0110714 / 2002-02-27 Site ID: 150910 Spill Date: 2002-02-08	9 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.455 mi.)	T87	186
MENTA RESIDENCE Spill Number/Closed Date: 0800586 / 2008-05-28 Site ID: 396362 Spill Date: 2008-04-15	15 STONEWALL LANE	WSW 1/4 - 1/2 (0.458 mi.)	88	187
MRS MALCOLM Spill Number/Closed Date: 1100709 / 2011-06-07 Site ID: 448126 Spill Date: 2011-04-20	***3 BARNWALL LANE***	***WSW 1/4 - 1/2 (0.460 mi.)***	***T89***	***189***
FELLER - TTF Spill Number/Closed Date: 1512409 / 2016-08-01 Site ID: 525225 Spill Date: 2016-03-30	189 UNION AVE	ENE 1/4 - 1/2 (0.478 mi.)	91	194
BRENNAN RESIDENCE	30 DORIS LANE	SW 1/4 - 1/2 (0.479 mi.)	U92	195

Spill Number/Closed Date: 0509566 / 2006-02-07
Site ID: 355360
Spill Date: 2005-11-09

PRAVADA RESIDENCE Spill Number/Closed Date: 9903093 / 1999-07-27 Spill Number/Closed Date: 9902790 / 1999-07-27 Site ID: 302911 Site ID: 264066 Spill Date: 1999-06-03 Spill Date: 1999-06-10	29 DORIS LANE	SW 1/4 - 1/2 (0.487 mi.)	U95	202
TTF W/ CONTAMIN Spill Number/Closed Date: 0609513 / 2015-08-20 Site ID: 373827 Spill Date: 2006-11-17	16 DORIS LANE	SW 1/4 - 1/2 (0.487 mi.)	U96	205
RESIDENTIAL TTF Spill Number/Closed Date: 0208288 / 2012-08-13 Site ID: 151156 Spill Date: 2002-11-11	12 DORIS LANE	SW 1/4 - 1/2 (0.489 mi.)	U97	206

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUEANN MILES Spill Number/Closed Date: 0002062 / 2000-10-16 Site ID: 77533 Spill Date: 2000-05-18	25 WINDFIELD	ENE 0 - 1/8 (0.035 mi.)	14	38
RESIDENCE Spill Number/Closed Date: 9812181 / 1999-02-18 Site ID: 199055 Spill Date: 1998-12-31	19 WINFIELD AVE	E 0 - 1/8 (0.093 mi.)	27	63
MENDIK REALITY Spill Number/Closed Date: 0109357 / 2002-04-26 Site ID: 135729 Spill Date: 2001-12-21	***600 MAMARONECK AVE -***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J44***	***106***
SPILL NUMBER 9908460 Spill Number/Closed Date: 9908460 / 2000-01-25 Site ID: 225239 Spill Date: 1999-10-11	49 WINDFIELD RD	SE 1/8 - 1/4 (0.173 mi.)	L50	118
BROWN RESIDENCE Spill Number/Closed Date: 9815233 / 1999-07-16 Site ID: 119554 Spill Date: 1999-03-23	53 WINFIELD AVE	SE 1/8 - 1/4 (0.204 mi.)	L55	128
ZUCKER Spill Number/Closed Date: 9614522 / 1998-09-28 Site ID: 99511 Spill Date: 1997-03-17	11 CRICKLEWOOD LA	SE 1/4 - 1/2 (0.295 mi.)	64	152
PVT DWELLING Spill Number/Closed Date: 1102592 / 2011-08-22 Site ID: 450111 Spill Date: 2011-06-07	36 CENTURY TRAIL	E 1/4 - 1/2 (0.387 mi.)	S71	164
GOLDSTEIN HOME Spill Number/Closed Date: 0503666 / 2005-09-11	6 PALMA DRIVE	ESE 1/4 - 1/2 (0.395 mi.)	75	169

Site ID: 348298 Spill Date: 2005-06-27				
MERVINE RESIDENCE Spill Number/Closed Date: 0306683 / 2004-02-02 Site ID: 178255 Spill Date: 2003-09-24	18 BRAXMAR DRIVE SOU	SSE 1/4 - 1/2 (0.398 mi.)	76	170
GEISMAR - SEIDEN RES Spill Number/Closed Date: 1200715 / 2012-06-15 Site ID: 463368 Spill Date: 2012-04-23	87 WINFIELD AVE	SSE 1/4 - 1/2 (0.418 mi.)	80	175
CHESKIS RESIDENCE Spill Number/Closed Date: 1201343 / 2012-12-12 Site ID: 464037 Spill Date: 2012-05-10	***34 CENTURY TRAIL***	***E 1/4 - 1/2 (0.420 mi.)***	***S82***	***177***
ALBILIA RESIDENCE Spill Number/Closed Date: 1000212 / 2010-09-03 Site ID: 431373 Spill Date: 2010-04-06	37 ROLLING HILLS LAN	ESE 1/4 - 1/2 (0.422 mi.)	83	179
QUITTEL / REAL ESTAT Spill Number/Closed Date: 1510698 / 2016-03-22 Site ID: 522394 Spill Date: 2016-02-03	35 CENTURY TRAIL	E 1/4 - 1/2 (0.422 mi.)	S84	180
NYS DOT Spill Number/Closed Date: 9309143 / 1994-03-14 Spill Number/Closed Date: 8801770 / 1989-01-24 Site ID: 297450 Site ID: 201435 Spill Date: 1993-10-28 Spill Date: 1988-05-26	PURDY AVE	N 1/4 - 1/2 (0.431 mi.)	86	183
RESIDENCE Spill Number/Closed Date: 0111356 / 2005-02-02 Spill Number/Closed Date: 0109451 / 2003-09-04 Spill Number/Closed Date: 0410165 / 2005-05-03 Site ID: 259700 Site ID: 259699 Site ID: 335038 Spill Date: 2002-02-28 Spill Date: 2001-12-26 Spill Date: 2004-12-13	395 WEST ST	SE 1/4 - 1/2 (0.473 mi.)	90	191
WHITE PLAINS MAINTEN Spill Number/Closed Date: 9613122 / 1998-05-26 Site ID: 323325 Spill Date: 1997-02-05	***51 PURDY AVE***	***NNW 1/4 - 1/2 (0.480 mi.)***	***93***	***196***
FRANCO RESIDENCE Spill Number/Closed Date: 0814150 / 2009-05-06 Site ID: 411879 Spill Date: 2009-03-31	1 LOVE LANE	NNE 1/4 - 1/2 (0.481 mi.)	94	201

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 3 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHUENKE RESIDENCE	580 WEST STREET	E 0 - 1/8 (0.099 mi.)	H33	71
Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021				
HARRISON HIGH SCHOOL	255 UNION AVENUE	NE 1/8 - 1/4 (0.165 mi.)	I48	117
Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAXON WOODS CORPORAT	550 - 600 MAMARONECK	WNW 0 - 1/8 (0.003 mi.)	B10	32
Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021				
Status: 4. Closed - in place				
Status: 1. In-Service				
Id/Status:: 3-600073				
Site Status: Active				

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there is 1 NY AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
450 MAMARONECK AVENU	450 MAMARONECK AVENU	SSW 1/8 - 1/4 (0.155 mi.)	K47	116
Database: WESTCHESTER CO. AST, Date of Government Version: 02/09/2021				
Status: 1. In-Service				
PBS Number: 3-496855				

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 02/09/2021 has revealed that there are 11 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWMAN - AST	598 WEST STREET	E 0 - 1/8 (0.093 mi.)	G28	65

Spill Number/Closed Date: 2008906 / Not Reported
Site ID: 615872
Spill Date: 2021-01-21

MCSORELY HOME	236 UNION AVE	NE 0 - 1/8 (0.095 mi.)	E30	67

Spill Number/Closed Date: 0612679 / 2008-01-14
Site ID: 377576
Spill Date: 2007-02-22

STELLA RESIDENCE	252 UNION AVE	NNE 0 - 1/8 (0.096 mi.)	F31	69

Spill Number/Closed Date: 0409812 / 2005-04-02
Site ID: 334621
Spill Date: 2004-12-02

ADLER - UST	232 UNION AVE	NE 0 - 1/8 (0.125 mi.)	I42	99

Spill Number/Closed Date: 1706731 / 2017-12-06
Site ID: 561054
Spill Date: 2017-10-11

Lower Elevation	Address	Direction / Distance	Map ID	Page
ON THE ROADWAY	550 MAMARONECK AVE	WNW 0 - 1/8 (0.003 mi.)	B8	24

Spill Number/Closed Date: 1602312 / 2016-06-07
Site ID: 528713
Spill Date: 2016-06-06

CLUNE PC - 550 UST	480 MAMARONECK AVE	SW 0 - 1/8 (0.010 mi.)	C11	34

Spill Number/Closed Date: 1404645 / 2015-07-27
Site ID: 498046
Spill Date: 2014-07-30

CLUNE PC - 1 K UST	480 MAMARONECK AVE	SW 0 - 1/8 (0.010 mi.)	C12	35

Spill Number/Closed Date: 1404646 / 2015-07-27
Site ID: 498047
Spill Date: 2014-07-30

RESIDENCE	41 WINDFIELD AVE	ESE 0 - 1/8 (0.011 mi.)	13	37

Spill Number/Closed Date: 9609740 / 1997-01-10
Site ID: 143968
Spill Date: 1996-11-04

CON ED HARRISON SUBS	295 UNION AVE	N 0 - 1/8 (0.115 mi.)	F36	74

Spill Number/Closed Date: 1400415 / 2014-11-10
Site ID: 493652
Spill Date: 2014-04-12

HARRISON HIGH SCHOOL	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F38***	***78***

Spill Number/Closed Date: 0600629 / 2006-04-21
Spill Number/Closed Date: 0607227 / 2006-10-02
Spill Number/Closed Date: 0108801 / 2001-12-19
Spill Number/Closed Date: 9809455 / 2004-10-22
Spill Number/Closed Date: 0002288 / 2000-05-24
**Additional key fields are available in the Map Findings section*
Site ID: 362682
Site ID: 370757
Site ID: 93952
Site ID: 93953
Site ID: 93950
**Additional key fields are available in the Map Findings section*
Spill Date: 2006-04-17

Spill Date: 2006-09-22
Spill Date: 2001-12-04
Spill Date: 1998-10-28
Spill Date: 2000-05-24
**Additional key fields are available in the Map Findings section*

CON ED SUB STATION Spill Number/Closed Date: 1114339 / 2014-02-21 Site ID: 462393 Spill Date: 2012-03-26	295 UNION ED	N 0 - 1/8 (0.115 mi.)	F39	90

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 12 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID:: NYP004814469	***270 UNION AVE FRONT***	***N 0 - 1/8 (0.088 mi.)***	***F21***	***54***
CON EDISON EPA ID:: NYP004814477	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F22	57
CON EDISON EPA ID:: NYP004204442	***9 WINFIELD AVE***	***ENE 1/8 - 1/4 (0.147 mi.)***	***45***	***109***
CON EDISON POLE: W44 EPA ID:: NYP004279253	***50 WEST ST & CENTURY***	***ESE 1/8 - 1/4 (0.182 mi.)***	***51***	***119***
HARRISON CENTRAL SCH EPA ID:: NYR000029132	***UNION AVE & WEST ST***	***NE 1/8 - 1/4 (0.223 mi.)***	***M58***	***135***
CON EDISON VAULT: 17 EPA ID:: NYP004390159	***WEST ST & UNION AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***M59***	***140***
CON EDISON EPA ID:: NYP004211777	***23 ROLLING HILLS LN***	***E 1/8 - 1/4 (0.244 mi.)***	***O60***	***143***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID:: NYP004210241	***550 MAMARONECK AVE &***	***NNW 0 - 1/8 (0.055 mi.)***	***15***	***39***
NYSDOT BIN 5523361 EPA ID:: NYD987019460	RTE 907 W OVER MAMAR	NW 0 - 1/8 (0.069 mi.)	16	44
CON EDISON EPA ID:: NYP004794087	***7 GLEN DR***	***SE 0 - 1/8 (0.076 mi.)***	***D17***	***47***
CON ED - V 5471 EPA ID:: NYP004005914	***450 MAMARONECK AVE /***	***SSW 1/8 - 1/4 (0.155 mi.)***	***K46***	***112***
CON EDISON	***UNION AVE & MAMARONE***	***NNW 1/8 - 1/4 (0.217 mi.)***	***N56***	***129***

EXECUTIVE SUMMARY

EPA ID:: NYP004210449

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 17 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID: NYP004658878	240 UNION AV	NNE 0 - 1/8 (0.087 mi.)	E20	53
CON EDISON EPA ID: NYP004814469	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F25	61
CON EDISON EPA ID: NYP004204442	***9 WINFIELD AVE***	***ENE 1/8 - 1/4 (0.147 mi.)***	***45***	***109***
CON EDISON POLE: W44 EPA ID: NYP004279253	***50 WEST ST & CENTURY***	***ESE 1/8 - 1/4 (0.182 mi.)***	***51***	***119***
CON EDISON EPA ID: NYP004658662	226 UNION AV WEST ST	NE 1/8 - 1/4 (0.189 mi.)	M52	124
HARRISON CENTRAL SCH EPA ID: NYR000029132	***UNION AVE & WEST ST***	***NE 1/8 - 1/4 (0.223 mi.)***	***M58***	***135***
CON EDISON VAULT: 17 EPA ID: NYP004390159	***WEST ST & UNION AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***M59***	***140***
CON EDISON EPA ID: NYP004211777	***23 ROLLING HILLS LN***	***E 1/8 - 1/4 (0.244 mi.)***	***O60***	***143***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROADWAY REAL ESTATE EPA ID: NY0000878637	***550 MAMARONECK AVE***	***WNW 0 - 1/8 (0.003 mi.)***	***B9***	***25***
CON EDISON EPA ID: NYP004210241	***550 MAMARONECK AVE &***	***NNW 0 - 1/8 (0.055 mi.)***	***15***	***39***
CON EDISON EPA ID: NYP004794087	7 GLEN DR	SE 0 - 1/8 (0.076 mi.)	D19	51
HARRISON HIGH SCHOOL EPA ID: NYR000076356	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F38***	***78***
CON EDISON - HARRISO EPA ID: NYR000149716	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F41***	***91***
MENDIK REALITY EPA ID: NY0000878652	***600 MAMARONECK AVE -***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J44***	***106***
CON ED - V 5471 EPA ID: NYP004005914	***450 MAMARONECK AVE /***	***SSW 1/8 - 1/4 (0.155 mi.)***	***K46***	***112***
CON EDISON EPA ID: NYP004210449	***UNION AVE & MAMARONE***	***NNW 1/8 - 1/4 (0.217 mi.)***	***N56***	***129***
CONSOLIDATED EDISON EPA ID: NYP004121463	MAMARONECK & UNION	NNW 1/8 - 1/4 (0.219 mi.)	N57	134

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON Generator EPA Id: NYP004814477	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F26	63

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON Generator EPA Id: NYP004210440	295 UNION AVE	N 0 - 1/8 (0.115 mi.)	F40	91

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 8 NJ MANIFEST sites within approximately 0.25 miles of the target property.

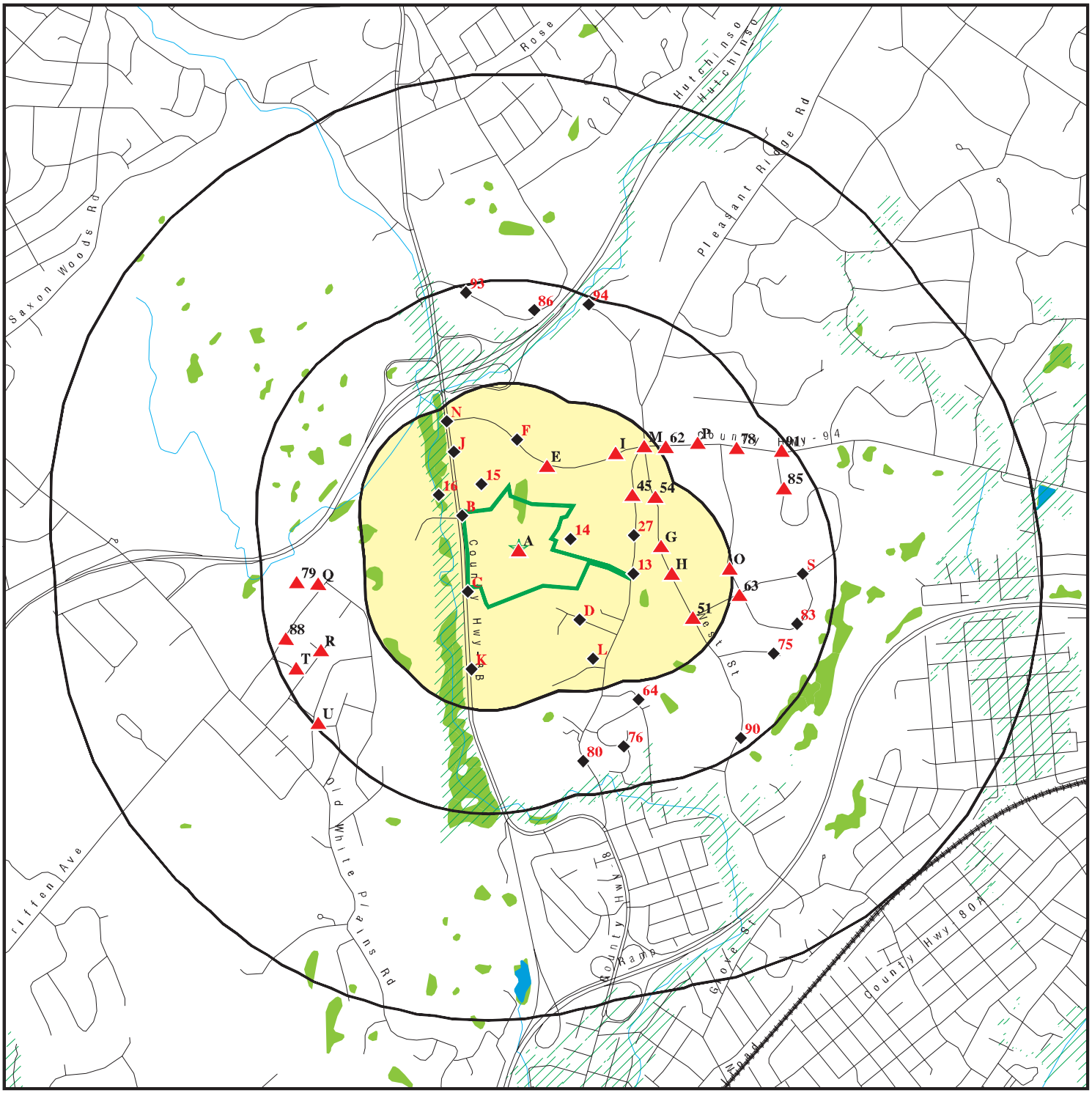
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA Id: NYP004814469	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F23	59
CON EDISON EPA Id: NYP004814477	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F24	60

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROADWAY REAL ESTATE EPA Id: NY0000878637	***550 MAMARONECK AVE***	***WNW 0 - 1/8 (0.003 mi.)***	***B9***	***25***
CON EDISON EPA Id: NYP004210241	***550 MAMARONECK AVE &***	***NNW 0 - 1/8 (0.055 mi.)***	***15***	***39***
CON EDISON EPA Id: NYP004794087	7 GLEN DR	SE 0 - 1/8 (0.076 mi.)	D18	50
CON EDISON - HARRISO EPA Id: NYR000149716 EPA Id: NYR000076356	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F41***	***91***
BROADWAY REAL ESTATE EPA Id: NY0000878652	***600 MAMARONECK AVE***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J43***	***100***
CON EDISON EPA Id: NYP004210449	***UNION AVE & MAMARONE***	***NNW 1/8 - 1/4 (0.217 mi.)***	***N56***	***129***

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6602268.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 500 Mamaroneck Ave	CLIENT: Bergmann Associates
ADDRESS: 500 Mamaroneck Ave Harrison NY 10528	CONTACT: Skylar Francis
LAT/LONG: 40.977288 / 73.740565	INQUIRY #: 6602268.2s
	DATE: August 02, 2021 2:19 pm

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DETAIL MAP - 6602268.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 500 Mamaroneck Ave	CLIENT: Bergmann Associates
ADDRESS: 500 Mamaroneck Ave Harrison NY 10528	CONTACT: Skylar Francis INQUIRY #: 6602268.2s
LAT/LONG: 40.977288 / 73.740565	DATE: August 02, 2021 2:21 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		2	1	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		6	7	36	NR	NR	49
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY UST	0.250	1	2	1	NR	NR	NR	4
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250		0	1	NR	NR	NR	1
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500	1	0	0	0	NR	NR	1
NY INST CONTROL	0.500	1	0	0	0	NR	NR	1
State and tribal voluntary cleanup sites								
NY VCP	0.500	1	0	0	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500	1	0	0	0	NR	NR	1
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	11	NR	NR	NR	NR	12
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		5	7	NR	NR	NR	12
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP	3	NR	NR	NR	NR	NR	3
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		7	10	NR	NR	NR	17
PA MANIFEST	0.250		2	0	NR	NR	NR	2
NJ MANIFEST	0.250		6	2	NR	NR	NR	8
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY COOLING TOWERS	TP	1	NR	NR	NR	NR	NR	1
NY LEAD	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		11	42	29	36	0	0	118

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
500 MAMARONECK AVE.
HARRISON, NY 10528

NY COOLING TOWERS **S121989467**
N/A

Site 1 of 7 in cluster A

Actual: 130 ft.

COOLING TOWERS:

Name:	Not reported
Address:	500 MAMARONECK AVE.
City,State,Zip:	HARRISON, NY 10528
Equipment Unique ID:	10813
Equipment Borough:	Not reported
Intended Use:	Air Conditioning
Manufacturer:	Marley/SPX
Model:	NC 8910
Cooling Capacity:	700
Cooling Capacity Unit:	Tonnage
Commissioned Date:	04/15/1986
Inspection Date:	10/05/2020
Date of Bacteriological Collection:	08/26/2020
Date of Legionella Collection:	10/06/2020
Last Legionella Result > 1,000 CFU/mL:	no
Latitude:	40.976956981
Longitude:	-73.742003997

A2
Target Property
B2E BIOTECH LLC
500 MAMARONECK AVENUE, STE 201
HARRISON, NY 10528

SSTS **1010569004**
N/A

Site 2 of 7 in cluster A

Actual: 130 ft.

SSTS:

Name:	B2E BIOTECH LLC
Address:	500 MAMARONECK AVENUE, STE 201
City,State,Zip:	HARRISON, NY 10528
Report Year:	2006
Registration Number:	075318-NY-001

Pre 2016:

Registration Number:	075318-NY-001
Name:	B2E BIOTECH LLC
Address:	500 MAMARONECK AVENUE, STE 201
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	B2E-01
Product Code:	Not reported
EPA Product Registration Number:	075318-00006
Product Type:	END-USE BLEND, FORMULATION, CONCENTRATE
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

B2E BIOTECH LLC (Continued) **1010569004**

Registration Number:	075318-NY-001
Name:	B2E BIOTECH LLC
Address:	500 MAMARONECK AVENUE, STE 201
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	B2E-7
Product Code:	Not reported
EPA Product Registration Number:	075318-00007
Product Type:	END-USE BLEND, FORMULATION, CONCENTRATE
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

A3 Target Property **HARTZ B2E** **FINDS** **1007123496**
500 MAMARONECK AVE **N/A**
HARRISON, NY 10528

Site 3 of 7 in cluster A

Actual: 130 ft.

FINDS:
Registry ID: 110015741900

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4 Target Property **HARTZ-B2E LLC** **SSTS** **1010569687**
500 MAMARONECK AVENUE, STE 201 **N/A**
HARRISON, NY 10528

Site 4 of 7 in cluster A

Actual: 130 ft.

SSTS:

Name:	HARTZ-B2E LLC
Address:	500 MAMARONECK AVENUE, STE 201
City,State,Zip:	HARRISON, NY 10528
Report Year:	2006
Registration Number:	074032-NY-001

Pre 2016:

HARTZ-B2E LLC (Continued) **1010569687**

Registration Number:	074032-NY-001
Name:	HARTZ-B2E LLC
Address:	500 MAMARONECK AVENUE, STE 201
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	METHOPRENE TECH
Product Code:	Not reported
EPA Product Registration Number:	074032-00001
Product Type:	TECHNICAL MATERIAL OR ACTIVE INGREDIENT
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN & EXPORTED OUT UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

A5 Target Property **EMPIRE STATE REALTY TRUST** **NY UST** **U003968063**
500 MAMARONECK AVENUE **N/A**
HARRISON, NY 10528

Site 5 of 7 in cluster A

Actual: 130 ft.

WESTCHESTER CO. UST:

Name:	EMPIRE STATE REALTY TRUST
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Id/Status:	3-466042 / Active
Operator Name:	Norbert Ostaszewski
Owner Name:	Empire State Realty Trust
Owner Street:	111 West 33rd Street
Owner Address2:	Not reported
Owner City:	NY
Owner State:	NY
Owner Zipcode:	10120
GDS Number:	Not reported
Tank Number:	001
Status:	1. In-Service
Capacity:	20000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	0
Tank Leak Detection:	0. None
Date Installation:	12/01/1982
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	6. Fiberglass reinforced plastic (FRP)
Tank Internal Protection:	3. Fiberglass liner (FRP)
Tank External Protection:	4. Fiberglass
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on Ground
Piping Type:	2. Galvanized Steel

EMPIRE STATE REALTY TRUST (Continued) **U003968063**

Piping External Protection:	0. None
Overfill Prevention:	5. Vent Whistle
Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	3. Gravity

A6 Target Property | **500 MAMARONECK AVENUE**
500 MAMARONECK AVENUE
HARRISON, NY 10528

Site 6 of 7 in cluster A

NY ENG CONTROLS **S102962223**
NY INST CONTROL **N/A**
NY VCP
NY BROWNFIELDS
NY Spills

Actual: 130 ft.

ENG CONTROLS:

Name:	500 MAMARONECK AVENUE
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Site Code:	58831
HW Code:	V00213
Control Code:	15
Control Type:	ENG
Date Record Added:	04/23/2007
Date Rec Updated:	05/31/2019
Updated By:	WBBENNET
Site Description:	"Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem:	"Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants.

500 MAMARONECK AVENUE (Continued) **S102962223**

	Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem:	"Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Realty Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Reality Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
HW Code:	V00213
Waste Type:	Hazardous Substances
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	W3-0851-99-05(I
Cross Ref Type Code:	20
Cross Ref Type:	Haz. Substance ID
Record Added Date:	2000-11-30 16:07:00
Record Updated:	2005-02-24 15:54:00
Updated By:	VCPTRANS

500 MAMARONECK AVENUE (Continued) **S102962223**

INST CONTROL:

Name:	500 MAMARONECK AVENUE
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Site Code:	58831
Control Name:	Deed Restriction
HW Code:	V00213
Control Code:	A
Control Type:	INST
Dt record added:	04/23/2007
Dt rec updated:	05/31/2019
Updated By:	WBBENNET
Site Code:	58831
Site Description:	"Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem:	"Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem:	"Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."

500 MAMARONECK AVENUE (Continued) **S102962223**

Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: 6
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Realty Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Reality Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
HW Code: V00213
Waste Type: Hazardous Substances
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: W3-0851-99-05(I
Cross Ref Type Code: 20
Cross Ref Type: Haz. Substance ID
Record Added Date: 2000-11-30 16:07:00
Record Updated: 2005-02-24 15:54:00
Updated By: VCPTRANS

Name: 500 MAMARONECK AVENUE
Address: 500 MAMARONECK AVENUE
City,State,Zip: HARRISON, NY 10528
Site Code: 58831
Control Name: Soil Management Plan
HW Code: V00213
Control Code: 14
Control Type: INST
Dt record added: 04/23/2007
Dt rec updated: 05/31/2019

500 MAMARONECK AVENUE (Continued) **S102962223**

Updated By: WBBENNET
Site Code: 58831
Site Description: "Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem: "Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem: "Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported

500 MAMARONECK AVENUE (Continued) **S102962223**

Updated By: Not reported
Own Op: 6
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Realty Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Reality Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
HW Code: V00213
Waste Type: Hazardous Substances
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: W3-0851-99-05(I
Cross Ref Type Code: 20
Cross Ref Type: Haz. Substance ID
Record Added Date: 2000-11-30 16:07:00
Record Updated: 2005-02-24 15:54:00
Updated By: VCPTRANS

Name: 500 MAMARONECK AVENUE
Address: 500 MAMARONECK AVENUE
City,State,Zip: HARRISON, NY 10528
Site Code: 58831
Control Name: Ground Water Use Restriction
HW Code: V00213
Control Code: 08
Control Type: INST
Dt record added: 04/23/2007
Dt rec updated: 05/31/2019
Updated By: WBBENNET
Site Code: 58831
Site Description: "Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational

500 MAMARONECK AVENUE (Continued) **S102962223**

park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "

Env Problem: "Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "

Health Problem: "Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."

Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: 6
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Realty Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
Own Op: 1
Sub Type: P03

500 MAMARONECK AVENUE (Continued) **S102962223**

Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Reality Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
HW Code: V00213
Waste Type: Hazardous Substances
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: W3-0851-99-05(I
Cross Ref Type Code: 20
Cross Ref Type: Haz. Substance ID
Record Added Date: 2000-11-30 16:07:00
Record Updated: 2005-02-24 15:54:00
Updated By: VCPTRANS

VCP:
Name: 500 MAMARONECK AVENUE
Address: 500 MAMARONECK AVENUE
City,State,Zip: HARRISON, NY 10528
Program Type: VCP
Site Code: 58831
HW Code: V00213
Site Class: C
SWIS: 6028
Region: 3
Town: Harrison
Acres: Not reported
Date Record Added: 11/30/2000
Date Record Updated: 08/10/2020
Updated By: KJCARPEN
Site Description: "Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report

500 MAMARONECK AVENUE (Continued) **S102962223**

	was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem:	"Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem:	"Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Realty Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Reality Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
HW Code:	V00213
Waste Type:	Hazardous Substances

500 MAMARONECK AVENUE (Continued) **S102962223**

Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	W3-0851-99-05(I
Cross Ref Type Code:	20
Cross Ref Type:	Haz. Substance ID
Record Added Date:	2000-11-30 16:07:00
Record Updated:	2005-02-24 15:54:00
Updated By:	VCPTRANS

BROWNFIELDS:

Name:	500 MAMARONECK AVENUE
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528-
Program:	BCP
Site Code:	58430
Acres:	34.500
HW Code:	C360063
SWIS:	6028
Town:	Harrison
Record Added Date:	03/03/2004
Record Updated Date:	02/15/2007
Update By:	KXCarpen
Site Description:	"BCP application denied. See site #V00213."
Env Problem:	""
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	ZZZ
Owner Name:	Not reported
Owner Company:	500 MAMARONECK AVENUE ASSOCIATES
Owner Address:	500 MAMARONECK AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	HARRISON, NY 10528
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported

500 MAMARONECK AVENUE (Continued) **S102962223**

Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

SPILLS:

Name:	IBM CORPORATION
Address:	500 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9708600 / 1997-10-23
Facility ID:	9708600
Facility Type:	ER
DER Facility ID:	103239
Site ID:	118813
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	1997-10-22
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1997-10-23
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-10-23
Spill Record Last Update:	1997-11-13
Spiller Name:	CALLER
Spiller Company:	IBM CORPORATION
Spiller Address:	500 MAMARONECK AVE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"leak in 60 ton chill water system. clean up crew on scene."

All Materials:

Site ID:	118813
Operable Unit ID:	1055093
Operable Unit:	01
Material ID:	330562
Material Code:	0028A
Material Name:	ethylene glycol
Case No.:	00107211
Material FA:	Hazardous Material
Quantity:	2.00
Units:	G
Recovered:	.00

500 MAMARONECK AVENUE (Continued) **S102962223**

Oxygenate: Not reported

A7 Target Property **B2E CORP**
500 MAMARONECK AVE
HARRISON, NY 10528

SSTS **1009303841**
N/A

Site 7 of 7 in cluster A

Actual: 130 ft.

SSTS:

Name:	B2E CORP
Address:	500 MAMARONECK AVE
City,State,Zip:	HARRISON, NY 10528
Report Year:	2006
Registration Number:	069554-NY-001

Pre 2016:

Registration Number:	069554-NY-001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	RST10
Product Code:	Not reported
EPA Product Registration Number:	069554-00003
Product Type:	TECHNICAL MATERIAL OR ACTIVE INGREDIENT
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	069554-NY-001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	RST10 CATTLE PREMIX
Product Code:	Not reported
EPA Product Registration Number:	069554-00004
Product Type:	TECHNICAL MATERIAL OR ACTIVE INGREDIENT
Product Classification:	INSECTICIDE
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported

B2E CORP (Continued) **1009303841**

Zero Production:	Not reported
RUP:	Not reported
Report Year:	2002
Registration Number:	069554NY001

Pre 2016:

Registration Number:	069554NY001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	R-ST 10
Product Code:	1
EPA Product Registration Number:	06955400003
Product Type:	1
Product Classification:	12
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	02
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	069554NY001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	R-ST 10 CATTLE PREMIX
Product Code:	1
EPA Product Registration Number:	06955400004
Product Type:	2
Product Classification:	12
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	02
Zero Production:	Not reported
RUP:	Not reported

B8 WNW < 1/8 0.003 mi. 15 ft. | **ON THE ROADWAY 550 MAMARONECK AVE HARRISON, NY** | **NY Spills** | **S118705326 N/A**

Site 1 of 3 in cluster B

Relative: Lower

Actual: 54 ft.

SPILLS:

Name:	ON THE ROADWAY
Address:	550 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1602312 / 2016-06-07
Facility ID:	1602312
Facility Type:	ER
DER Facility ID:	482864
Site ID:	528713
DEC Region:	3
Spill Cause:	Traffic Accident
Spill Class:	D4
SWIS:	6028
Spill Date:	2016-06-06
Investigator:	DXTRAVER
Referred To:	Not reported
Reported to Dept:	2016-06-06
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2016-06-06
Spill Record Last Update:	2016-06-07
Spiller Name:	Not reported
Spiller Company:	MOTOR VEHICLE ACCIDENT
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	FIRE CHIEF JOHN MASCIOLA
DEC Memo:	"Spoke to Chief Masciola who was on scene. Loss of 1-2 gals. of gasoline from MVA to pavement. Nearby drain not impacted but is trib. to City of White Plains reservoir. Boom placed around drain, but not impacted. FD cleaned up pavement. FD to remove booms tomorrow. NFA DT"
	Not reported
Remarks:	"Stream in Saxton Woods Park effected. Spill to the soil. Harrison FD on scen. clean up in progress."

All Materials:

Site ID:	528713
Operable Unit ID:	1277562
Operable Unit:	01
Material ID:	2282405
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported

ON THE ROADWAY (Continued) **S118705326**

Oxygenate:	Not reported
Site ID:	528713
Operable Unit ID:	1277562
Operable Unit:	01
Material ID:	2282406
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

B9 **BROADWAY REAL ESTATE SERVICES LLC** **RCRA-VSQG** **1004755932**
WNW **550 MAMARONECK AVE** **FINDS** **NY0000878637**
< 1/8 **HARRISON, NY 10528** **ECHO**
0.003 mi. **NJ MANIFEST**
15 ft. **Site 2 of 3 in cluster B** **NY MANIFEST**

Relative:
Lower

Actual:
54 ft.

RCRA-VSQG:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Handler Address:	550 MAMARONECK AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NY0000878637
Contact Name:	OZZIE G ROSA
Contact Address:	MAMARONECK AVE
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-774-8668
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	MAMARONECK AVE
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	MENDIK REALTY
Owner Type:	Private
Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	X001
Waste Description:	Not Defined

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	550 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	2001-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	550 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BROADWAY PARTNERS
Legal Status:	Private
Date Became Current:	2001-07-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	375 PARK AVE #2107
Owner/Operator City,State,Zip:	NEW YORK, NY 10152
Owner/Operator Telephone:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MENDIK REALTY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 330 MADISON AVE
Owner/Operator City,State,Zip: NEW YORK, NY 10017
Owner/Operator Telephone: 212-557-1100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BROADWAY PARTNERS
Legal Status: Private
Date Became Current: 2001-07-03 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 375 PARK AVE #2107
Owner/Operator City,State,Zip: NEW YORK, NY 10152
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2006-01-01 00:00:00.0
Handler Name: BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1994-10-11 00:00:00.0
Handler Name: MENDIK REALTY - 550 MAMARONECK AVENUE

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2004-09-15 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110004320306

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004755932
Registry ID:	110004320306
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004320306
Name:	BROADWAY REAL ESTATE SERVICES LLC
Address:	550 MAMARONECK AVE

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

City,State,Zip: HARRISON, NY 10528

NJ MANIFEST:

EPA Id:	NY0000878637
Mail Address:	550 MAMARONECK AVENUE
Mail City/State/Zip:	HARRISON 10528
Facility Phone:	9146986571
Emergency Phone:	Not reported
Contact:	OZZIE ROSA
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5114508
EPA ID:	NY0000878637
Date Shipped:	10/22/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/22/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/27/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Manifest Discrepancy Type:	Not reported
Data Entry Number:	01120522
Was Load Rejected:	HARRISON 10528
Reason Load Was Rejected:	Not reported

NY MANIFEST:

Name:	MENDIK REALTY CO
Address:	550 MAMARONECK AVE - BASEMENT
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NY0000878637
Facility Status:	Not reported
Location Address 1:	550 MAMARONECK AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NY0000878637
Mailing Name:	MENDIK REALTY CO
Mailing Contact:	S GIANSANTE
Mailing Address 1:	330 MADISON AVE
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10017
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	0000000000

NY MANIFEST:

Document ID:	NJA5114508
Manifest Status:	Not reported
seq:	Not reported
Year:	2004
Trans1 State ID:	03217
Trans2 State ID:	Not reported
Generator Ship Date:	10/22/2004
Trans1 Recv Date:	10/22/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/27/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000878637
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00040
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

B10 **SAXON WOODS CORPORATE CENTER** **NY UST** **U003885117**
WNW **550 - 600 MAMARONECK AVENUE** **N/A**
< 1/8 **HARRISON, NY 10528**
0.003 mi.
15 ft. **Site 3 of 3 in cluster B**

Relative:
Lower

Actual:
54 ft.

WESTCHESTER CO. UST:

Name:	SAXON WOODS CORPORATE CENTER
Address:	550 - 600 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Id/Status:	3-600073 / Active
Operator Name:	Saxon Woods MOB, LLC
Owner Name:	Saxon Woods MOB, LLC
Owner Street:	425 Seventh Street, NE
Owner Address2:	Not reported
Owner City:	Charlottesville
Owner State:	VA
Owner Zipcode:	22902
GDS Number:	Not reported
Tank Number:	1
Status:	4. Closed - in place
Capacity:	15000
Product Stored:	Not reported

SAXON WOODS CORPORATE CENTER (Continued) **U003885117**

Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	01/01/1969
Date Perm Closure:	04/17/2002
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	Not reported
Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	2. Suction

Tank Number:	1 (550)
Status:	1. In-Service
Capacity:	8000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	1. Electronic Interstitial Monitoring
Date Installation:	04/01/2002
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	6. Fiberglass reinforced plastic (FRP)
Tank Internal Protection:	3. Fiberglass liner (FRP)
Tank External Protection:	4. Fiberglass
Tank Secondary Containment:	4. Double-Walled (underground only)
Piping Location:	2. Underground/on Ground
Piping Type:	6. Fiberglass Reinforced Plastic (FRP)
Piping External Protection:	4. Fiberglass
Overfill Prevention:	2. High Level Alarm,5. Vent Whistle
Piping Secondary Containment:	4. Double-Walled (underground only)
Spill Prevention:	1. Catch Basin
Dispenser:	2. Suction

Tank Number:	2
Status:	4. Closed - in place
Capacity:	15000
Product Stored:	Not reported
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	01/01/1971
Date Perm Closure:	04/17/2002
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	Not reported

SAXON WOODS CORPORATE CENTER (Continued) **U003885117**

Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	2. Suction

Tank Number:	2 (600)
Status:	1. In-Service
Capacity:	8000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	1. Electronic Interstitial Monitoring
Date Installation:	04/01/2002
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	6. Fiberglass reinforced plastic (FRP)
Tank Internal Protection:	3. Fiberglass liner (FRP)
Tank External Protection:	4. Fiberglass
Tank Secondary Containment:	4. Double-Walled (underground only)
Piping Location:	2. Underground/on Ground
Piping Type:	Not reported
Piping External Protection:	4. Fiberglass
Overfill Prevention:	2. High Level Alarm
Piping Secondary Containment:	4. Double-Walled (underground only)
Spill Prevention:	1. Catch Basin
Dispenser:	0. None

C11 **CLUNE PC - 550 UST** **NY Spills** **S117268987**
SW **480 MAMARONECK AVE** **N/A**
< 1/8 **HARRISON, NY**
0.010 mi.
53 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
55 ft.

SPILLS:

Name:	CLUNE PC - 550 UST
Address:	480 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1404645 / 2015-07-27
Facility ID:	1404645
Facility Type:	ER
DER Facility ID:	453044
Site ID:	498046
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	6028
Spill Date:	2014-07-30
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2014-07-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

CLUNE PC - 550 UST (Continued) **S117268987**

Remediation Phase:	0
Date Entered In Computer:	2014-07-30
Spill Record Last Update:	2015-07-27
Spiller Name:	PHIL
Spiller Company:	CLUNE, PC
Spiller Address:	480 MAMARONECK AVE
Spiller Company:	999
Contact Name:	PHIL
DEC Memo:	"7/30/14 - The tank has leaks and has been removed. Additional work is needed. THe facility has two tank with the total volume greater than 1,100 gal. Second tank has a Spill No. 14-04646. KAB 3/30/15: This is not a PBS regulated facilty. DEC Lead changed. Report from Performer Compliance will follow. jod 7/27/2015: Performer Compliance LLC Environmental disposed of the two (2) leaking USTs and a total of 25.09 tons of petroleum contaminated soil. Post excavation soil sample results submitted for review. Closure Report has been entered into DecDocs. Based upon information provided, no further action required at this time. jod"
Remarks:	"550 tank removal"

All Materials:

Site ID:	498046
Operable Unit ID:	1247498
Operable Unit:	01
Material ID:	2248785
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Site ID:	498046
Operable Unit ID:	1247498
Operable Unit:	01
Material ID:	2248786
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

C12 **CLUNE PC - 1 K UST** **NY Spills** **S117268988**
SW **480 MAMARONECK AVE** **N/A**
< 1/8 **HARRISON, NY**
0.010 mi.
53 ft. **Site 2 of 2 in cluster C**

Relative:
Lower

Actual:
55 ft.

SPILLS:

Name:	CLUNE PC - 1 K UST
Address:	480 MAMARONECK AVE
City,State,Zip:	HARRISON, NY

CLUNE PC - 1 K UST (Continued) **S117268988**

Spill Number/Closed Date:	1404646 / 2015-07-27
Facility ID:	1404646
Facility Type:	ER
DER Facility ID:	453044
Site ID:	498047
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	6028
Spill Date:	2014-07-30
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2014-07-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-07-30
Spill Record Last Update:	2015-07-27
Spiller Name:	PHIL
Spiller Company:	CLUNE, PC
Spiller Address:	AT 480 MAMARONECK AVE
Spiller Company:	999
Contact Name:	PHIL
DEC Memo:	"7/30/14 - The tank has leaks and has been removed. Additional work is needed. THe facility has two tank with the total volume greater than 1,100 gal. First tank has a Spill No. 14-04645. KAB 3/30/15: This is not a PBS regulated facilty. DEC Lead changed. Report from Performer Compliance will follow. jod 7/27/2015: Performer Compliance LLC Environmental disposed of the two (2) leaking USTs and a total of 25.09 tons of petroleum contaminated soil. Post excavation soil sample results submitted for review. Closure Report has been entered into DecDocs. Based upon information provided, no further action required at this time. jod"
Remarks:	"1K gallon tank removal, c/u pending"

All Materials:

Site ID:	498047
Operable Unit ID:	1247499
Operable Unit:	01
Material ID:	2248787
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

13 ESE < 1/8 0.011 mi. 60 ft. | **RESIDENCE**
41 WINDFIELD AVE
HARRISON, NY | **NY Spills** | **S102446930**
N/A

Relative: Lower

Actual: 98 ft.

SPILLS:

Name:	RESIDENCE
Address:	41 WINDFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9609740 / 1997-01-10
Facility ID:	9609740
Facility Type:	ER
DER Facility ID:	122746
Site ID:	143968
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B4
SWIS:	6028
Spill Date:	1996-11-04
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1996-11-05
CID:	205
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-11-05
Spill Record Last Update:	1997-05-07
Spiller Name:	HOWARD WEINTRAUB
Spiller Company:	Not reported
Spiller Address:	41 WINDFIELD AVE
Spiller Company:	001
Contact Name:	HOWARD WEINTRAUB
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 11/05/96 GLEN NADIN THAT 1 OR 1.5 GAL OF FUEL WAS IN THE SUMP PIT PRODUCT WAS REMOVED & SUMP PUMP SHUT OFF; HE WAS ADVISED TO EXCAVATE THE LINE AND REMOVE THE SOIL THAT HAS BEEN IMPACTED BY THE LEAK. "
Remarks:	"caller stated that they were called for a spill at residence. spill ocured fron bad line coming from tank, inside."

All Materials:

Site ID:	143968
Operable Unit ID:	1037682
Operable Unit:	01
Material ID:	341947
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	.00

RESIDENCE (Continued) **S102446930**

Oxygenate: Not reported

---

14 ENE < 1/8 0.035 mi. 185 ft. **SUEANN MILES 25 WINDFIELD HARRISON, NY** **NY LTANKS** **S104621624 N/A**

Relative: Lower

Actual: 128 ft.

LTANKS:

Name:	SUEANN MILES
Address:	25 WINDFIELD
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0002062 / 2000-10-16
Facility ID:	0002062
Site ID:	77533
Spill Date:	2000-05-18
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-05-18
CID:	204
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-18
Spill Record Last Update:	2000-11-21
Spiller Name:	WILSON HOFFNAGLE
Spiller Company:	25 WINDFIELD
Spiller Address:	25 WINDFIELD
Spiller County:	001
Spiller Contact:	WILSON HOFFNAGLE
Spiller Phone:	(914) 835-7535
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	72328
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/16/2000 NORTHEAST PULLED TANK. TANK WAS SOUND, NO RELEASE. NFA"
Remarks:	"TANK TEST FAILURE"

All TTF:

Facility ID:	0002062
Spill Number:	0002062
Spill Tank Test:	1525608
Site ID:	77533
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported

SUEANN MILES (Continued) **S104621624**

UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	77533
Operable Unit ID:	823993
Operable Unit:	01
Material ID:	550440
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

15
NNW
< 1/8
0.055 mi.
293 ft.

CON EDISON
550 MAMARONECK AVE & UNION AVE
HARRISON, NY 10528

RCRA NonGen / NLR **1014398668**
NY MANIFEST **NYP004210241**
NJ MANIFEST

Relative:
Lower

Actual:
74 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-04-13 00:00:00.0
Handler Name:	CON EDISON
Handler Address:	550 MAMARONECK AVE & UNION AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYP004210241
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported

CON EDISON (Continued) **1014398668**

Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-13 15:33:28.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CON EDISON (Continued) **1014398668**

Historic Generators:

Receive Date:	2010-06-30 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-04-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	550 MAMARONECK AVE & UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004210241
Facility Status:	Not reported
Location Address 1:	MH9867 - F/O 550 MAMARONECK AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004210241

CON EDISON (Continued) **1014398668**

Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	THOMAS TEELING
Mailing Address 1:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/30/2010
Trans1 Recv Date:	06/30/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/02/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004210241
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	003533280JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	Y
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H111
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	75
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported

CON EDISON (Continued) **1014398668**

Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYP004210241
Mail Address:	4 IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	DENNIS MICHAELIDES
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	003533280JJK
EPA ID:	NYP004210241
Date Shipped:	06/30/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/30/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/02/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

CON EDISON (Continued) **1014398668**

Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	75 P

16
NW
< 1/8
0.069 mi.
363 ft.

NYSDOT BIN 5523361
RTE 907 W OVER MAMARONECK AVE
WHITE PLAINS, NY 10604

RCRA NonGen / NLR **1000790462**
NYD987019460

Relative:
Lower

Actual:
43 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	NYSDOT BIN 5523361	
Handler Address:		RTE 907 W OVER MAMARONECK AVE
Handler City,State,Zip:		WHITE PLAINS, NY 10604
EPA ID:		NYD987019460
Contact Name:		RICHARD MANNS
Contact Address:		BURNETT BLVD
Contact City,State,Zip:		POUGHKEEPSIE, NY 12603
Contact Telephone:		914-431-5743
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		State
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R3
Mailing Address:		BURNETT BLVD
Mailing City,State,Zip:		POUGHKEEPSIE, NY 12603
Owner Name:		NYSDOT
Owner Type:		State
Operator Name:		NYSDOT
Operator Type:		State
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

NYSDOT BIN 5523361 (Continued) **1000790462**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D008
Waste Description:	LEAD

NYSDOT BIN 5523361 (Continued) **1000790462**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYSDOT
Legal Status:	State
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4 BURNETT BLVD
Owner/Operator City,State,Zip:	POUGHKEEPSIE, NY 12603
Owner/Operator Telephone:	914-431-5743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NYSDOT
Legal Status:	State
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4 BURNETT BLVD
Owner/Operator City,State,Zip:	POUGHKEEPSIE, NY 12603
Owner/Operator Telephone:	914-431-5743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYSDOT
Legal Status:	State
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4 BURNETT BLVD
Owner/Operator City,State,Zip:	POUGHKEEPSIE, NY 12603
Owner/Operator Telephone:	914-431-5743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name: NYSDOT BIN 5523361	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-01-01 00:00:00.0
Handler Name: NYSDOT BIN 5523361	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No

NYSDOT BIN 5523361 (Continued) **1000790462**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:		1992-09-25 00:00:00.0
Handler Name:	NYSDOT BIN 5523361	
Federal Waste Generator Description:		Not a generator, verified
State District Owner:		NY
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D17 **CON EDISON** **RCRA NonGen / NLR** **1019904129**
SE **7 GLEN DR** **FINDS** **NYP004794087**
< 1/8 **HARRISON, NY 10528** **ECHO**
0.076 mi.
400 ft. **Site 1 of 3 in cluster D**

Relative:
Lower

Actual:
123 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-06-13 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		7 GLEN DR
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004794087
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

CON EDISON (Continued) **1019904129**

Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PL 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-09-09 13:09:22.0

CON EDISON (Continued) **1019904129**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2015-06-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2015-06-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110069689279

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

CON EDISON (Continued) **1019904129**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019904129
Registry ID:	110069689279
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069689279
Name:	CON EDISON
Address:	7 GLEN DR
City,State,Zip:	HARRISON, NY 10528

D18 **CON EDISON** **NJ MANIFEST** **S120672775**
SE **7 GLEN DR** **N/A**
< 1/8 **HARRISON, NY 10528**
0.076 mi.
400 ft. **Site 2 of 3 in cluster D**

Relative:
Lower

Actual:
123 ft.

NJ MANIFEST:

EPA Id:	NYP004794087
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014467884JJK
EPA ID:	NYP004794087
Date Shipped:	6/13/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported

CON EDISON (Continued) **S120672775**

Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

D19 **CON EDISON** **NY MANIFEST** **S118256887**
SE **7 GLEN DR** **N/A**
< 1/8 **HARRISON, NY 10528**
0.076 mi.
400 ft. **Site 3 of 3 in cluster D**

Relative:
Lower

Actual:
123 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	7 GLEN DR
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004794087
Facility Status:	Not reported
Location Address 1:	7 GLEN DR
Code:	BP
Location Address 2:	SB 8986
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004794087
Mailing Name:	CON EDISON
Mailing Contact:	DENNIS HUACON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

CON EDISON (Continued) **S118256887**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/13/2015
Trans1 Recv Date:	06/13/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/18/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004794087
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	014467884JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

E20 NNE < 1/8 0.087 mi. 458 ft. | **CON EDISON 240 UNION AV HARRISON, NY 10528** | **NY MANIFEST** | **S117318362 N/A**

Site 1 of 3 in cluster E

Relative: Higher

Actual: 156 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	240 UNION AV
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004658878
Facility Status:	Not reported
Location Address 1:	240 UNION AV
Code:	BP
Location Address 2:	MH11328
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004658878
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/16/2014
Trans1 Recv Date:	09/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004658878
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770788JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117318362**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

F21 **CON EDISON** **RCRA NonGen / NLR** **1019905863**
North **270 UNION AVE FRONT OF MH10239** **FINDS** **NYP004814469**
< 1/8 **HARRISON, NY 10528** **ECHO**
0.088 mi.
465 ft. **Site 1 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-07-28 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		270 UNION AVE FRONT OF MH10239
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004814469
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported

CON EDISON (Continued) **1019905863**

Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-09-09 15:28:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

CON EDISON (Continued) **1019905863**

Historic Generators:

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069695556

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1019905863
Registry ID: 110069695556

CON EDISON (Continued) **1019905863**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110069695556
Name: CON EDISON
Address: 270 UNION AVE FRONT OF MH9468
City,State,Zip: HARRISON, NY 10528

F22 **CON EDISON** **RCRA NonGen / NLR** **1019905864**
North **270 UNION AVE FRONT OF MH9468** **NYP004814477**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 2 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-07-28 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		270 UNION AVE FRONT OF MH9468
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004814477
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN

CON EDISON (Continued) **1019905864**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-09-09 15:28:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No

CON EDISON (Continued) **1019905864**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F23 **CON EDISON** **NJ MANIFEST** **S120674607**
North **270 UNION AVE FRONT OF MH10239** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 3 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

NJ MANIFEST:

EPA Id:	NYP004814469
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014472149JJK
EPA ID:	NYP004814469
Date Shipped:	7/28/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

CON EDISON (Continued) **S120674607**

Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

F24 **CON EDISON** **NJ MANIFEST** **S120674608**
North **270 UNION AVE FRONT OF MH9468** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 4 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

NJ MANIFEST:

EPA Id:	NYP004814477
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014472150JJK
EPA ID:	NYP004814477
Date Shipped:	7/28/2015
TSDF EPA ID:	NJD002200046

CON EDISON (Continued) **S120674608**

Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

F25 **CON EDISON** **NY MANIFEST** **S119076828**
North **270 UNION AVE FRONT OF MH10239** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 5 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	270 UNION AVE FRONT OF MH10239
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004814469
Facility Status:	Not reported
Location Address 1:	OPP 246 UNION ST
Code:	BP
Location Address 2:	MH 10239
Total Tanks:	Not reported
Location City:	MAMARONECK
Location State:	NY

CON EDISON (Continued) **S119076828**

Location Zip:	10543
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004814469
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/28/2015
Trans1 Recv Date:	07/28/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/31/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004814469
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	014472149JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.

CON EDISON (Continued) **S119076828**

Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

F26 **CON EDISON** **PA MANIFEST** **S125059104**
North **270 UNION AVE FRONT OF MH9468** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 6 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

Manifest Details:

Year:	2018
Manifest Number:	011531449FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYP004814477
Generator Date:	04/07/2018
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	1
Container Type:	Cargo tanks (tank trucks)
Waste Quantity:	200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

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27 **RESIDENCE** **NY LTANKS** **S103559016**
East **19 WINFIELD AVE** **N/A**
< 1/8 **HARRISON, NY**
0.093 mi.
490 ft.

Relative:
Lower

Actual:
127 ft.

LTANKS:

Name:	RESIDENCE
Address:	19 WINFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9812181 / 1999-02-18
Facility ID:	9812181
Site ID:	199055

RESIDENCE (Continued) **S103559016**

Spill Date:	1998-12-31
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1998-12-31
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-12-31
Spill Record Last Update:	1999-03-12
Spiller Name:	MR POMERANTZ
Spiller Company:	RESIDENCE
Spiller Address:	19 WINFIELD AVE
Spiller County:	001
Spiller Contact:	MR POMERANTZ
Spiller Phone:	(914) 381-6032
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	165673
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/09/99 - PASED RE-TEST."
Remarks:	"WILL RECOMMEND ISOLATION TEST-OIL CO WILL PREPARE TANK TO BE RE-TESTED"

All TTF:

Facility ID:	9812181
Spill Number:	9812181
Spill Tank Test:	1546708
Site ID:	199055
Tank Number:	00000000000
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	199055
Operable Unit ID:	1069441
Operable Unit:	01
Material ID:	312462

RESIDENCE (Continued) **S103559016**

Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

G28 **NEWMAN - AST** **NY Spills** **S127291756**
East **598 WEST STREET** **N/A**
< 1/8 **HARRISON, NY**
0.093 mi.
491 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
163 ft.

SPILLS:

Name:	NEWMAN - AST
Address:	598 WEST STREET
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	2008906 / Not Reported
Facility ID:	2008906
Facility Type:	ER
DER Facility ID:	563771
Site ID:	615872
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	6028
Spill Date:	2021-01-21
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2021-01-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	2021-01-21
Spill Record Last Update:	2021-02-03
Spiller Name:	Art Newman
Spiller Company:	Arthur Newman
Spiller Address:	598 WEST ST
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"1/21/21- Spoke to Greg (Castlton): Removal of two 275-gal AST at a residence in a very small crawl space. Cut open the crawl space to access and found that one of the tanks had a hole. The tanks are sitting on concrete within the crawl space and the concrete was stained. Home is on municipal water & sewer. There is a sump pump close to the tank. They opened the sump pump and no visual signs of impacts right now. Homeowner is calling and insurance and likely contracting Castlton for further work. Castlton planning to do

NEWMAN - AST (Continued) **S127291756**

borings in concrete to investigate. -MS 1/29/21: I spoke with Greg at Castlton. He states they are scheduled to perform a soil boring through the floor on Monday, sample result will be forwarded to DEC. jod"

Remarks: "holes in tank clean up is pending"

All Materials:

Site ID:	615872
Operable Unit ID:	1362975
Operable Unit:	01
Material ID:	2375147
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

E29
NNE
< 1/8
0.093 mi.
492 ft.

RUBIN - TTF **NY LTANKS** **S117364451**
244 UNION AVE **N/A**
HARRISON, NY 10528

Site 2 of 3 in cluster E

Relative:
Higher

Actual:
156 ft.

LTANKS:

Name:	RUBIN - TTF
Address:	244 UNION AVE
City,State,Zip:	HARRISON, NY 10528
Spill Number/Closed Date:	1405584 / 2014-12-22
Facility ID:	1405584
Site ID:	499017
Spill Date:	2014-08-21
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2014-08-22
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2014-08-22
Spill Record Last Update:	2014-12-22
Spiller Name:	JEFF RUBIN
Spiller Company:	Rubin
Spiller Address:	244 UNION AVE
Spiller County:	999
Spiller Contact:	JEFF RUBIN

RUBIN - TTF (Continued) **S117364451**

Spiller Phone: (914) 772-3981
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 453971
DEC Memo: "8/22/14 Spoke to Reed Smercina. In addition to TTF, a soil sample was procured from the side of the tank which registered 50 ppm on PID, so there is some impact. Castlton has been hired to do tank pull. dw 11/06/14: Status report via email from C2G: Wanted to provide you with a status of the above spill #, it was a failed tank test, C2G was contracted to perform tank removal activities and are on site today to remove the UST and investigate the soil conditions. We will keep you updated on the results of the removal. jod 11/07/14: Status report via email from C2G: Yesterday s tank removal activities did confirm the failed tank test with impacts to the surrounding soils identified and 30+ holes in the UST. PID readings for the soils surrounding the UST were detected at a high of 403 ppm and were gray stained with strong petroleum odor. No groundwater encountered at this time below the UST. Has Municipal water. C2G is providing cleanup costs and homeowner is contacting their insurance co. jod 12/22/2014: C2G Environmental reports they removed and disposed of the leaking UST and petroleum contaminated soil. Closure Report/Documentation has been reviewed and entered into DecDocs. Based upon information provided, no further action required at this time. jod"
Remarks: "failed tank - clean up pending"

All Materials:
Site ID: 499017
Operable Unit ID: 1248448
Operable Unit: 01
Material ID: 2249895
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

E30 **MCSORELY HOME** **NY Spills** **S108467762**
NE **236 UNION AVE** **N/A**
< 1/8 **HARRISON, NY**
0.095 mi.
500 ft. **Site 3 of 3 in cluster E**

Relative:
Higher

Actual:
146 ft.

SPILLS:
Name: MCSORELY HOME
Address: 236 UNION AVE
City,State,Zip: HARRISON, NY
Spill Number/Closed Date: 0612679 / 2008-01-14
Facility ID: 0612679
Facility Type: ER
DER Facility ID: 327118
Site ID: 377576
DEC Region: 3
Spill Cause: Equipment Failure

MCSORELY HOME (Continued) **S108467762**

Spill Class:	C3
SWIS:	6028
Spill Date:	2007-02-22
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2007-02-22
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-02-22
Spill Record Last Update:	2008-01-14
Spiller Name:	WILLIAM MCSORLEY
Spiller Company:	MCSORELY HOME
Spiller Address:	236 UNION AVE
Spiller Company:	001
Contact Name:	WILLIAM MCSORLEY
DEC Memo:	"Mr. McSorely is calling insurance pending further action. 1/14/08 - Castleon Environmental Contractors conducted removal liquid and sludge, the tank, contaminated soils and collected soil samples. A vac truck was used to remove 1,336 gal. liquid waste from the excavation and disposed at Paradise Heating Oil, Inc. 76 tons of contaminated soils was removed and disposed at Clean Earth of Philpadelphia, Inc. Three composite soil samples were collected. The soil sample results showed VOCs in the ppb range, well below the NYS soil guidelines and SVOCs in the ppm range, with no exceedance of NYS soil guidelines. There are no significant impacts from the tank. NFA. KAB"
Remarks:	"550 GALLON TANK HAD HOLES AND CONTAMINATED SOIL"

All Materials:

Site ID:	377576
Operable Unit ID:	1135103
Operable Unit:	01
Material ID:	2124997
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

F31 NNE < 1/8 0.096 mi. 505 ft. | **STELLA RESIDENCE 252 UNION AVE HARRISON, NY** | **NY Spills** | **S106737458 N/A**

Site 7 of 13 in cluster F

Relative: Higher

Actual: 149 ft.

SPILLS:

Name:	STELLA RESIDENCE
Address:	252 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0409812 / 2005-04-02
Facility ID:	0409812
Facility Type:	ER
DER Facility ID:	269838
Site ID:	334621
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2004-12-02
Investigator:	DXWEITZ
Referred To:	Not reported
Reported to Dept:	2004-12-02
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-12-02
Spill Record Last Update:	2005-04-02
Spiller Name:	MIKE STELLA
Spiller Company:	STELLA RESIDENCE
Spiller Address:	252 UNION AVE
Spiller Company:	001
Contact Name:	MIKE STELLA
DEC Memo:	""
Remarks:	"RETURN LINE LEAKED AND HAS BEEN REPAIRED:"

All Materials:

Site ID:	334621
Operable Unit ID:	1096747
Operable Unit:	01
Material ID:	576632
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

G32 East < 1/8 0.097 mi. 512 ft. | **LOMBARDI RESIDENCE 599 WEST STREET HARRISON, NY** | **NY LTANKS** | **S107789519 N/A**

Site 2 of 3 in cluster G

Relative: Higher

Actual: 164 ft.

LTANKS:

Name:	LOMBARDI RESIDENCE
Address:	599 WEST STREET
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0602291 / 2006-07-30
Facility ID:	0602291
Site ID:	364733
Spill Date:	2006-05-31
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2006-05-31
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2006-05-31
Spill Record Last Update:	2006-07-30
Spiller Name:	ED LOMBARDI
Spiller Company:	LOMBARDI RESIDENCE
Spiller Address:	599 WEST STREET
Spiller County:	001
Spiller Contact:	ED LOMBARDI
Spiller Phone:	(914) 447-7540
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	314926
DEC Memo:	"06/09/06: TANKS REMOVED - CONTACTING INS. CO. AND SEND PROPOSAL TO OWNER. July 30, 2006: LUST and contaminated soil disposed of. Closure report reviewed by DEC. Based upon information provided, no further action is required at this time. jod"
Remarks:	"550 gallon tank had holes;"

All Materials:

Site ID:	364733
Operable Unit ID:	1122755
Operable Unit:	01
Material ID:	2112229
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

H33 East < 1/8 0.099 mi. 522 ft. | **SCHUENKE RESIDENCE**
580 WEST STREET
HARRISON, NY 10528 | **NY UST** | **U004334094**
N/A

Site 1 of 2 in cluster H

Relative: Higher
Actual: 160 ft.

NY UST:
No Details: No Details

H34 East < 1/8 0.104 mi. 548 ft. | **MARSHALL RESIDENCE**
585 WEST ST
HARRISON, NY | **NY LTANKS** | **S104191465**
N/A

Site 2 of 2 in cluster H

Relative: Higher
Actual: 162 ft.

LTANKS:

Name:	MARSHALL RESIDENCE
Address:	585 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9904481 / 1999-09-02
Facility ID:	9904481
Site ID:	139302
Spill Date:	1999-07-15
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-07-15
CID:	384
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-07-15
Spill Record Last Update:	1999-09-07
Spiller Name:	MARSHALL RESIDENCE
Spiller Company:	MARSHALL RESIDENCE
Spiller Address:	585 WEST ST
Spiller County:	001
Spiller Contact:	YVES MARSHALL
Spiller Phone:	(914) 835-8103
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	119001
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 9/02/99 TANK PULLED BY TAKE PRIDE. TANK WAS SOUND, NO RELEASE. NFA"
Remarks:	"tested for real estate transaction. an isolation retest will be done within 10 days."

All TTF:

Facility ID:	9904481

MARSHALL RESIDENCE (Continued) **S104191465**

Spill Number:	9904481
Spill Tank Test:	1547378
Site ID:	139302
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	139302
Operable Unit ID:	1078920
Operable Unit:	01
Material ID:	304360
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

G35
East
< 1/8
0.106 mi.
560 ft.

PRIVATE DWELLING
607 WEST STREET
HARRISON, NY

Site 3 of 3 in cluster G

NY LTANKS **S108983072**
N/A

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name:	PRIVATE DWELLING
Address:	607 WEST STREET
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0710639 / 2008-04-21
Facility ID:	0710639
Site ID:	391965
Spill Date:	2008-01-08
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2008-01-08
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other

PRIVATE DWELLING (Continued) **S108983072**

Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-01-08
Spill Record Last Update:	2008-04-21
Spiller Name:	FREDRICK BAUMGARTEN
Spiller Company:	Not reported
Spiller Address:	607 WEST STREET
Spiller County:	001
Spiller Contact:	FREDRICK BAUMGARTEN
Spiller Phone:	(914) 835-8016
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	341570
DEC Memo:	"Soils are contaminated. Will send TCR to T. Ghiosay. (RA) April 21, 2008: NORTHEAST ENVIRONMENTAL DISPOSED OF LUST AND 212.57 TONS OF CONTAMINATED SOIL. CLOSURE REPORT REVIEWED BY DEC. BASED UPON INFORMATION PROVIDED, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
	Not reported
Remarks:	""

All TTF:

Facility ID:	0710639
Spill Number:	0710639
Spill Tank Test:	2384439
Site ID:	391965
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	True
Cause:	03
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

All Materials:

Site ID:	391965
Operable Unit ID:	1148994
Operable Unit:	01
Material ID:	2139496
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

F36 **CON ED HARRISON SUBSTATION** **NY Spills** **S116554420**
North **295 UNION AVE** **N/A**
< 1/8 **HARRISON, NY**
0.115 mi.
607 ft. **Site 8 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

SPILLS:

Name:	CON ED HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1400415 / 2014-11-10
Facility ID:	1400415
Facility Type:	ER
DER Facility ID:	84168
Site ID:	493652
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2014-04-12
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2014-04-12
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-04-12
Spill Record Last Update:	2014-11-10
Spiller Name:	ERT
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PL
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"4/12/14 - ConEd hired a contractor to conducted the cleanup. Spill is contain in the blue stone. KAB 06/04/2014 7:15 Performed clean up using absorbent, brooms and shovels. All contamminated bluestone was removed and drummed. Lukshides, Margaretha 04/12/2014 9:01 Corrective Action: The transformer group has been notified to perform the cleanup and investigate to determine what repairs are needed."
Remarks:	"Oil spilled to blue stone and soil. Clean up is pending crew arrival."

All Materials:

Site ID:	493652
Operable Unit ID:	1243165
Operable Unit:	01
Material ID:	2243831
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	8.00
Units:	G

CON ED HARRISON SUBSTATION (Continued) **S116554420**

Recovered: Not reported
Oxygenate: Not reported

F37 **HARRISON CSD - HARRISON HIGH SCHOOL** **RCRA-VSQG** **1001818149**
North **255 UNION AVE** **FTTS** **NYR000076356**
< 1/8 **HARRISON, NY 10528**
0.115 mi.
607 ft. **Site 9 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

RCRA-VSQG:

Date Form Received by Agency:	2007-07-23 00:00:00.0
Handler Name:	HARRISON CSD - HARRISON HIGH SCHOOL
Handler Address:	255 UNION AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYR000076356
Contact Name:	EDWARD R KEAR
Contact Address:	UNION AVE
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-630-3018
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Other
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	UNION AVE
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported

HARRISON CSD - HARRISON HIGH SCHOOL (Continued) **1001818149**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-630-3018
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HARRISON CSD - HARRISON HIGH SCHOOL (Continued) **1001818149**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON BOARD OF EDUCATION
Legal Status:	Other
Date Became Current:	2007-07-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HARRISON BOARD OF EDUCATION
Legal Status:	Other
Date Became Current:	2007-07-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST - HIGH SCH
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-07-23 00:00:00.0
Handler Name:	HARRISON CSD - HARRISON HIGH SCHOOL
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1999-09-09 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST - HIGH SCH
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

HARRISON CSD - HARRISON HIGH SCHOOL (Continued) **1001818149**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-07-24 00:00:00.0
Handler Name: HARRISON CSD - HARRISON HIGH SCHOOL
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FTTS INSP:
Inspection Number: 200209190015 1
Region: 02
Inspection Date: 09/19/02
Inspector: L. SIMON
Violation occurred: Yes
Investigation Type: AHERA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

F38 **HARRISON HIGH SCHOOL** **NY Spills** **S103573585**
North **295 UNION AVE** **NY MANIFEST** **N/A**
< 1/8 **HARRISON, NY 10528**
0.115 mi.
607 ft. **Site 10 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

SPILLS:
Name: HARRISON SUBSTATION
Address: 295 UNION AVE
City,State,Zip: HARRISON, NY
Spill Number/Closed Date: 0600629 / 2006-04-21
Facility ID: 0600629
Facility Type: ER

HARRISON HIGH SCHOOL (Continued) **S103573585**

DER Facility ID:	84168
Site ID:	362682
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2006-04-17
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2006-04-17
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-04-17
Spill Record Last Update:	2006-04-21
Spiller Name:	ERT DESK'
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERT DESK'
DEC Memo:	""
Remarks:	"8OUNCES LEAKED FROM A CIRCULATING PUMP ON TRANSFORMER #1: NO TO 4 QUESTIONS; CREWS CLEANING UP"

All Materials:

Site ID:	362682
Operable Unit ID:	1120752
Operable Unit:	01
Material ID:	2110249
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0607227 / 2006-10-02
Facility ID:	0607227
Facility Type:	ER
DER Facility ID:	84168
Site ID:	370757
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028

HARRISON HIGH SCHOOL (Continued) **S103573585**

Spill Date:	2006-09-22
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2006-09-23
CID:	78
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-09-25
Spill Record Last Update:	2006-10-11
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	CAPUNE, BILL
DEC Memo:	""
Remarks:	"6 oz dialectic fluid from A phase pothead."

All Materials:

Site ID:	370757
Operable Unit ID:	1128546
Operable Unit:	01
Material ID:	2118163
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUB STATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0108801 / 2001-12-19
Facility ID:	0108801
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93952
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2001-12-04
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2001-12-04
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

HARRISON HIGH SCHOOL (Continued) **S103573585**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-04
Spill Record Last Update:	2002-02-07
Spiller Name:	SAME
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	CHARLIE MCCARTHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE "
Remarks:	"3ozs spilled onto transformer pad - transformer #4 - ref #140468"

Name:	HARRISON SUB STATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9809455 / 2004-10-22
Facility ID:	9809455
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93953
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	6028
Spill Date:	1998-10-28
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1998-10-28
CID:	257
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-28
Spill Record Last Update:	2004-10-22
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MR MCQUEEN
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"ON 100 GALS OF WATER SAMPLE WAS TAKEN REF #120880 - SPILL IS IN MANHOLE"

All Materials:

Site ID:	93953

HARRISON HIGH SCHOOL (Continued) **S103573585**

Operable Unit ID:	1066730
Operable Unit:	01
Material ID:	316908
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0002288 / 2000-05-24
Facility ID:	0002288
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93950
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2000-05-24
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-05-24
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-24
Spill Record Last Update:	2000-05-30
Spiller Name:	CALLER
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 05/24/2000 1 OUNCE NOT 1 GALLON SPILLED. CLEANUP REPORT TO BE SENT TO TARRYTOWN OFFICE. NFA"
Remarks:	"SHEEN ON BLUESTONE - CLEAN UP IN PROGRESS - SAMPLE TAKEN - TRANSFORMER #4"

All Materials:

Site ID:	93950
Operable Unit ID:	824211
Operable Unit:	01
Material ID:	550654
Material Code:	0541A

HARRISON HIGH SCHOOL (Continued) **S103573585**

Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0002301 / 2000-05-24
Facility ID:	0002301
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93951
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B4
SWIS:	6028
Spill Date:	2000-05-24
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2000-05-24
CID:	371
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-24
Spill Record Last Update:	2013-11-07
Spiller Name:	CALLER
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 05/24/2000 CLEANUP REPORT TO BE SENT TO TARRYTOWN OFFICE. NFA"
Remarks:	"faulty feeder/pumphouse -- spilled onto bluestone -- clean up in progress and expected to be complete. "

All Materials:

Site ID:	93951
Operable Unit ID:	824231
Operable Unit:	01
Material ID:	550667
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	G

HARRISON HIGH SCHOOL (Continued) **S103573585**

Recovered:	.00
Oxygenate:	Not reported

Name:	FEEDER 38W14
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0706849 / 2007-09-25
Facility ID:	0706849
Facility Type:	ER
DER Facility ID:	84168
Site ID:	387444
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2007-09-20
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2007-09-20
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-09-20
Spill Record Last Update:	2007-10-02
Spiller Name:	ERTSDESK
Spiller Company:	FEEDER 38W14
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	""
Remarks:	"LEAKING FROM FEEDER ABOUT 4 OUNCES AND ABOUT 1 DROP PER 1/2 HOUR AND IN PROCESS OF CLEANING UP"

All Materials:

Site ID:	387444
Operable Unit ID:	1144647
Operable Unit:	01
Material ID:	2134956
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE

HARRISON HIGH SCHOOL (Continued) **S103573585**

City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0704803 / 2007-07-29
Facility ID:	0704803
Facility Type:	ER
DER Facility ID:	84168
Site ID:	385019
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2007-07-28
Investigator:	dvwehrfr
Referred To:	Not reported
Reported to Dept:	2007-07-28
CID:	72
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-07-28
Spill Record Last Update:	2007-08-02
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	ERT DESK
DEC Memo:	"REC. HL 11:34 CONFIRMED CLEAN UP. NFA"
Remarks:	"2 pts of dielectric fluid spilled. Recovery pending resources."

All Materials:

Site ID:	385019
Operable Unit ID:	1142304
Operable Unit:	01
Material ID:	2132529
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0805008 / 2008-08-01
Facility ID:	0805008
Facility Type:	ER
DER Facility ID:	84168
Site ID:	402036
DEC Region:	3

HARRISON HIGH SCHOOL (Continued) **S103573585**

Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2008-07-31
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2008-07-31
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-01
Spill Record Last Update:	2008-08-01
Spiller Name:	ERTSDESK
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	"6 OZ. DIELECTRIC TO SAND & BLUESTONE. CLEAN UP UNDERWAY. -- NFA"
Remarks:	"CLEAN UP IN PROCESS CONED # 212874"

All Materials:

Site ID:	402036
Operable Unit ID:	1158807
Operable Unit:	01
Material ID:	2149894
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0805009 / 2008-08-16
Facility ID:	0805009
Facility Type:	ER
DER Facility ID:	84168
Site ID:	402037
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2008-07-31
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2008-07-31

HARRISON HIGH SCHOOL (Continued) **S103573585**

CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-01
Spill Record Last Update:	2008-08-16
Spiller Name:	ERTSDESK
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	"STAIN/SPILL BETWEEN DIESEL GENERATOR & TRANSFORMER - CON ED TO CLEAN UP."
Remarks:	"1 PINT AND CONED # 212875"

All Materials:

Site ID:	402037
Operable Unit ID:	1158808
Operable Unit:	01
Material ID:	2149895
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0805010 / 2008-07-31
Facility ID:	0805010
Facility Type:	ER
DER Facility ID:	84168
Site ID:	402038
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2008-07-31
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2008-07-31
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True

HARRISON HIGH SCHOOL (Continued) **S103573585**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-01
Spill Record Last Update:	2008-08-01
Spiller Name:	ERTSDESK
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	"8 OZ TO BLUESTONE & SAND. CLEAN UP UNDERWAY. -- NFA"
Remarks:	" 4 OUNCES AND CLEANING UP CONED #212876 "

All Materials:

Site ID:	402038
Operable Unit ID:	1158809
Operable Unit:	01
Material ID:	2149896
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Click this hyperlink while viewing on your computer to access
8 additional NY SPILL: record(s) in the EDR Site Report.

NY MANIFEST:

Name:	HARRISON HIGH SCHOOL
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYR000076356
Facility Status:	Not reported
Location Address 1:	225 UNION AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000076356
Mailing Name:	HARRISON HIGH SCHOOL
Mailing Contact:	JOHN MASCIOLA
Mailing Address 1:	225 UNION AVE
Mailing Address 2:	Not reported
Mailing City:	HARRISON
Mailing State:	NY
Mailing Zip:	10528
Mailing Zip 4:	Not reported

HARRISON HIGH SCHOOL (Continued) **S103573585**

Mailing Country:	USA
Mailing Phone:	9146303018

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD986607380
Generator Ship Date:	12/01/2017
Trans1 Recv Date:	12/01/2017
Trans2 Recv Date:	12/05/2017
TSD Site Recv Date:	12/11/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000076356
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NCD000648451
TSDF ID 2:	Not reported
Manifest Tracking Number:	011142746FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	D007
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

F39 **CON ED SUB STATION** **NY Spills** **S111738754**
North **295 UNION ED** **N/A**
< 1/8 **HARRISON, NY**
0.115 mi.
607 ft. **Site 11 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

SPILLS:

Name:	CON ED SUB STATION
Address:	295 UNION ED
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1114339 / 2014-02-21
Facility ID:	1114339
Facility Type:	ER
DER Facility ID:	416823
Site ID:	462393
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	6028
Spill Date:	2012-03-26
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2012-03-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-03-26
Spill Record Last Update:	2014-02-21
Spiller Name:	ERT
Spiller Company:	UNKNOWN
Spiller Address:	295 UNION ED
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"3/26/12- Spoke to Mike Beto at ERT desk. during excavation work, encountered impacted soils. Samples taken; cleanup pending. DT"
Remarks:	"unk material in soil. c/u pending"

All Materials:

Site ID:	462393
Operable Unit ID:	1212462
Operable Unit:	01
Material ID:	2210339
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.25
Units:	L
Recovered:	Not reported
Oxygenate:	Not reported

F40 **CON EDISON** **PA MANIFEST** **S125059027**
North **295 UNION AVE** **N/A**
< 1/8 **HARRISON, NY 10528**
0.115 mi.
607 ft. **Site 12 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

Manifest Details:

Year:	2018
Manifest Number:	011679237FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYP004210440
Generator Date:	04/07/2018
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	1
Container Type:	Cargo tanks (tank trucks)
Waste Quantity:	1000
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

F41 **CON EDISON - HARRISON SUBSTATION** **RCRA-SQG** **1010566386**
North **295 UNION AVE** **NY MANIFEST** **NYR000149716**
< 1/8 **HARRISON, NY 10528** **NJ MANIFEST**
0.115 mi.
607 ft. **Site 13 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

RCRA-SQG:

Date Form Received by Agency:	2007-09-17 00:00:00.0
Handler Name:	CON EDISON - HARRISON SUBSTATION
Handler Address:	295 UNION AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYR000149716
Contact Name:	CRAIG R LITTLE
Contact Address:	TARRYTOWN RD
Contact City,State,Zip:	GREENBURGH, NY 10607
Contact Telephone:	914-422-8173
Contact Fax:	Not reported
Contact Email:	LITTLECR@CONED.COM
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	TARRYTOWN RD
Mailing City,State,Zip:	GREENBURGH, NY 10607
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CON EDISON
Legal Status:	Private
Date Became Current:	1972-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CON EDISON
Legal Status:	Private
Date Became Current:	1960-01-05 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2007-09-17 00:00:00.0
Handler Name:	CON EDISON - HARRISON SUBSTATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Receive Date:	2007-09-18 00:00:00.0
Handler Name:	CON EDISON - HARRISON SUBSTATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	22112
NAICS Description:	ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYR000149716
Facility Status:	Not reported
Location Address 1:	UNION AVE
Code:	BP
Location Address 2:	HARRISON S/S
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000149716
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address 1:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124602808

NY MANIFEST:

Document ID:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	12/17/2012
Trans1 Recv Date:	12/17/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/18/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000149716
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD980593636
TSDF ID 2:	Not reported
Manifest Tracking Number:	004806813FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	75
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B004
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYR000149716
Mail Address:	TARRYTOWN RD
Mail City/State/Zip:	GREENBURGH, NY 10607
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	CRAIG R LITTLE
Comments:	Not reported
SIC Code:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	000180158GBF
EPA ID:	NYR000149716
Date Shipped:	09/20/2007
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/20/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/20/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	GREENBURGH, NY 10607
Reason Load Was Rejected:	Not reported

EPA Id:	NYR000076356
Mail Address:	UNION AVE
Mail City/State/Zip:	HARRISON, NY 10528
Facility Phone:	Not reported
Emergency Phone:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Contact:	THOMAS DIBUONO
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	005221389JJK
EPA ID:	NYR000076356
Date Shipped:	6/26/2012
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NY0000182675
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	HARRISON, NY 10528
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Quantity:	40.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	36.00 Pounds
Manifest Number:	013554536JJK
EPA ID:	NYR000076356
Date Shipped:	8/26/2015
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NY0000182675
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	HARRISON, NY 10528
Reason Load Was Rejected:	Not reported

I42 NE < 1/8 0.125 mi. 659 ft. | **ADLER - UST 232 UNION AVE HARRISON, NY** | **NY Spills** | **S121119572 N/A**

Site 1 of 3 in cluster I

Relative: Higher

Actual: 146 ft.

SPILLS:

Name:	ADLER - UST
Address:	232 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1706731 / 2017-12-06
Facility ID:	1706731
Facility Type:	ER
DER Facility ID:	514682
Site ID:	561054
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	6028
Spill Date:	2017-10-11
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2017-10-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-10-11
Spill Record Last Update:	2017-12-07
Spiller Name:	BRUCE ADLER
Spiller Company:	Bruce Adler
Spiller Address:	232 UNION AVE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"10/11/17 Royal Environmental pulled 550 UST, found holes in tank. Tank had been previously abandoned but not cleaned. No obvious signs of contamination found in soil. Samples will be taken for analysis. Tank left on site for insurance to view. No GW impacts, no waterways on property. Home believed to be on municipal water. No contact information for owner, but called and left message with realtor to call duty desk with contact information. ga 10/11/17 Spoke to homeowner. Confirmed no waterways, home on municipal water. Will have Royal do cleanup. Sending draft guidance by Regular Mail. ga 12/7/17: Advanced Environmental disposed of the leaking UST and a total of 33.74 tons of petroleum contaminated soil. Documentation submitted to DEC has been entered into D2/DecDocs. Based upon the information provided, no further action is required at this time. jod"
Remarks:	"550 gallon tank being removed, holes found in tank. clean up is pending"

All Materials:

Site ID:	561054
Operable Unit ID:	1309040
Operable Unit:	01

ADLER - UST (Continued) **S121119572**

Material ID:	2316109
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

J43 **BROADWAY REAL ESTATE SERVICES LLC** **RCRA-VSQG** **1004755933**
NNW **600 MAMARONECK AVE** **FINDS** **NY0000878652**
1/8-1/4 **HARRISON, NY 10528** **ECHO**
0.143 mi. **NJ MANIFEST**
755 ft. **Site 1 of 2 in cluster J**

Relative:
Lower

Actual:
56 ft.

RCRA-VSQG:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Handler Address:	600 MAMARONECK AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NY0000878652
Contact Name:	OZZIE G ROSA
Contact Address:	MAMARONECK AVE
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-774-8668
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	MAMARONECK AVE
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	MENDIK REALTY
Owner Type:	Private
Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	X001
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	2001-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Owner/Operator Name:	BROADWAY PARTNERS
Legal Status:	Private
Date Became Current:	2001-07-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	375 PARK AVE #2107
Owner/Operator City,State,Zip:	NEW YORK, NY 10152
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BROADWAY PARTNERS
Legal Status:	Private
Date Became Current:	2001-07-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	375 PARK AVE #2107
Owner/Operator City,State,Zip:	NEW YORK, NY 10152
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1994-10-11 00:00:00.0
Handler Name:	MENDIK REALTY - 600 MAMARONECK AVE
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-09-15 00:00:00.0
Handler Name: BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004320315

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004755933
Registry ID: 110004320315
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004320315
Name: BROADWAY REAL ESTATE SERVICES LLC
Address: 600 MAMARONECK AVE
City,State,Zip: HARRISON, NY 10528

NJ MANIFEST:
EPA Id: NY0000878652
Mail Address: 600 MAMARONECK AVENUE

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Mail City/State/Zip:	HARRISON 10528
Facility Phone:	9146986571
Emergency Phone:	Not reported
Contact:	OZZIE ROSA
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5114501
EPA ID:	NY0000878652
Date Shipped:	10/22/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/22/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/27/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	01120522
Was Load Rejected:	HARRISON 10528
Reason Load Was Rejected:	Not reported

J44 NNW 1/8-1/4 0.143 mi. 755 ft. | **MENDIK REALITY**
600 MAMARONECK AVE - BASEMENT
HARRISON, NY 10528
Site 2 of 2 in cluster J

NY LTANKS **S105230142**
NY MANIFEST **N/A**

Relative: Lower
Actual: 56 ft.

LTANKS:

Name:	BROADWAY SAXON OFFICE BLG
Address:	600 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0109357 / 2002-04-26
Facility ID:	0109357
Site ID:	135729
Spill Date:	2001-12-21
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	WCHD
Referred To:	Westchester Cnty Health Dept
Reported to Dept:	2001-12-21
CID:	322
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-21
Spill Record Last Update:	2003-09-04
Spiller Name:	JOHN SHRANKER
Spiller Company:	Not reported
Spiller Address:	600 MAMARONECK AVE
Spiller County:	001
Spiller Contact:	JOHN SHRANKER
Spiller Phone:	(914) 698-6571
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	116528
DEC Memo:	""
Remarks:	"Tank test failure - "

All TTF:

Facility ID:	0109357
Spill Number:	0109357
Spill Tank Test:	1526778
Site ID:	135729
Tank Number:	1
Tank Size:	15000
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F

MENDIK REALITY (Continued) **S105230142**

Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 135729
Operable Unit ID: 846691
Operable Unit: 01
Material ID: 530562
Material Code: 0002A
Material Name: #4 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

NY MANIFEST:
Name: MENDIK REALITY
Address: 600 MAMARONECK AVE - BASEMENT
City,State,Zip: HARRISON, NY 10528
Country: USA
EPA ID: NY0000878652
Facility Status: Not reported
Location Address 1: 600 MAMARONECK AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: HARRISON
Location State: NY
Location Zip: 10528
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NY0000878652
Mailing Name: MENDIK REALITY
Mailing Contact: SEVERINO GIANSANTO
Mailing Address 1: 600 MAMARONECK AVE
Mailing Address 2: Not reported
Mailing City: HARRISON
Mailing State: NY
Mailing Zip: 10528
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 0000000000

NY MANIFEST:
Document ID: NJA5114501
Manifest Status: Not reported
seq: Not reported
Year: 2004
Trans1 State ID: 03217
Trans2 State ID: Not reported
Generator Ship Date: 10/22/2004
Trans1 Recv Date: 10/22/2004

MENDIK REALITY (Continued) **S105230142**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/27/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000878652
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F001 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00150
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

45 ENE 1/8-1/4 0.147 mi. 774 ft. | **CON EDISON**
9 WINFIELD AVE
HARRISON, NY 10528 | **RCRA NonGen / NLR**
NY MANIFEST | **1014398093**
NYP004204442

Relative: Higher

Actual: 148 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2010-03-17 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		9 WINFIELD AVE
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004204442
Contact Name:		PAUL WALSH
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		347-203-0646
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		4 IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		Yes
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON (Continued) **1014398093**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2010-09-10 11:20:29.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2010-03-17 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

CON EDISON (Continued) **1014398093**

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	9 WINFIELD AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004204442
Facility Status:	Not reported
Location Address 1:	9 9 WINFIELD AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004204442
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	03/17/2010
Trans1 Recv Date:	03/17/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/26/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004204442
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD077444263
TSDF ID 2:	Not reported
Manifest Tracking Number:	005843648JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	Y
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported

CON EDISON (Continued) **1014398093**

Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1540
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	30
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	B002
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

K46 **CON ED - V 5471** **RCRA NonGen / NLR** **1007206220**
SSW **450 MAMARONECK AVE / S/O** **NY MANIFEST** **NYP004005914**
1/8-1/4 **HARRISON, NY 10628**
0.155 mi.
821 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
48 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		1998-02-28 00:00:00.0
Handler Name:	CON ED - V 5471	
Handler Address:		450 MAMARONECK AVE / S/O
Handler City,State,Zip:		HARRISON, NY 10628-0000
EPA ID:		NYP004005914
Contact Name:		ANTHONY DRUMMINGS
Contact Address:		CONSOLIDATED EDISON INC
Contact City,State,Zip:		NEW YORK, NY 10003-0000
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R3
Mailing Address:		CONSOLIDATED EDISON INC
Mailing City,State,Zip:		NEW YORK, NY 10003-0000
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No

CON ED - V 5471 (Continued) **1007206220**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	1998-02-27 00:00:00.0

CON ED - V 5471 (Continued) **1007206220**

Handler Name: CON ED - V 5471
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-02-28 00:00:00.0
Handler Name: CON ED - V 5471
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-02-26 00:00:00.0
Handler Name: CON ED - V 5471
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 22111
NAICS Description: ELECTRIC POWER GENERATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: 450 MAMARONECK AVE / S/O

CON ED - V 5471 (Continued) **1007206220**

City,State,Zip:	HARRISON, NY 10628-0000
Country:	USA
EPA ID:	NYP004005914
Facility Status:	Not reported
Location Address 1:	V 5196 - 450 MAMK
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	QUEENS
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004005914
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124602808

NY MANIFEST:

Document ID:	NYG0123165
Manifest Status:	C
seq:	Not reported
Year:	1997
Trans1 State ID:	GX3213
Trans2 State ID:	Not reported
Generator Ship Date:	03/21/1997
Trans1 Recv Date:	03/21/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/24/1997
Part A Recv Date:	04/02/1997
Part B Recv Date:	04/08/1997
Generator EPA ID:	NYP004005914
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD980593636
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB

CON ED - V 5471 (Continued) **1007206220**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	02018
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

K47 **450 MAMARONECK AVENUE LLC** **NY AST** **A100395288**
SSW **450 MAMARONECK AVENUE** **N/A**
1/8-1/4 **HARRISON, NY 10528**
0.155 mi.
821 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
48 ft.

WESTCHESTER CO. AST:

Name:	450 MAMARONECK AVENUE LLC
Address:	450 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
PBS Number:	3-496855
Site Status:	Active
GDS Number:	Not reported
Operator Name:	450 Mamaroneck Avenue LLC
Owner Name:	450 Mamaroneck Avenue LLC
Owner Street:	P.O Box 349
Owner Address2:	Not reported
Owner City/State/Zip:	White Plains, NY 10605
Tank Number:	1
Status:	1. In-Service
Date Installation:	10/01/1980
Capacity:	5000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	6. Aboveground in subterranean vault with access for inspections
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Leak Detection:	6. Impervious Barrier/Concrete Pad (Aboveground Only)
Tank Secondary Containment:	2. Vault (w/ access),10. Impervious Underlayment (AST Only)
Piping Location:	3. Aboveground/Underground Combination
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	1. Painted/Asphalt Coating
Piping Leak Detection:	9. Exempt suction piping
Piping Secondary Containment:	1. Diking (aboveground only)
Overfill Prevention:	5. Vent Whistle
Spill Prevention:	0. None
Dispenser:	3. Gravity
Tank Number:	2
Status:	1. In-Service
Date Installation:	01/01/1983

450 MAMARONECK AVENUE LLC (Continued) **A100395288**

Capacity:	100
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating,Day Tank
Tank Leak Detection:	6. Impervious Barrier/Concrete Pad (Aboveground Only)
Tank Secondary Containment:	10. Impervious Underlayment (AST Only)
Piping Location:	1. Aboveground
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	0. None
Piping Leak Detection:	0. None
Piping Secondary Containment:	0. None
Overfill Prevention:	2. High Level Alarm
Spill Prevention:	0. None,Day Tank
Dispenser:	2. Suction

I48 **HARRISON HIGH SCHOOL** **NY UST** **U004333887**
NE **255 UNION AVENUE** **N/A**
1/8-1/4 **HARRISON, NY 10528**
0.165 mi.
871 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
150 ft.

NY UST:
No Details: No Details

I49 **REAL ESTATE - TTF** **NY LTANKS** **S118263464**
NE **228 UNION AVE** **N/A**
1/8-1/4 **HARRISON, NY**
0.168 mi.
886 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
150 ft.

LTANKS:

Name:	REAL ESTATE - TTF
Address:	228 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1505635 / Not Reported
Facility ID:	1505635
Site ID:	513013
Spill Date:	2015-08-25
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	2015-08-26
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported

REAL ESTATE - TTF (Continued) **S118263464**

Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	4
Date Entered In Computer:	2015-08-26
Spill Record Last Update:	2019-05-10
Spiller Name:	None given by caller
Spiller Company:	Bank Owned Foreclosure
Spiller Address:	228 UNION AVE
Spiller County:	999
Spiller Contact:	PAUL SCORZELLI
Spiller Phone:	914-557-3491
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	467556
DEC Memo:	"House is in foreclosure, bank is selling. Caller is representing the buyer. The real estate agent for the bank has agreed to have the tank removed. Caller does not have contact inof for the bank but he will get it and email J O'Dee....mm"
Remarks:	"TANK REMOVAL IN PROGRESS SPILL UNKNOWN"

All Materials:

Site ID:	513013
Operable Unit ID:	1262250
Operable Unit:	01
Material ID:	2265768
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

L50 **SPILL NUMBER 9908460** **NY LTANKS** **S104620544**
SE **49 WINDFIELD RD** **N/A**
1/8-1/4 **HARRISON, NY**
0.173 mi.
916 ft. **Site 1 of 2 in cluster L**

Relative:
Lower

Actual:
99 ft.

LTANKS:

Name:	SPILL NUMBER 9908460
Address:	49 WINDFIELD RD
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9908460 / 2000-01-25
Facility ID:	9908460
Site ID:	225239
Spill Date:	1999-10-11
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-10-12

SPILL NUMBER 9908460 (Continued) **S104620544**

CID:	365
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-10-12
Spill Record Last Update:	2000-02-07
Spiller Name:	COBEN RESIDENCE
Spiller Company:	Not reported
Spiller Address:	49 WINDFIELD RD
Spiller County:	001
Spiller Contact:	COBEN RESIDENCE
Spiller Phone:	(914) 777-3141
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	185931
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/12/99 OIL LEAKING THRU FOUNDATION WALL & DRAINING INTO SUMP PIT WHICH DISCHARGES OUTSIDE HOUSE. SUMP UNPLUGGED, CLEANED BASEMENT AND PUMPED OUT TANK. TEMPORARY TANK SET UP. HOMEOWNER CONTACTING INSURANCE COMPANY. 01/25/2000 DUTCHESS ENV. PULLED TANK AND DISPOSED OF 20.785 TONS OF CONTAMINATED SOIL FOR CLEAR PROGRAM. TANK PASSED A TANK TEST PERFORMED BY ATS IN APPROXIMATELY MARCH. TANK HAD SEVERAL LARGE HOLES. DEC INSPECTED SITE. CLEANUP COMPLETE. NFA"
Remarks:	"1000 GALLON UNDERGROUND TANK LEAKED #2 DIESEL FUEL - OIL WAS SOAKED UP & PUMPED THE TANK DRY"

All Materials:

Site ID:	225239
Operable Unit ID:	1087135
Operable Unit:	01
Material ID:	297581
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

51
ESE
1/8-1/4
0.182 mi.
960 ft.

CON EDISON POLE: W44
50 WEST ST & CENTURY TRAIL
HARRISON, NY 10528

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1016149262
NYP004279253

Relative:
Higher

Actual:
159 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2017-07-28 00:00:00.0
Handler Name:	CON EDISON POLE: W44	
Handler Address:		50 WEST ST & CENTURY TRAIL
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004279253
Contact Name:		DONALD SENNO

CON EDISON POLE: W44 (Continued) **1016149262**

Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	914-925-6219
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	SR SPECIALIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PL, RM 828
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

CON EDISON POLE: W44 (Continued) **1016149262**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-11-27 14:42:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2012-11-29 00:00:00.0
Handler Name: CON EDISON POLE: W44	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2017-07-28 00:00:00.0
Handler Name: CON EDISON POLE: W44	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

CON EDISON POLE: W44 (Continued) **1016149262**

Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055468523

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016149262
Registry ID:	110055468523
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055468523
Name:	CON EDISON POLE: W44
Address:	50 WEST ST & CENTURY TRAIL
City,State,Zip:	HARRISON, NY 10528

NY MANIFEST:

Name:	CON EDISON
Address:	50 WEST ST & CENTURY TRAIL
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004279253
Facility Status:	Not reported
Location Address 1:	550 WEST ST
Code:	BP
Location Address 2:	POLE W44 EMIS 232218
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004279253
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

CON EDISON POLE: W44 (Continued) **1016149262**

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	11/29/2012
Trans1 Recv Date:	11/29/2012
Trans2 Recv Date:	12/12/2012
TSD Site Recv Date:	12/13/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004279253
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	001675766GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H132
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	580
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	5
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M52 NE 1/8-1/4 0.189 mi. 999 ft. | **CON EDISON**
226 UNION AV WEST ST
HARRISON, NY 10528

Site 1 of 4 in cluster M | **NY MANIFEST** | **S117318344**
N/A

Relative: Higher

Actual: 154 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	226 UNION AV WEST ST
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004658662
Facility Status:	Not reported
Location Address 1:	226 UNION AV WEST ST
Code:	BP
Location Address 2:	MH11329
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004658662
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/16/2014
Trans1 Recv Date:	09/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004658662
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770750JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117318344**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	60
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M53 **RESIDENCE** **NY LTANKS** **S104877298**
NE **226 UNION AVE** **N/A**
1/8-1/4 **HARRISON, NY**
0.189 mi.
999 ft. **Site 2 of 4 in cluster M**

Relative:
Higher

Actual:
154 ft.

LTANKS:

Name:	RESIDENCE
Address:	226 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0009722 / 2005-04-10
Facility ID:	0009722
Site ID:	143793
Spill Date:	2000-11-24
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D6
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-11-27
CID:	389
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-11-27
Spill Record Last Update:	2005-04-10

RESIDENCE (Continued) **S104877298**

Spiller Name:	JACK DINOFFER
Spiller Company:	RESIDENCE
Spiller Address:	226 UNION AVE
Spiller County:	001
Spiller Contact:	JACK DINOFFER
Spiller Phone:	(914) 835-3758
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	122601
DEC Memo:	"11/28/2000 TANK TEST FAILURE LETTER SENT. 04/10/05 NON-REGULATED TTF. NO RETEST OR CLOSURE INFORMATION SUBMITTED TO DEC. SPILL ADMINISTRATIVELY CLOSED AS PER DIRECTIVE FROM CENTRAL OFFICE. jod"
Remarks:	"CALLER REPORTING A SPILL OF MATERIAL FROM A TANK FAILURE NO CLEAN UP HAS BEEN PREFORMED AND NO CALLBACK IS NECESSARY"

All TTF:

Facility ID:	0009722
Spill Number:	0009722
Spill Tank Test:	1526000
Site ID:	143793
Tank Number:	Not reported
Tank Size:	0
Material:	0066A
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	143793
Operable Unit ID:	830754
Operable Unit:	01
Material ID:	543660
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

54 ENE 1/8-1/4 0.200 mi. 1055 ft. | **LAZARUS 627 WEST ST HARRISON, NY** | **NY LTANKS** | **S103823968 N/A**

Relative: Higher

Actual: 159 ft.

LTANKS:

Name:	LAZARUS
Address:	627 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9808846 / 1998-11-04
Facility ID:	9808846
Site ID:	186305
Spill Date:	1998-10-15
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1998-10-16
CID:	366
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-16
Spill Record Last Update:	1999-01-16
Spiller Name:	Not reported
Spiller Company:	ALLYSON LAZARUS
Spiller Address:	627 WEST ST
Spiller County:	001
Spiller Contact:	ALLYSON LACARUS
Spiller Phone:	(914) 698-7743
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	155738
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE NES PULLED TANK AND 97.32 TONS SOIL"
Remarks:	"caller reporting that an underground tank was found to have holes in it. contaminated soil encountered."

All Materials:

Site ID:	186305
Operable Unit ID:	1066229
Operable Unit:	01
Material ID:	316330
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

L55 SE 1/8-1/4 0.204 mi. 1077 ft. | **BROWN RESIDENCE 53 WINFIELD AVE HARRISON, NY** | **NY LTANKS** | **S103824863 N/A**

Site 2 of 2 in cluster L

Relative: Lower

Actual: 86 ft.

LTANKS:

Name:	BROWN RESIDENCE
Address:	53 WINFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9815233 / 1999-07-16
Facility ID:	9815233
Site ID:	119554
Spill Date:	1999-03-23
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-03-24
CID:	384
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-03-24
Spill Record Last Update:	1999-07-22
Spiller Name:	WALTER BROWN
Spiller Company:	BROWN RESIDENCE
Spiller Address:	53 WINFIELD AVE
Spiller County:	001
Spiller Contact:	WALTER BROWN
Spiller Phone:	(914) 381-2510
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	103842
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 03/24/99 HOMOWNER PLAN TO REPLACE/REPAIR FILL PIPE; PLAN TO RETEST. 10 MILES FROM KENSICO RESERVOIR. "
Remarks:	"TANK TESTED FOR INSURANCE PROGRAMS"

All TTF:

Facility ID:	9815233
Spill Number:	9815233
Spill Tank Test:	1546972
Site ID:	119554
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U

BROWN RESIDENCE (Continued) **S103824863**

Leak Rate: .00
Gross Fail: F
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 119554
Operable Unit ID: 1073248
Operable Unit: 01
Material ID: 308349
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

N56 **CON EDISON** **RCRA NonGen / NLR** **1014398688**
NNW **UNION AVE & MAMARONECK AVE** **NY MANIFEST** **NYP004210449**
1/8-1/4 **HARRISON, NY 10528** **NJ MANIFEST**
0.217 mi.
1146 ft. **Site 1 of 2 in cluster N**

Relative:
Lower

Actual:
51 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2020-04-13 00:00:00.0
Handler Name: CON EDISON
Handler Address: UNION AVE & MAMARONECK AVE
Handler City,State,Zip: HARRISON, NY 10528
EPA ID: NYP004210449
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 02
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: NY
State District: NYSDEC R2
Mailing Address: Not reported
Mailing City,State,Zip: Not reported
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

CON EDISON (Continued) **1014398688**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-13 15:33:30.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:		2010-07-03 00:00:00.0
Handler Name:	CON EDISON	

CON EDISON (Continued) **1014398688**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-04-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	UNION AVE & MAMARONECK AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004210449
Facility Status:	Not reported
Location Address 1:	M9456 - HARRISON SUBSTATION UNION AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004210449
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	THOMAS TEELING
Mailing Address 1:	4 IRVING PL RM 828
Mailing Address 2:	Not reported

CON EDISON (Continued) **1014398688**

Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/03/2010
Trans1 Recv Date:	07/03/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/04/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004210449
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	003533292JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	Y
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H111
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

CON EDISON (Continued) **1014398688**

NJ MANIFEST:

EPA Id:	NYP004210449
Mail Address:	4 IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	DAVID DUKE
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	003533292JJK
EPA ID:	NYP004210449
Date Shipped:	07/03/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/03/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/04/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported

CON EDISON (Continued) **1014398688**

Was Load Rejected: NEW YORK, NY 10003
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D008
Hand Code: H111
Quantity: 300 P

N57
NNW
1/8-1/4
0.219 mi.
1157 ft.

CONSOLIDATED EDISON
MAMARONECK & UNION
HARRISON, NY 10528

NY MANIFEST **1009242875**
N/A

Site 2 of 2 in cluster N

Relative:
Lower

Actual:
50 ft.

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: MAMARONECK & UNION
City,State,Zip: HARRISON, NY 10528
Country: USA
EPA ID: NYP004121463
Facility Status: Not reported
Location Address 1: MAMARONECK & UNION
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: HARRISON
Location State: NY
Location Zip: 10528
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004121463
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address 1: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124602808

NY MANIFEST:
Document ID: NYE0589608
Manifest Status: Not reported
seq: Not reported
Year: 2004
Trans1 State ID: 96591JE
Trans2 State ID: Not reported
Generator Ship Date: 06/10/2004
Trans1 Recv Date: 06/10/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/11/2004

CONSOLIDATED EDISON (Continued) **1009242875**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004121463
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD980593
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00200
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00

M58 **HARRISON CENTRAL SCHOOL DIST** **RCRA NonGen / NLR** **1001119624**
NE **UNION AVE & WEST ST CORNER OF** **NY MANIFEST** **NYR000029132**
1/8-1/4 **HARRISON, NY 10528**
0.223 mi.
1176 ft. **Site 3 of 4 in cluster M**

Relative:
Higher

Actual:
165 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Handler Address:	UNION AVE & WEST ST CORNER OF
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYR000029132
Contact Name:	JOHN BLAKE
Contact Address:	UNION AVE & WEST ST CORNER OF
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-681-6384
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	District
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	UNION AVE & WEST ST CORNER OF
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	HARRISON CENTRAL SCHOOL DIST
Owner Type:	District
Operator Name:	HARRISON CENTRAL SCHOOL DIST
Operator Type:	District
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-835-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-835-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-835-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1996-09-11 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	HARRSION HIGH SCHOOL
Address:	UNION AVE & WEST ST CORNER OF
City,State,Zip:	HARRISON, NY 10528
Country:	USA

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

EPA ID:	NYR000029132
Facility Status:	Not reported
Location Address 1:	UNION AVENUE AND WEST STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000029132
Mailing Name:	HARRSION HIGH SCHOOL
Mailing Contact:	JOHN BLAKE/RANDI SMITH
Mailing Address 1:	123 MAIN STREET
Mailing Address 2:	Not reported
Mailing City:	WHITE PLAINS
Mailing State:	NY
Mailing Zip:	10601
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146816384

NY MANIFEST:

Document ID:	NYG2455227
Manifest Status:	Not reported
seq:	01
Year:	2000
Trans1 State ID:	WI010
Trans2 State ID:	Not reported
Generator Ship Date:	11/14/2000
Trans1 Recv Date:	11/14/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/20/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000029132
Trans1 EPA ID:	WID988566543
Trans2 EPA ID:	Not reported
TSDF ID 1:	AZ0000337360
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00

M59 **CON EDISON VAULT: 1742** **RCRA NonGen / NLR** **1016966160**
NE **WEST ST & UNION AVE** **NY MANIFEST** **NYP004390159**
1/8-1/4 **HARRISON, NY 10528**
0.226 mi.
1191 ft. **Site 4 of 4 in cluster M**

Relative:
Higher

Actual:
164 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2013-12-13 00:00:00.0
Handler Name:	CON EDISON VAULT: 1742	
Handler Address:		WEST ST & UNION AVE
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004390159
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No

CON EDISON VAULT: 1742 (Continued) **1016966160**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2014-07-01 11:43:40.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2013-11-13 00:00:00.0
Handler Name: CON EDISON VAULT: 1742	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CON EDISON VAULT: 1742 (Continued) **1016966160**

Receive Date:	2013-12-13 00:00:00.0
Handler Name:	CON EDISON VAULT: 1742
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	WEST ST & UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004390159
Facility Status:	Not reported
Location Address 1:	WEST ST & UNION AVE
Code:	BP
Location Address 2:	V 1742
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004390159
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported

CON EDISON VAULT: 1742 (Continued) **1016966160**

seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	11/13/2013
Trans1 Recv Date:	11/13/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/19/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004390159
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011695041JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	75
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O60 **CON EDISON** **RCRA NonGen / NLR** **1014398808**
East **23 ROLLING HILLS LN FO** **NY MANIFEST** **NYP004211777**
1/8-1/4 **HARRISON, NY 10528**
0.244 mi.
1290 ft. **Site 1 of 2 in cluster O**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:		2020-04-13 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		23 ROLLING HILLS LN FO
Handler City,State,Zip:		HARRISON, NY 10528

Actual:
157 ft.

CON EDISON (Continued) **1014398808**

EPA ID:	NYP004211777
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

CON EDISON (Continued) **1014398808**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-13 15:34:44.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2010-07-20 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-04-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

CON EDISON (Continued) **1014398808**

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	23 ROLLING HILLS LN FO
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004211777
Facility Status:	Not reported
Location Address 1:	IFO 23 ROLLING HILLS LN
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004211777
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/20/2010
Trans1 Recv Date:	07/20/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/23/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004211777
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	006874718JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N

CON EDISON (Continued) **1014398808**

Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1484
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	Not reported
Waste Code 1_2:	B002
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O61 **RESIDENCE** **NY LTANKS** **S102555846**
East **23 ROLLING HILLS LANE** **NY Spills** **N/A**
1/8-1/4 **HARRISON, NY**
0.244 mi.
1290 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
157 ft.

LTANKS:

Name:	RESIDENCE
Address:	23 ROLLING HILLS LANE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9615054 / 1997-11-10
Facility ID:	9615054
Site ID:	292969
Spill Date:	1997-03-31
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1997-03-31
CID:	266
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1997-03-31

RESIDENCE (Continued) **S102555846**

Spill Record Last Update:	1998-01-29
Spiller Name:	Not reported
Spiller Company:	ROBERT BRUSKIN
Spiller Address:	23 ROLLING HILLS LANE
Spiller County:	001
Spiller Contact:	ROBERT BRUSKIN
Spiller Phone:	(914) 835-2202
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	237133
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 12/12/97 ORIGINALLY A TTF; NES REMOVED THE TANK & 24 TONS OF CONTAMINATED SOIL; "
Remarks:	"SPILLER NOTIFIED OF RESULTS. SPILLER TOLD TO HAVE TANK EVACUATED. US TANK TECH WILL THEN ISOLATE TANK AND RETEST."

All TTF:

Facility ID:	9615054
Spill Number:	9615054
Spill Tank Test:	1545051
Site ID:	292969
Tank Number:	Not reported
Tank Size:	1500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	292969
Operable Unit ID:	1042582
Operable Unit:	01
Material ID:	336588
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	RESIDENTIAL
Address:	23 ROLLING HILLS LN
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1704913 / 2017-08-16
Facility ID:	1704913
Facility Type:	ER

RESIDENCE (Continued) **S102555846**

DER Facility ID:	510705
Site ID:	557181
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2017-08-16
Investigator:	LXRICCI
Referred To:	Not reported
Reported to Dept:	2017-08-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-08-16
Spill Record Last Update:	2017-08-21
Spiller Name:	Not reported
Spiller Company:	coned
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	TIM REGAN
DEC Memo:	"8-21-17 spill cleaned up by con ed NFA LR"
Remarks:	"1 quart .The cleanup is pending."

All Materials:

Site ID:	557181
Operable Unit ID:	1305205
Operable Unit:	01
Material ID:	2311914
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

62
NE
1/4-1/2
0.266 mi.
1405 ft.

LOWENTHAL RESIDENCE
222 UNION AVE
HARRISON, NY

NY LTANKS **S105999454**
N/A

Relative:
Higher

Actual:
166 ft.

LTANKS:

Name:	LOWENTHAL RESIDENCE
Address:	222 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0304298 / 2003-11-18
Facility ID:	0304298
Site ID:	278541

LOWENTHAL RESIDENCE (Continued) **S105999454**

Spill Date:	2003-07-23
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-07-23
CID:	322
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-07-23
Spill Record Last Update:	2003-11-18
Spiller Name:	LOWENTHAL
Spiller Company:	Not reported
Spiller Address:	222 UNION AVE
Spiller County:	001
Spiller Contact:	LOWENTHAL
Spiller Phone:	(914) 698-0808
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	226172
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 11/18/03 NETS DISPOSED OF LUST AND 26.11 TONS OF CONTAMINATED SOIL."
Remarks:	"during tank removal contaminated soil found - "

All Materials:

Site ID:	278541
Operable Unit ID:	872553
Operable Unit:	01
Material ID:	505150
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

63
ESE
1/4-1/2
0.271 mi.
1430 ft.

POLE 16
45 CENTURY TRAIL RD
HARRISON, NY

NY LTANKS **S106000017**
NY Spills **N/A**

Relative:
Higher

Actual:
151 ft.

LTANKS:

Name:	LIOR RESIDENCE
Address:	45 CENTURY TRAIL
City,State,Zip:	HARRISON, NY

POLE 16 (Continued) **S106000017**

Spill Number/Closed Date:	0306739 / 2003-12-01
Facility ID:	0306739
Site ID:	208637
Spill Date:	2003-09-25
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-09-25
CID:	282
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-09-25
Spill Record Last Update:	2003-12-01
Spiller Name:	SAME
Spiller Company:	RON LIOR
Spiller Address:	45 CENTURY TRAIL
Spiller County:	001
Spiller Contact:	ALISE BECCARIA
Spiller Phone:	(203) 775-9447
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	173126
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 12/01/03 NETS DISPOSED OF LUST AND 41.78 TONS OF CONTAMINATED SOIL. SAMPLE RESULTS ND."
Remarks:	"THERE WERE HOLES IN THE TOP OF THE TANK.TANK WAS IN THE GROUND TANK SIZE IS 1,000 GALLON. "

All Materials:

Site ID:	208637
Operable Unit ID:	875496
Operable Unit:	01
Material ID:	503927
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	POLE 16
Address:	45 CENTURY TRAIL RD
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0913364 / 2010-03-19

POLE 16 (Continued) **S106000017**

Facility ID:	0913364
Facility Type:	ER
DER Facility ID:	375176
Site ID:	426302
DEC Region:	3
Spill Cause:	Other
Spill Class:	C4
SWIS:	6028
Spill Date:	2010-03-19
Investigator:	JYMCCART
Referred To:	Not reported
Reported to Dept:	2010-03-19
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-03-19
Spill Record Last Update:	2010-03-19
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"3-19-10 Spoke with Con Ed. Cleanup will be completed. NFA jm"
Remarks:	"approx 3 gallons from overhead tranformer onto soil/asphalt due to stom damage, clean up is pending."

All Materials:

Site ID:	426302
Operable Unit ID:	1181989
Operable Unit:	01
Material ID:	2176130
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

---

64 **ZUCKER** **NY LTANKS** **S102556023**
SE **11 CRICKLEWOOD LA** **N/A**
1/4-1/2 **HARRISON, NY**
0.295 mi.
1557 ft.

Relative:
Lower

Actual:
59 ft.

LTANKS:

Name:	ZUCKER
Address:	11 CRICKLEWOOD LA
City,State,Zip:	HARRISON, NY

ZUCKER (Continued) **S102556023**

Spill Number/Closed Date:	9614522 / 1998-09-28
Facility ID:	9614522
Site ID:	99511
Spill Date:	1997-03-17
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	BUZZELLI
Referred To:	Not reported
Reported to Dept:	1997-03-17
CID:	369
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1997-03-17
Spill Record Last Update:	2003-09-29
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	BESS ZUCKER
Spiller Phone:	(914) 698-7027
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	88419
DEC Memo:	""
Remarks:	"tank failure resulting in contaminated soil of unknown amount "

All Materials:

Site ID:	99511
Operable Unit ID:	1045896
Operable Unit:	01
Material ID:	339631
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

P65 ENE 1/4-1/2 0.338 mi. 1787 ft. | **BOHN - TTF (POOL TANK)**
225 UNION AVE
HARRISON, NY

Site 1 of 2 in cluster P

NY LTANKS | **S118462495**
N/A

Relative: Higher

Actual: 155 ft.

LTANKS:

Name:	BOHN - TTF (POOL TANK)
Address:	225 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1509092 / 2016-12-12
Facility ID:	1509092
Site ID:	517697
Spill Date:	2015-12-07
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2015-12-07
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2015-12-07
Spill Record Last Update:	2016-12-12
Spiller Name:	Dr Bohn
Spiller Company:	Ian Bohn
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	BOHN
Spiller Phone:	(917) 607-3939
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	187471
DEC Memo:	"12-7-15 Spoke to Kathy. Tank failed hissing, popping and dripping. Tech reports 6 of oil/water mix. Owner is Iian Bohn. Left message for Iian to call 3121. jc 12/18/15: Call from prospective buyer Charlie Vicaro at C: 914-874-4278 He states this test was performed for a short sale. New owner Dr Bohn. There are now three spill numbers on this property, including another open TTF from 2011. Message sent to US Tank tech requesting additional information. jod *Email from Kathy at US Tank Tech: The tank we tested 12/07/2015 is a 550-gallon underground fuel oil tank that heats the Pool House behind the Main House. It is a real estate transaction. Current owner we were given is Iian Bohn. That was the only tank we were hired to test. Per the Brokers Mark and Jan Vinikoor, this tank has not been used in 5 or 6 years. Our test failed hissing, popping and dripping. 12/24/15: US Tank Tech's Computer Notes from the 2001 TTF entered into DecDocs. jod 12/12/2016: NES disposed of the leaking UST and a total of 3.88 tons of petroleum contaminated soil. Post excavation soil sample results submitted for review. Report entered into DecDocs. Based upon the information provided, no further action is required at this time.

BOHN - TTF (POOL TANK) (Continued) **S118462495**

	jod"
Remarks:	"550 gal ust"

All TTF:

Facility ID:	1509092
Spill Number:	1509092
Spill Tank Test:	2499777
Site ID:	517697
Tank Number:	UST
Tank Size:	550
Material:	0001
EPA UST:	False
UST:	True
Cause:	99
Source:	00
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	517697
Operable Unit ID:	1266766
Operable Unit:	01
Material ID:	2270721
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

P66 **BINDER - TTF** **NY LTANKS** **S104951157**
ENE **225 UNION AVE** **N/A**
1/4-1/2 **HARRISON, NY**
0.338 mi.
1787 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
155 ft.

LTANKS:

Name:	BINDER - TTF
Address:	225 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0100024 / 2001-06-19
Facility ID:	0100024
Site ID:	227125
Spill Date:	2001-04-02
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	A3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported

BINDER - TTF (Continued) **S104951157**

Reported to Dept:	2001-04-02
CID:	397
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-04-02
Spill Record Last Update:	2015-12-24
Spiller Name:	RESIDENT
Spiller Company:	MICHAEL BINDER
Spiller Address:	225 UNION AVE
Spiller County:	001
Spiller Contact:	RESIDENT
Spiller Phone:	(914) 777-2925
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	187471
DEC Memo:	"06/19/2001 DUTCHESS ENVIRONMENTAL PULLED TANK AND DISPOSED OF 12,750 GALLONS OF CONTAMINATED GROUNDWATER AND 589 TONS OF CONTAMINATED SOIL. NO FURTHER ACTION. 12/24/15: Two additional TTF Spill numbers have been reported for this property. US Tank Tech's computer notes from this Tank Test failure obtained and entered into DecDocs for this Spill number and for Spill 1509092 as well. jod"
Remarks:	"tank test failure alternate number for resident 914 835 4748"

All TTF:

Facility ID:	0100024
Spill Number:	0100024
Spill Tank Test:	1526187
Site ID:	227125
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	227125
Operable Unit ID:	838592
Operable Unit:	01
Material ID:	539300
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

BINDER - TTF (Continued) **S104951157**

Units: G
Recovered: .00
Oxygenate: Not reported

Name: BINDER - TTF/CONTAMIN
Address: 225 UNION AVE
City,State,Zip: HARRISON, NY
Spill Number/Closed Date: 1100743 / 2016-12-12
Facility ID: 1100743
Site ID: 448171
Spill Date: 2011-04-14
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C5
Cleanup Ceased: Not reported
SWIS: 6028
Investigator: JBODEE
Referred To: Not reported
Reported to Dept: 2011-04-21
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2011-04-21
Spill Record Last Update: 2016-12-12
Spiller Name: Not reported
Spiller Company: Binder Residence
Spiller Address: Not reported
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 187471
DEC Memo: "4-21-11 Tank test failure. Sounds like in ullage. jc 4-28-11 Changed to Remediation phase based on O'Mara directive. jc 8/01/13: This tank may have been installed in April of 2001. The previous UST had been leaking and over 500 tons of contaminated soil was removed. See Spill 0100024. No further info received on this TTF to date. jod 12/07/15: A second tank test failure was called in for this property by US Tank Tech, reported as Spill 1509092. jod 12/12/16: See Spill 1509092 for closure report. NFA jod"
Remarks: "unknown status - house listed with real estate broker - repair/cleanup pending"

All TTF:
Facility ID: 1100743
Spill Number: 1100743
Spill Tank Test: 2493977
Site ID: 448171
Tank Number: 1
Tank Size: 550
Material: 0001

BINDER - TTF (Continued) **S104951157**

EPA UST:	False
UST:	True
Cause:	99
Source:	00
Test Method:	NN
Test Method 2:	Testing Not Required
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	448171
Operable Unit ID:	1198408
Operable Unit:	01
Material ID:	2194683
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Q67
West
1/4-1/2
0.362 mi.
1912 ft.

SPILL NUMBER 0302418
30 STONEWALL LANE
MAMARONECK, NY

NY LTANKS **S105999155**
NY Spills **N/A**

Site 1 of 3 in cluster Q

Relative:
Higher

Actual:
178 ft.

LTANKS:

Name:	SPILL NUMBER 0302418
Address:	30 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0302418 / 2003-10-23
Facility ID:	0302418
Site ID:	86870
Spill Date:	2003-06-06
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	A3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-06-06
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	2003-07-24
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-06-06

SPILL NUMBER 0302418 (Continued) **S105999155**

Spill Record Last Update:	2003-10-23
Spiller Name:	OWNER
Spiller Company:	SEIDENBERG RES
Spiller Address:	30 STONEWALL LANE
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	79637
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 06/15/03 ROBISON EXCAVATED TANK AND FOUND CONTAMINATION AND FREE PRODUCT. REPORTED SECOND SPILL AS 03-02766. 07/24/03 DICK LOUIS OF ENVIROSHIELD REPORTS CONTAMINATION GOES UNTO NEIGHBORING PROPERTY. 10/23/03 ENVIROSHIELD DISPOSED OF LUST, 5,100 GALLONS OF CONTAMINATED GROUND WATER, AND 367.63 TONS OF CONTAMINATED SOIL. SOME RESIDUAL CONTAMINATION COULD NOT BE REMOVED BUT FINAL SAMPLE RESULTS WERE BENEATH TAGM LIMITS. NFA REQUIRED."
Remarks:	""

All TTF:

Facility ID:	0302418
Spill Number:	0302418
Spill Tank Test:	1528434
Site ID:	86870
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	86870
Operable Unit ID:	870163
Operable Unit:	01
Material ID:	506895
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	SEIDENBERG RESIDENCE
Address:	30 STONEWALL LANE

SPILL NUMBER 0302418 (Continued) **S105999155**

City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0302766 / 2003-10-23
Facility ID:	0302766
Facility Type:	ER
DER Facility ID:	79637
Site ID:	103617
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	A3
SWIS:	6032
Spill Date:	2003-06-15
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-06-15
CID:	365
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2003-07-24
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-06-15
Spill Record Last Update:	2003-10-23
Spiller Name:	PAUL SEIDENBERG
Spiller Company:	Not reported
Spiller Address:	30 STONEWALL LN
Spiller Company:	001
Contact Name:	PAUL SEIDENBERG
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 06/17/03 ALSO REPORTED AS 0302418. 10/23/03 ENVIROSHIELD DISPOSED OF LUST AND 367.63 TONS OF CONTAMINATED SOIL. SEE SPILL 0302418 FOR CLOSURE REPORT. NFA REQUIRED."
Remarks:	"Mike Praileau is on scene 914-490-9216 - tank is 1/4 dug up - oil around tank "

All Materials:

Site ID:	103617
Operable Unit ID:	869582
Operable Unit:	01
Material ID:	507220
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Q68
WSW
1/4-1/2
0.363 mi.
1916 ft.

SPILL NUMBER 0310047
25 STONEWALL LANE
MAMARONECK, NY

Site 2 of 3 in cluster Q

NY LTANKS **S106124426**
N/A

Relative:
Higher

Actual:
182 ft.

LTANKS:

Name:	SPILL NUMBER 0310047
Address:	25 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0310047 / 2004-09-09
Facility ID:	0310047
Site ID:	331462
Spill Date:	2003-11-26
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-11-26
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2004-09-09
Spiller Name:	MARK TSCHANTRE
Spiller Company:	RESIDENCE
Spiller Address:	25 STONEWALL LANE
Spiller County:	001
Spiller Contact:	MARK TSCHANTRE
Spiller Phone:	(914) 804-3296
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	266594
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 09/09/04 ROYAL ENVIRONMENTAL DISPOSED OF LUST AND CONTAMINATED SOIL. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jbo"
Remarks:	"while removing the tank land owner spotted a small leak"

All Materials:

Site ID:	331462
Operable Unit ID:	877709
Operable Unit:	01
Material ID:	498996
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

R69 WSW 1/4-1/2 0.385 mi. 2033 ft. | **16 FAIRWAY DRIVE**
16 FAIRWAY DRIVE
MAMARONECK, NY

Site 1 of 6 in cluster R

NY LTANKS | **S105996974**
N/A

Relative: Higher

Actual: 186 ft.

LTANKS:

Name:	16 FAIRWAY DRIVE
Address:	16 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0207106 / 2003-02-19
Facility ID:	0207106
Site ID:	325410
Spill Date:	2002-10-09
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-10-09
CID:	204
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-10-09
Spill Record Last Update:	2003-02-19
Spiller Name:	MR SAHAI
Spiller Company:	16 FAIRWAY DRIVE
Spiller Address:	16 FAIRWAY DRIVE
Spiller County:	001
Spiller Contact:	RICHARD RAPPAPORT
Spiller Phone:	(914) 761-8020
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	262125
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/09/02: 1,000 GAL UST EXCAVATED AND FUEL OIL IN GROUNDWATER AT LOCATION. ADVANCED ENV. WILL FINISH JOB & SEND REPORT. 02/19/03 ADVANCED DISPOSED OF 7.8 TONS OF CONTAMIN SOIL. EXIT SAMPLES ONLY TESTED FOR TPH. "
Remarks:	"MIXED WITH GROUNDWATER"

All Materials:

Site ID:	325410
Operable Unit ID:	859924
Operable Unit:	01
Material ID:	517691
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00

16 FAIRWAY DRIVE (Continued) **S105996974**

Oxygenate: Not reported

R70 WSW 1/4-1/2 0.385 mi. 2034 ft. **SPILL NUMBER 0007985 3 BOBBY CLOSE MAMARONECK, NY** **NY LTANKS** **S104782467 N/A**

Site 2 of 6 in cluster R

Relative: Higher

Actual: 187 ft.

LTANKS:

Name:	SPILL NUMBER 0007985
Address:	3 BOBBY CLOSE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0007985 / 2001-01-23
Facility ID:	0007985
Site ID:	193628
Spill Date:	2000-10-06
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-10-06
CID:	199
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-10-06
Spill Record Last Update:	2001-02-06
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	BRENDA CUMMINGS
Spiller Phone:	(914) 328-6549
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	161442
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/06/2000 APPROXIMATELY 7 TONS OF SOIL DISPOSED OF. CLOSURE REPORT TO BE SUBMITTED TO TT. 01/23/2001 ROYAL ENVIRONMENTAL COMPLETED WORK. DISPOSED OF 7.35 TONS OF CONTAMINATED SOIL. NO FURTHER ACTION REQUIRED."
Remarks:	"caller took over the tank removal job from another company (unk at this time) - when they found contaminated soil they were advised that the other company called for a spill number - however it was found that no one ever called in the spill - all contaminated soil removed by caller "

All Materials:

Site ID:	193628
Operable Unit ID:	830461

SPILL NUMBER 0007985 (Continued) **S104782467**

Operable Unit:	01
Material ID:	545502
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

S71 **PVT DWELLING** **NY LTANKS** **S111063851**
East **36 CENTURY TRAIL** **N/A**
1/4-1/2 **HARRISON, NY**
0.387 mi.
2043 ft. **Site 1 of 3 in cluster S**

Relative:
Lower

Actual:
99 ft.

LTANKS:

Name:	PVT DWELLING
Address:	36 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1102592 / 2011-08-22
Facility ID:	1102592
Site ID:	450111
Spill Date:	2011-06-07
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2011-06-07
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2011-06-07
Spill Record Last Update:	2011-08-22
Spiller Name:	Not reported
Spiller Company:	LEROUX
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	LEROUX
Spiller Phone:	(914) 315-1920
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	404701
DEC Memo:	"6-7-11 Spoke with Kathy. House is being sold. Tank test being performed for buyer. Broker for buyer is Joe Stilo 914-588-8916. Kathy informed both brokers of their options. Called and spoke with broker - Joe. Property owners have Proguard insurance and have notified them of tank test failure. Broker for homeowners is Donna

PVT DWELLING (Continued) **S111063851**

914-282-3274. They will be making a decision right away about their next step. jm 6/20/11: Residential TTF. No indication of a leak at this time. jod 7/26/11 Received a call from Kathy, tank was uncovered, repaired and retested and it failed again. Owner has ProGuard insurance. Hudson Valley Environmental Construction is going to remove tank...mm 08/19/11 Hudson Valley Environmental Construction reported that the tank was removed and that no contaminated soil was noted in the excavation. post excavation soil sample results were below DEC guidance values. NFA TG"

Remarks: "1000 gal ust"

All Materials:

Site ID:	450111
Operable Unit ID:	1200311
Operable Unit:	01
Material ID:	2196735
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

R72
WSW
1/4-1/2
0.387 mi.
2046 ft.

SPILL NUMBER 0012648
21 FAIRWAY DR
MAMARONECK, NY

NY LTANKS **S104950630**
N/A

Site 3 of 6 in cluster R

Relative:
Higher

Actual:
187 ft.

LTANKS:

Name:	SPILL NUMBER 0012648
Address:	21 FAIRWAY DR
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0012648 / 2001-06-26
Facility ID:	0012648
Site ID:	222362
Spill Date:	2001-02-27
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	WCHD
Referred To:	Westchester Cnty Health Dept
Reported to Dept:	2001-02-27
CID:	270
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-02-27
Spill Record Last Update:	2003-09-29

SPILL NUMBER 0012648 (Continued) **S104950630**

Spiller Name:	MARIE GOLDFARB
Spiller Company:	MR GOLDFARB
Spiller Address:	21 FAIRWAY DR
Spiller County:	001
Spiller Contact:	MARIE GOLDFARB
Spiller Phone:	(914) 698-0210
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	183856
DEC Memo:	""
Remarks:	"no comments"

All TTF:

Facility ID:	0012648
Spill Number:	0012648
Spill Tank Test:	1526120
Site ID:	222362
Tank Number:	Not reported
Tank Size:	1500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	16
Test Method 2:	Tracer Tight
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	222362
Operable Unit ID:	834192
Operable Unit:	01
Material ID:	542911
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

R73 **MENDELSON RESIDENCE** **NY LTANKS** **S100142012**
WSW **14 FAIRWAY DRIVE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.388 mi.
2049 ft. **Site 4 of 6 in cluster R**

Relative:
Higher

Actual:
187 ft.

LTANKS:

Name:	MENDELSON RESIDENCE
Address:	14 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9011575 / 1991-02-06
Facility ID:	9011575

MENDELSON RESIDENCE (Continued) **S100142012**

Site ID:	307297
Spill Date:	1991-02-04
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	1991-02-05
SWIS:	6032
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1991-02-04
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1991-02-05
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-02-06
Spill Record Last Update:	1991-02-19
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	248168
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 02/19/91: CONTAMINATED SOIL HAD BEEN REMOVED AND STOCKPILED. SOME GROUNDWATER WITH A SMALL AMOUNT OF SURFACE OIL WAS PRESENT. CONKLIN CALLED FOR AVAC TRUCK BEFORE THE NEW TANK WAS INSTALLED. "
Remarks:	"13 YEAR OLD TANK HAD LEAK SOIL EXCAVATED WILL DISPOSE"

All Materials:

Site ID:	307297
Operable Unit ID:	948598
Operable Unit:	01
Material ID:	428112
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

R74 WSW 1/4-1/2 0.392 mi. 2070 ft. | **ABRAHAM RESIDENCE 4 BOBBY CLOSE MAMARONECK, NY** | **NY LTANKS** | **S108298576 N/A**

Site 5 of 6 in cluster R

Relative: Higher

Actual: 188 ft.

LTANKS:

Name:	ABRAHAM RESIDENCE
Address:	4 BOBBY CLOSE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0607824 / 2007-03-23
Facility ID:	0607824
Site ID:	371644
Spill Date:	2006-10-10
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	B4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2006-10-10
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2006-10-10
Spill Record Last Update:	2007-03-23
Spiller Name:	VALERIE ABRAHAMS
Spiller Company:	ABRAHAM RESIDENCE
Spiller Address:	4 BOBBY CLOSE ROAD
Spiller County:	001
Spiller Contact:	VALERIE ABRAHAMS
Spiller Phone:	(914) 777-8206
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	321398
DEC Memo:	"Waiting for insurance company action. Will be in contact with J.O'Dee. 11/17/06 Northeast Environmental reported that the LUST was removed along with 21.67 tons of PCS. NFA TG"
Remarks:	"1000 gallon tank had holes and contaminated soil"

All Materials:

Site ID:	371644
Operable Unit ID:	1129401
Operable Unit:	01
Material ID:	2119063
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

75 ESE 1/4-1/2 0.395 mi. 2088 ft. | **GOLDSTEIN HOME**
6 PALMA DRIVE
HARRISON, NY | **NY LTANKS** | **S106972106**
N/A

Relative: Lower

Actual: 99 ft.

LTANKS:

Name:	GOLDSTEIN HOME
Address:	6 PALMA DRIVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0503666 / 2005-09-11
Facility ID:	0503666
Site ID:	348298
Spill Date:	2005-06-27
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2005-06-27
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-06-27
Spill Record Last Update:	2005-12-07
Spiller Name:	JUDY GOLDSTEIN
Spiller Company:	GOLDSTEIN HOME
Spiller Address:	6 PALMER DRIVE
Spiller County:	001
Spiller Contact:	JUDY GOLDSTEIN
Spiller Phone:	(914) 835-2421
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	294666
DEC Memo:	"06/27/05: Holes in tank & contaminated soil found. September 11, 2005: ENVIROSHIELD DISPOSED OF LUST AND 38.05 TONS OF CONTAMINATED SOIL. SOME RESIDUAL CONTAMINATION COULD NOT BE REMOVED DUE TO STRUCTURAL CONSIDERATIONS. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks:	"LEAKING TANK: PROPOSING TO CLEAN UP NO GROUNDWATER EFFECTED:"

All Materials:

Site ID:	348298
Operable Unit ID:	1105955
Operable Unit:	01
Material ID:	1968450
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00

GOLDSTEIN HOME (Continued) **S106972106**

Oxygenate: Not reported

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76 SSE 1/4-1/2 0.398 mi. 2101 ft. | **MERVINE RESIDENCE**
18 BRAXMAR DRIVE SOUTH
HARRISON, NY | **NY LTANKS** | **S106000006**
N/A

Relative: Lower

Actual: 66 ft.

LTANKS:

Name:	MERVINE RESIDENCE
Address:	18 BRAXMAR DRIVE SOUTH
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0306683 / 2004-02-02
Facility ID:	0306683
Site ID:	178255
Spill Date:	2003-09-24
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-09-24
CID:	281
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-09-24
Spill Record Last Update:	2004-02-02
Spiller Name:	SAME
Spiller Company:	DAVID MERVINE
Spiller Address:	SAME
Spiller County:	001
Spiller Contact:	STEVEN JONES
Spiller Phone:	(203) 384-6020
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	149719
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/02/04 CTR DISPOSED OF LUST AND 7.74 TONS OF CONTAMINATED SOIL. SAMPLE RESULTS BELOW TAGM LIMITS. NFA jbo"
Remarks:	"Soil contamintion discovered during tank removal at above location. Tank has been removed and cleanup is pending insurance company approval."

All Materials:

Site ID:	178255
Operable Unit ID:	873113
Operable Unit:	01
Material ID:	503874
Material Code:	0001A
Material Name:	#2 fuel oil

MERVINE RESIDENCE (Continued) **S106000006**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Q77 **TTF** **NY LTANKS** **S113820389**
WSW **26 STONEWALL LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.402 mi.
2120 ft. **Site 3 of 3 in cluster Q**

Relative:
Higher

Actual:
181 ft.

LTANKS:

Name:	TTF
Address:	26 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	1304672 / 2013-11-19
Facility ID:	1304672
Site ID:	485206
Spill Date:	2013-07-29
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2013-07-29
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2013-07-29
Spill Record Last Update:	2013-11-19
Spiller Name:	Not reported
Spiller Company:	ZARKIN
Spiller Address:	26 STONEWALL LANE
Spiller County:	999
Spiller Contact:	SHERRY PALEY
Spiller Phone:	917-359-9052
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	440359
DEC Memo:	"Spoke to homeowner. House is for sale, have a buyer. The tank is scheduled to be removed by Northeast Env the first week of September. Homeowner has ProGuard Ins...mm 9/09/13: UST removed by Northeast. Tank is leaking, contaminated soil evident. A second Spill number of 1305871 was reported. jod 11/19/2013: Tank Closure Report from Northeast Environmental reviewed and entered into EDocs. Based upon information provided, no further action required at this time. jod"
Remarks:	""

TTF (Continued) **S113820389**

All TTF:

Facility ID:	1304672
Spill Number:	1304672
Spill Tank Test:	2493965
Site ID:	485206
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	False
UST:	True
Cause:	03
Source:	01
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	485206
Operable Unit ID:	1234875
Operable Unit:	01
Material ID:	2233966
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

78
ENE
1/4-1/2
0.405 mi.
2136 ft.

RESIDENCE
210 UNION AVE
HARRISON, NY

NY LTANKS **S104621430**
N/A

Relative:
Higher

Actual:
152 ft.

LTANKS:

Name:	RESIDENCE
Address:	210 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0000678 / 2000-07-27
Facility ID:	0000678
Site ID:	117298
Spill Date:	2000-04-17
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-04-17
CID:	252

RESIDENCE (Continued) **S104621430**

Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-04-17
Spill Record Last Update:	2000-07-31
Spiller Name:	MR PERMUTT
Spiller Company:	RESIDENCE
Spiller Address:	210 UNION AVE
Spiller County:	001
Spiller Contact:	MR PERMUTT
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	102051
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE "
Remarks:	"ULLAGE FAILURE-RECOMMEND TO ISOLATE TANK AND RE-TEST."

All TTF:

Facility ID:	0000678
Spill Number:	0000678
Spill Tank Test:	1525501
Site ID:	117298
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	117298
Operable Unit ID:	822344
Operable Unit:	01
Material ID:	288918
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

79 West 1/4-1/2 0.414 mi. 2184 ft. | **FIELDS RESIDENCE**
28 STONEWALL LANE
MAMARONECK, NY | **NY LTANKS** | **S106000138**
N/A

Relative: Higher

Actual: 170 ft.

LTANKS:

Name:	FIELDS RESIDENCE
Address:	28 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0307225 / 2004-02-02
Facility ID:	0307225
Site ID:	146551
Spill Date:	2003-10-09
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-10-09
CID:	216
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-09
Spill Record Last Update:	2004-02-02
Spiller Name:	HARRY FIELDS
Spiller Company:	HARRY FIELDS
Spiller Address:	28 STONEWALL LANE
Spiller County:	001
Spiller Contact:	SUSAN HOWARD
Spiller Phone:	(800) 394-2268
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	124795
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/02/04 MADISON DISPOSED OF LUST AND 12.5 TONS OF CONTAMINATED SOIL. SOME RESIDUAL CONTAMINATION COULD NOT BE EXCAVATED DUE TO STRUCTURAL CONSIDERATIONS. SAMPLE RESULTS BELOW TAGM LIMITS. CLOSURE REPORT FROM HYDRO ENVIRONMENTAL SOLUTIONS. NFA jbo"
Remarks:	"SPILL UNDERGROUND TANK UNK AMMONT IN SOIL 275 GALLON TANK TANK WAS REMOVED "

All Materials:

Site ID:	146551
Operable Unit ID:	873781
Operable Unit:	01
Material ID:	500780
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G

FIELDS RESIDENCE (Continued) **S106000138**

Recovered: .00
Oxygenate: Not reported

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80 SSE 1/4-1/2 0.418 mi. 2205 ft. **GEISMAR - SEIDEN RESIDENCE**
87 WINFIELD AVE
HARRISON, NY

NY LTANKS **S111836508**
N/A

Relative: Lower
Actual: 48 ft.

LTANKS:

Name:	GEISMAR - SEIDEN RESIDENCE
Address:	87 WINFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1200715 / 2012-06-15
Facility ID:	1200715
Site ID:	463368
Spill Date:	2012-04-23
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2012-04-23
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2012-04-23
Spill Record Last Update:	2012-06-15
Spiller Name:	JACK HUGHES
Spiller Company:	GEIGMAN - SEIDEN RESIDENCE
Spiller Address:	87 WINFIELD AVE
Spiller County:	999
Spiller Contact:	JACK HUGHES
Spiller Phone:	914472-7700
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	417767
DEC Memo:	"4/23/12: Residential TTF, unregulated UST, unknown age. Tank was tested for prospective buyer in pending real estate transaction. Current plan of action is to excavate, inspect, repipe and retest. jod 6/5/2012 -- Tank was retested and passed. Once we get that report, spill can be closed. ELM 6/12/12: On June 1st I received an e-mail from Paul Scorzelli of Accurate Tank Testing: >>> li >paulsaccurate@aol.com> 6/1/2012 8:39 AM >>> Good morning John, I'm sending a copy of tank test report as per your request.This tank was tested by another company originally and failed. The owner Mr.Seiden called me in to retest and it passed. Please see attachments for your copy of tightness test.The Spill # is12-00715 please get back to me on what needs to be done as far as getting the spill # closed.Thanks. *The attachment to his e-mail was not a copy of the passing tank

GEISMAR - SEIDEN RESIDENCE (Continued) **S111836508**

test. It was a spread sheet listing the serial numbers and calibration expiration dates of his testing equipment. I replied to his e-mail requesting a copy of the passing tank test results. jod 6/15/12: I received the retest results - they will be scanned into edocs. Based upon the limited information received, no further action is required at this time. jod"

Remarks: "retest planned"

All Materials:

Site ID:	463368
Operable Unit ID:	1213464
Operable Unit:	01
Material ID:	2211425
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

R81
WSW
1/4-1/2
0.418 mi.
2206 ft.

SPILL NUMBER 0201855
12 FAIRWAY DRIVE
MAMARONECK, NY

NY LTANKS **S105995912**
N/A

Site 6 of 6 in cluster R

Relative:
Higher

Actual:
188 ft.

LTANKS:

Name:	SPILL NUMBER 0201855
Address:	12 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0201855 / 2003-01-28
Facility ID:	0201855
Site ID:	227808
Spill Date:	2002-05-20
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-05-21
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-05-21
Spill Record Last Update:	2003-01-28
Spiller Name:	OWNER
Spiller Company:	SANJIV NAYAR
Spiller Address:	12 FAIRWAY DRIVE

SPILL NUMBER 0201855 (Continued) **S105995912**

Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	187994
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 01/28/03 ADVANCED DISPOSED OF 3.33 TONS CONTAMIN SOIL. NFA"
Remarks:	"PULLED TANK AND FOUND CONTAMINATED SOIL. GROUND WATER AND FREE PRODUCT."

All Materials:

Site ID:	227808
Operable Unit ID:	852826
Operable Unit:	01
Material ID:	523269
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

S82 **CHESKIS RESIDENCE** **NY LTANKS** **S111836549**
East **34 CENTURY TRAIL** **NY Spills** **N/A**
1/4-1/2 **HARRISON, NY**
0.420 mi.
2218 ft. **Site 2 of 3 in cluster S**

Relative:
Lower

Actual:
78 ft.

LTANKS:

Name:	CHESKIS
Address:	34 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1201343 / 2012-12-12
Facility ID:	1201343
Site ID:	464037
Spill Date:	2012-05-10
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2012-05-10
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2012-05-10
Spill Record Last Update:	2012-12-12

CHESKIS RESIDENCE (Continued) **S111836549**

Spiller Name:	Not reported
Spiller Company:	CHESKIS
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	CHESKIS
Spiller Phone:	914-835-0065
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	418432
DEC Memo:	"5/10/12- Spoke to owner, Herb Cheskis. He reports that Robison Oil is handling next step. Advised him that DEC must be contacted with what will be done; retest or removal. DT Tank removed by Castlton Environmental. See Spill 1204010. NFA. TG"
Remarks:	"1000gal ust"

All Materials:

Site ID:	464037
Operable Unit ID:	1214117
Operable Unit:	01
Material ID:	2212136
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

SPILLS:

Name:	CHESKIS RESIDENCE
Address:	34 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1204010 / 2016-04-07
Facility ID:	1204010
Facility Type:	ER
DER Facility ID:	418432
Site ID:	466867
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	6028
Spill Date:	2012-07-24
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2012-07-24
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

CHESKIS RESIDENCE (Continued) **S111836549**

Date Entered In Computer:	2012-07-24
Spill Record Last Update:	2016-04-07
Spiller Name:	Not reported
Spiller Company:	PROPERTY OWNER
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	JESSE DEGORANOMO
DEC Memo:	"7-24-12 Spoke with Jennifer. She says this is a 1k UST that was removed. Homeowners are checking with insurance company for coverage. Jennifer also says that T of Harrison bldg was on site for inspection during removal. Cleanup on hold until this is determined. jm Previously reported as TTF Spill 1201343. jod 4/07/16: Closure report is in EDocs/DecDocs. Submitted in November of 2012. Documenting disposal of 64 tons of contaminated soil. jod"
Remarks:	"cleanup pending"

All Materials:

Site ID:	466867
Operable Unit ID:	1216844
Operable Unit:	01
Material ID:	2215056
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

83
ESE
1/4-1/2
0.422 mi.
2227 ft.

ALBILIA RESIDENCE
37 ROLLING HILLS LANE
HARRISON, NY

NY LTANKS **S110309456**
N/A

Relative:
Lower

Actual:
118 ft.

LTANKS:

Name:	ALBILIA RESIDENCE
Address:	37 ROLLING HILLS LANE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1000212 / 2010-09-03
Facility ID:	1000212
Site ID:	431373
Spill Date:	2010-04-06
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D5
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2010-04-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False

ALBILIA RESIDENCE (Continued) **S110309456**

Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2010-04-06
Spill Record Last Update:	2010-09-03
Spiller Name:	JIM ROOD
Spiller Company:	ALBILIA
Spiller Address:	37 ROLLING HILLS LANE
Spiller County:	999
Spiller Contact:	JIM ROOD
Spiller Phone:	(845) 228-0076
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	380343
DEC Memo:	"4/6/10 - Tank test failure. Property owner needs to notified about failure. Most likely tank will be romved. KAB 08/04/10 Northeast Environmental reported that they excavated and removed the tank along with 21.57 tons of petroleum contaminated soil. Poste excavation TAGM soil sample results were below DEC gudiance values. NFA. TG"
Remarks:	"tank removal pending"

All Materials:

Site ID:	431373
Operable Unit ID:	1182825
Operable Unit:	01
Material ID:	2177029
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

S84 **QUITTEL / REAL ESTATE - TTF** **NY LTANKS** **S118462564**
East **35 CENTURY TRAIL** **N/A**
1/4-1/2 **HARRISON, NY**
0.422 mi.
2228 ft. **Site 3 of 3 in cluster S**

Relative:
Lower

Actual:
78 ft.

LTANKS:

Name:	QUITTEL / REAL ESTATE - TTF
Address:	35 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1510698 / 2016-03-22
Facility ID:	1510698
Site ID:	522394
Spill Date:	2016-02-03
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2016-02-03

QUITTEL / REAL ESTATE - TTF (Continued) **S118462564**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2016-02-03
Spill Record Last Update:	2016-03-22
Spiller Name:	ROBIN QUITTEL
Spiller Company:	Quittel Estate
Spiller Address:	35 CENTURY TRAIL
Spiller County:	999
Spiller Contact:	ROBIN QUITTEL
Spiller Phone:	(646) 422-9744
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	476664
DEC Memo:	"2-3-16: Spoke with Robin - homeowner. Potential buyer was testing tank. This is her fathers home who recently passed away. She says that this tank was just tested (and passed) on 11 May 2015 by ATS just before the house was going on the market. She was given contractor names (Northeast Env and Madison Env) by U S Tank. Told her to have contractor contact DEC as work moves forward. jm 3/22/16: Madison Environmental disposed of the leaking UST and approximately 5.79 tons of petroleum contaminated soil. Soil sample results submitted for review. Tank Closure Report entered into DecDocs system. Based upon the information provided, no further action is required at this time. jod"
Remarks:	"unknown retest"

All TTF:

Facility ID:	1510698
Spill Number:	1510698
Spill Tank Test:	2499881
Site ID:	522394
Tank Number:	UST
Tank Size:	1000
Material:	0001
EPA UST:	False
UST:	True
Cause:	99
Source:	00
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	522394
Operable Unit ID:	1271408
Operable Unit:	01
Material ID:	2275626
Material Code:	0001A

QUITTEL / REAL ESTATE - TTF (Continued) **S118462564**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

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85 ENE 1/4-1/2 0.431 mi. 2275 ft. **RESIDENTIAL - TTF 5 CENTURY TRAIL HARRISON, NY** **NY LTANKS** **S118707778 N/A**

Relative: Higher

Actual: 153 ft.

LTANKS:

Name:	RESIDENTIAL - TTF
Address:	5 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1603305 / 2016-08-16
Facility ID:	1603305
Site ID:	529759
Spill Date:	2016-07-06
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2016-07-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2016-07-06
Spill Record Last Update:	2016-08-16
Spiller Name:	Not reported
Spiller Company:	Unnamed
Spiller Address:	5 CENTURY TRAIL
Spiller County:	999
Spiller Contact:	JAMES Rood
Spiller Phone:	(845) 228-0076
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	483859
DEC Memo:	"Jim Rood is assisting the homeowner and helping make decisions regarding what should be done for the sale...mm 8/16/16: UST removed by Lighthouse Environmental. No evidence of a leak or of significant contamination was found. Closure documentation entered into the DecDocs. Based upon the available information, no further action is required at this time. jod"
Remarks:	"tank test failure"

RESIDENTIAL - TTF (Continued) **S118707778**

All Materials:

Site ID:	529759
Operable Unit ID:	1278579
Operable Unit:	01
Material ID:	2283499
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

86
North
1/4-1/2
0.431 mi.
2275 ft.

NYS DOT
PURDY AVE
WHITE PLAINS, NY

NY LTANKS **S100165929**
N/A

Relative:
Lower

Actual:
77 ft.

LTANKS:

Name:	NYS DOT
Address:	PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9309143 / 1994-03-14
Facility ID:	9309143
Site ID:	297450
Spill Date:	1993-10-28
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1994-03-14
SWIS:	6017
Investigator:	wxwadswo
Referred To:	Not reported
Reported to Dept:	1993-10-28
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1993-11-08
Spill Record Last Update:	1994-05-26
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	240656
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was

NYS DOT (Continued) **S100165929**

Remarks:	W. WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST." "E.I.R. TANK AUDITOR GROSS"

All TTF:

Facility ID:	9309143
Spill Number:	9309143
Spill Tank Test:	1542139
Site ID:	297450
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	297450
Operable Unit ID:	990685
Operable Unit:	01
Material ID:	391807
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Name:	NYS DOT
Address:	PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	8801770 / 1989-01-24
Facility ID:	8801770
Site ID:	201435
Spill Date:	1988-05-26
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	1989-01-12
SWIS:	6000
Investigator:	jeokesso
Referred To:	Not reported
Reported to Dept:	1988-05-26
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1989-01-12

NYS DOT (Continued) **S100165929**

Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1988-06-02
Spill Record Last Update:	1989-01-24
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	167593
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON "
Remarks:	"4K FAILED AT .094 1K AT .520 GPH. PBS TO FOLLOW."

All TTF:

Facility ID:	8801770
Spill Number:	8801770
Spill Tank Test:	1533980
Site ID:	201435
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	201435
Operable Unit ID:	917235
Operable Unit:	01
Material ID:	568018
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

T87 WSW 1/4-1/2 0.455 mi. 2403 ft. | **SPILL NUMBER 0110714**
9 FAIRWAY DRIVE
MAMARONECK, NY

Site 1 of 2 in cluster T

NY LTANKS | **S105995132**
N/A

Relative: Higher

Actual: 184 ft.

LTANKS:

Name:	SPILL NUMBER 0110714
Address:	9 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0110714 / 2002-02-27
Facility ID:	0110714
Site ID:	150910
Spill Date:	2002-02-08
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-02-08
CID:	322
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-02-08
Spill Record Last Update:	2002-03-25
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	9 FAIRWAY DRIVE
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	128254
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/27/2002 TANK PULLED BY TANK DOCTOR. NO LEAK OR CONTAMINATION EVIDENT. NO FURTHER ACTION."
Remarks:	"tank test failure"

All TTF:

Facility ID:	0110714
Spill Number:	0110714
Spill Tank Test:	1526865
Site ID:	150910
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II

SPILL NUMBER 0110714 (Continued) **S105995132**

Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150910
Operable Unit ID:	849200
Operable Unit:	01
Material ID:	528334
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

88
WSW
1/4-1/2
0.458 mi.
2418 ft.

MENTA RESIDENCE
15 STONEWALL LANE
MAMARONECK, NY

NY LTANKS **S109064247**
N/A

Relative:
Higher

Actual:
180 ft.

LTANKS:

Name:	MENTA RESIDENCE
Address:	15 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0800586 / 2008-05-28
Facility ID:	0800586
Site ID:	396362
Spill Date:	2008-04-15
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2008-04-15
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-04-15
Spill Record Last Update:	2008-05-28
Spiller Name:	BRENDA CUMMINGS
Spiller Company:	PRIVATE HOME
Spiller Address:	15 STONEWALL LANE
Spiller County:	001
Spiller Contact:	BRENDA CUMMINGS

MENTA RESIDENCE (Continued) **S109064247**

Spiller Phone:	(914) 328-6549
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	345853
DEC Memo:	"05/21/08 Royal Environmental Services Corp reported that they excavated and removed one 1,000 gallon tank along with 11.25 tons of petroleum contaminated soil. Post excavation TAGM soil sample results were below DEC guidance values. NFA. TG"
Remarks:	"HOLES AND CONTAMINATED SOIL"

All TTF:

Facility ID:	0800586
Spill Number:	0800586
Spill Tank Test:	2453510
Site ID:	396362
Tank Number:	Not reported
Tank Size:	1000
Material:	Not reported
EPA UST:	Not reported
UST:	True
Cause:	03
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

Facility ID:	0800586
Spill Number:	0800586
Spill Tank Test:	2453511
Site ID:	396362
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	False
Cause:	Not reported
Source:	01
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

All Materials:

Site ID:	396362
Operable Unit ID:	1153320
Operable Unit:	01
Material ID:	2144085
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

MENTA RESIDENCE (Continued) **S109064247**

Units: G
Recovered: .00
Oxygenate: Not reported

T89 WSW 1/4-1/2 0.460 mi. 2427 ft. | **MRS MALCOLM**
3 BARNWALL LANE
MAMARONECK, NY | **NY LTANKS** **S103563592**
NY Spills **N/A**

Site 2 of 2 in cluster T

Relative: Higher

Actual: 186 ft.

LTANKS:

Name:	MALCOLM
Address:	3 BARNWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	1100709 / 2011-06-07
Facility ID:	1100709
Site ID:	448126
Spill Date:	2011-04-20
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2011-04-20
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2011-04-20
Spill Record Last Update:	2011-06-07
Spiller Name:	ADRIAN MALCOLM
Spiller Company:	ADRIAN
Spiller Address:	3 BARNWALL LANE
Spiller County:	999
Spiller Contact:	ADRIAN MALCOLM
Spiller Phone:	(212) 879-4434
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	172480
DEC Memo:	"4-20-11: V.Mc. call to Ms.MALCOLM: UST is aprx. 15 years old. Problem wiht old tank, was replaced with this tank. Poss. re-test to be done. Reqested callbk. if tank passes re-test. 6/7/2011: Advanced Environmental removed and disposed of tank. No evidence of leak or contamination was found. See eDocs. Based upon information provided to DEC, no further action is required at this time. jod"
Remarks:	"550g."

All Materials:

Site ID:	448126
Operable Unit ID:	1198374
Operable Unit:	01

MRS MALCOLM (Continued) **S103563592**

Material ID:	2194644
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

SPILLS:

Name:	MRS MALCOLM
Address:	3 BARNWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9009151 / 1991-01-15
Facility ID:	9009151
Facility Type:	ER
DER Facility ID:	172480
Site ID:	207851
DEC Region:	3
Spill Cause:	Other
Spill Class:	C3
SWIS:	6032
Spill Date:	1990-11-20
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1990-11-20
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1990-11-26
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-11-29
Spill Record Last Update:	2011-06-07
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 01/15/91: LUZON REMOVED THE TANK AND THE CONTAMINATED SOIL FROM THE SITE. "
Remarks:	"SERVICE CALL WATER IN TANK (UNDERGROUND) DUE TO WATER MAIN BREAK WATERSEEPING INTO TANK CAUSING OVERFLOW SORBANTS USED SLIGHT SHEEN ROBISON GIVING HER TEMP.BACK UP INDEP.CONTRACTOR TO DO WATER MAIN WK"

All Materials:

Site ID:	207851
Operable Unit ID:	949651
Operable Unit:	01
Material ID:	432918

MRS MALCOLM (Continued) **S103563592**

Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

---

90 SE 1/4-1/2 0.473 mi. 2496 ft. | **RESIDENCE 395 WEST ST HARRISON, NY** | **NY LTANKS** | **S105230151 N/A**

Relative: Lower

Actual: 64 ft.

LTANKS:

Name:	KOTIZAN
Address:	395 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0111356 / 2005-02-02
Facility ID:	0111356
Site ID:	259700
Spill Date:	2002-02-28
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6000
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-03-01
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-03-01
Spill Record Last Update:	2005-02-02
Spiller Name:	ANNE KOTIZAN
Spiller Company:	Not reported
Spiller Address:	395 WEST ST
Spiller County:	001
Spiller Contact:	ANDY CALDERONE
Spiller Phone:	(914) 593-0281
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	212380
DEC Memo:	"ALSO SPILL 01-09451. 02/02/05 ENVIROGUIDE DISPOSED OF LUST AND 6 DRUMS OF CONTAMINATED SOIL. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jbo"
Remarks:	"CALLER DID TANK REMOVAL AND DISCOVERED SOIL CONTAMINATION"

All Materials:

Site ID:	259700

RESIDENCE (Continued) **S105230151**

Operable Unit ID:	848423
Operable Unit:	01
Material ID:	525386
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SPILL NUMBER 0109451
Address:	395 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0109451 / 2003-09-04
Facility ID:	0109451
Site ID:	259699
Spill Date:	2001-12-26
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6000
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2001-12-26
CID:	365
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-26
Spill Record Last Update:	2005-02-02
Spiller Name:	ANNE
Spiller Company:	Not reported
Spiller Address:	395 WEST ST
Spiller County:	001
Spiller Contact:	ANNE
Spiller Phone:	(914) 967-6291
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	212380
DEC Memo:	"09/04/03 ENVIROGUIDE PULLED TANK AND FOUND CONTAMINATION. SECOND SPILL CALLED IN. SEE SPILL 01-11356 FOR FURTHER INFO. NFA THIS SPILL NUMBER."
Remarks:	"HORNER EZ3 TANK TEST - FAILED - THEY BELIEVE THAT THE TANK WILL BE REMOVED & THERE IS ALSO OIL IN THE GROUND - ITS AN UNDERGROUND TANK OUTSIDE THE RESIDENCE - IT IS A REALE ESTATE TRANSACTION"

All TTF:

Facility ID:	0109451
Spill Number:	0109451
Spill Tank Test:	1526784

RESIDENCE (Continued) **S105230151**

Site ID:	259699
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	259699
Operable Unit ID:	847815
Operable Unit:	01
Material ID:	530654
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RESIDENCE
Address:	395 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0410165 / 2005-05-03
Facility ID:	0410165
Site ID:	335038
Spill Date:	2004-12-13
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2004-12-13
CID:	407
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-12-13
Spill Record Last Update:	2005-05-03
Spiller Name:	CLIFF KHAGHAN
Spiller Company:	RESODENCE

RESIDENCE (Continued) **S105230151**

Spiller Address:	395 WEST ST
Spiller County:	001
Spiller Contact:	CLIFF KHAGHAN
Spiller Phone:	(914) 835-5264
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	270872
DEC Memo:	"5/03/05 Northeast Environmental reported that the tank was removed and 42.53 tons of soil was disposed at TPS Technologies. NFA. TG"
Remarks:	"Tank size 1000 gall"

All Materials:

Site ID:	335038
Operable Unit ID:	1097147
Operable Unit:	01
Material ID:	577101
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

91
ENE
1/4-1/2
0.478 mi.
2525 ft.

FELLER - TTF
189 UNION AVE
HARRISON, NY

NY LTANKS **S118638749**
N/A

Relative:
Higher

Actual:
153 ft.

LTANKS:

Name:	FELLER - TTF
Address:	189 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1512409 / 2016-08-01
Facility ID:	1512409
Site ID:	525225
Spill Date:	2016-03-30
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2016-03-31
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2016-03-31
Spill Record Last Update:	2016-08-01

FELLER - TTF (Continued) **S118638749**

Spiller Name:	MR FELLER
Spiller Company:	Feller
Spiller Address:	189 UNION AVE
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	479434
DEC Memo:	"3/31/16 Spoke to Tank tester, who said this was for a real estate transaction, and did not know what the homeowner was doing. I have left a phone message with the homeowner, dw 8/1/16: UST removed by Royal Environmental. No evidence of leak or significant contamination was found. Tank Closure report entered into DecDocs. Based upon the information provided, no further action is required at this time. jod"
	Not reported
Remarks:	"550 tank test failure."

All Materials:

Site ID:	525225
Operable Unit ID:	1274184
Operable Unit:	01
Material ID:	2278734
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

U92 **BRENNAN RESIDENCE** **NY LTANKS** **S107489082**
SW **30 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.479 mi.
2530 ft. **Site 1 of 4 in cluster U**

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name:	BRENNAN RESIDENCE
Address:	30 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0509566 / 2006-02-07
Facility ID:	0509566
Site ID:	355360
Spill Date:	2005-11-09
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2005-11-09
CID:	408
Water Affected:	Not reported
Spill Notifier:	Tank Tester

BRENNAN RESIDENCE (Continued) **S107489082**

Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-11-09
Spill Record Last Update:	2017-06-28
Spiller Name:	ILENE BRENNAN
Spiller Company:	BRENNAN RESIDENCE
Spiller Address:	30 DORIS ROAD
Spiller County:	001
Spiller Contact:	ILENE BRENNAN
Spiller Phone:	(914) 588-7746
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	305383
DEC Memo:	"Did tank test - tank under stone patio - will probably retest after exposing lines and top of tank. February 7, 2006: ELITE ENVIRONMENTAL CUT, CLEANED AND INSPECTED TANK. NO EVIDENCE OF HOLES OR LEAKAGE NOTED. SOIL SAMPLE TAKEN FROM BENEATH TANK WAS NON-DETECT. TANK ABANDONED IN PLACE. NO FURTHER ACTION REQUIRED AT THIS TIME. jod"
Remarks:	"LOUD HISSING SOUND HEARD UNDER A STONE PATIO."

All Materials:

Site ID:	355360
Operable Unit ID:	1112727
Operable Unit:	01
Material ID:	2102771
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

93
NNW
1/4-1/2
0.480 mi.
2537 ft.

WHITE PLAINS MAINTENANCE FACILITY
51 PURDY AVE
WHITE PLAINS, NY

NY LTANKS **S102555995**
NY Spills **N/A**
NY SPDES

Relative:
Lower

Actual:
85 ft.

LTANKS:

Name:	NYS DOT
Address:	51 PURDY AVENUE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9613122 / 1998-05-26
Facility ID:	9613122
Site ID:	323325
Spill Date:	1997-02-05
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6017
Investigator:	jghardy

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Referred To:	Not reported
Reported to Dept:	1997-02-05
CID:	257
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1997-02-05
Spill Record Last Update:	1999-11-08
Spiller Name:	Not reported
Spiller Company:	NYS DOT
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	JOE
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	216868
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was HARDY 05/26/98 NFA LETTER SENT"
Remarks:	"FOUND CONTAMINATED SOIL DURING TANK REMOVAL"

All Materials:

Site ID:	323325
Operable Unit ID:	1040760
Operable Unit:	01
Material ID:	341769
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	NYS DEPARTMENT OF TRANSPO
Address:	51 PURDY AVENUE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9801881 / 1998-08-28
Facility ID:	9801881
Facility Type:	ER
DER Facility ID:	216868
Site ID:	266114
DEC Region:	3
Spill Cause:	Housekeeping
Spill Class:	C3
SWIS:	6017
Spill Date:	1998-05-13
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1998-05-13

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

CID:	266
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-05-13
Spill Record Last Update:	1998-10-02
Spiller Name:	PARSHU BHATT
Spiller Company:	NYS OFFICE OF GENERAL SER
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"SOIL CONTAMINATION FOUND REMOVAL OF 4000 GALLON UNDERGROUND STORAGE TANK. APPROXIMATELY 50 YARDS TO BE STOCKPILED. GROUNDWATER SAMPLES TAKEN."

All Materials:

Site ID:	266114
Operable Unit ID:	1062422
Operable Unit:	01
Material ID:	323790
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NYS DOT
Address:	51 PURDY AVENUE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9702573 / 1998-05-26
Facility ID:	9702573
Facility Type:	ER
DER Facility ID:	216868
Site ID:	323326
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	6017
Spill Date:	1997-05-30
Investigator:	jghardy
Referred To:	Not reported
Reported to Dept:	1997-05-30
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-05-30
Spill Record Last Update:	1999-11-08
Spiller Name:	Not reported
Spiller Company:	NYS DOT
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MARK BRACEY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was HARDY 05/26/98 NFA LETTER SENT"
Remarks:	"CALLER REMOVING A TANK AND HAVE 30PPM AROUND FILL AREA - BOTTOM SAMPLE IS NON-DETECT - LOCATED SOUTH OF DOT GARAGE NEAR PARKING AREA"

All Materials:

Site ID:	323326
Operable Unit ID:	1048584
Operable Unit:	01
Material ID:	335507
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NYS DOT
Address:	51 PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	0904002 / 2009-07-07
Facility ID:	0904002
Facility Type:	ER
DER Facility ID:	365212
Site ID:	416143
DEC Region:	3
Spill Cause:	Housekeeping
Spill Class:	C3
SWIS:	6017
Spill Date:	2009-07-07
Investigator:	JPCUMMIN
Referred To:	WCDOH
Reported to Dept:	2009-07-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Remediation Phase:	0
Date Entered In Computer:	2009-07-07
Spill Record Last Update:	2009-07-21
Spiller Name:	CHRIS KAPPELLER
Spiller Company:	NYS DOT
Spiller Address:	51 PURDY AVE
Spiller Company:	999
Contact Name:	CHRIS KAPPELLER
DEC Memo:	"7-7-09 Found during audit inspection. Impacted soil removed. jc"
Remarks:	"POOR HOUSEKEEPING RESULTING IN A SPILL OF ABOUT 1 GALLON TO SOIL, IN THE AREA OF THE DIESEL PUMP. CLEAN UP WAS DONE."

All Materials:

Site ID:	416143
Operable Unit ID:	1172457
Operable Unit:	01
Material ID:	2164329
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	1.00
Oxygenate:	Not reported

SPDES:

Name:	WHITE PLAINS MAINTENANCE FACILITY
Address:	51 PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Permit Number:	NY0260193
State-Region:	3
Expiration Date:	02/28/2019
Current Major Minor Status:	Not reported
Primary Facility SIC Code:	7539
State Water Body Name:	Not reported
Limit Set Status Flag:	Not reported
Total Actual Average Flow(MGD):	0.001
Total App Design Flow(MGD):	Not reported
UDF1:	Not reported
Lat/Long:	40.983655 / 73.7458878
DMR Cognizant Official:	RICHARD MCKEON
UDF2:	Not reported
UDF3:	Not reported
FIPS County Code:	Not reported
Non-Gov Permit Affiliation Type Desc:	Not reported
Non-Gov Permit Org Formal Name:	NYS Dept of Transportation
Non-Gov Permit Street Address:	50 WOLF RD - POD 4-1
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	ALBANY
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	12232
Non-Gov Facility Affiliation Type Desc:	Not reported
Non-Gov Facility Org Formal Name:	Not reported

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Non-Gov Facility Street Address:	Not reported
Non-Gov Facility Supplemental Location:	Not reported
Non-Gov Facility City:	Not reported
Non-Gov Facility State Code:	Not reported
Non-Gov Facility Zip Code:	Not reported
State Water Body:	Not reported
Region Permit Processed:	Not reported
Dow Discharge Class Code:	Not reported
SPDES Class Description:	Not reported
Affiliation Type Description:	Not reported
Name:	Not reported
Contacts Title:	Not reported
Contacts Email:	Not reported
NOI Submission Date:	Not reported

94
NNE
1/4-1/2
0.481 mi.
2539 ft.

FRANCO RESIDENCE
1 LOVE LANE
HARRISON, NY

NY LTANKS **S109583801**
N/A

Relative:
Lower

Actual:
77 ft.

LTANKS:

Name:	FRANCO RESIDENCE
Address:	1 LOVE LANE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0814150 / 2009-05-06
Facility ID:	0814150
Site ID:	411879
Spill Date:	2009-03-31
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2009-03-31
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2009-03-31
Spill Record Last Update:	2009-05-06
Spiller Name:	CHRISTINE FRANCO
Spiller Company:	CHRISTINE FRANCO
Spiller Address:	1 LOVE LN
Spiller County:	999
Spiller Contact:	PAUL SCORZELLI
Spiller Phone:	(914) 946-4300
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	361081
DEC Memo:	"3-31-09 Called and spoke with Paul. They are having Burke Heat come out to excavate and isolate tank from piping so that they can retest later this week. They will keep J. O'Dee updated. jm 5/6/2009: Tank

FRANCO RESIDENCE (Continued) **S109583801**

passed an isolation retest after piping was removed. Tank scheduled to be filled in place and replaced with an AST. Based upon the information provided to DEC, No Further Action is required at this time. jod"

Remarks: "TANK TEST FAILURE ON A 1000 GALLON UST UNK IF ANY PRODUCT WAS SPILLED."

All Materials:

Site ID:	411879
Operable Unit ID:	1168370
Operable Unit:	01
Material ID:	2159978
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

U95 **PRAVADA RESIDENCE** **NY LTANKS** **S103941407**
SW **29 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.487 mi.
2573 ft. **Site 2 of 4 in cluster U**

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name:	PRAVDA RESIDENCE
Address:	29 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9903093 / 1999-07-27
Facility ID:	9903093
Site ID:	302911
Spill Date:	1999-06-03
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-06-17
CID:	384
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-17
Spill Record Last Update:	1999-08-03
Spiller Name:	LAURA PRAVDA
Spiller Company:	PRAVDA RESIDENCE
Spiller Address:	29 DORIS LANE
Spiller County:	001

PRAVADA RESIDENCE (Continued) **S103941407**

Spiller Contact:	LAURA PRAVDA
Spiller Phone:	(914) 698-2208
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	244734
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 7/27/99 TANK TEST FAILURE REPORTED TWO WEEKS AFTER TEST. SEE ALSO SPILL #99-02790. TANK PULLED BY ROBISON. TANK WAS SOUND. HOLE IN VENT PIPE. NFA"
Remarks:	"tested for real estate transaction"

All TTF:

Facility ID:	9903093
Spill Number:	9903093
Spill Tank Test:	1547274
Site ID:	302911
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	302911
Operable Unit ID:	1082018
Operable Unit:	01
Material ID:	303017
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	PRAVADA RESIDENCE
Address:	29 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9902790 / 1999-07-27
Facility ID:	9902790
Site ID:	264066
Spill Date:	1999-06-10
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032

PRAVADA RESIDENCE (Continued) **S103941407**

Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-06-10
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-10
Spill Record Last Update:	1999-08-03
Spiller Name:	LAURA PRAVADA
Spiller Company:	PRAVADA RESIDENCE
Spiller Address:	29 DORIS LN
Spiller County:	001
Spiller Contact:	LAURA PRAVADA
Spiller Phone:	(914) 698-2208
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	244734
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 6/11/99 TANK WAS TESTED BY PRECISION TANK TESTING ON 6/3/99. TANK FAILED TEST. FAILURE WAS NEVER REPORTED TO DEC. TANK WAS RETESTED BY U.S. TANK TECH ON 6/10/99. TANK FAILED TEST. TANK TO BE REMOVED BY CONTRACTOR THROUGH ROBISON OIL. 7/27/99 TANK PULLED BY ROBISON OIL. TANK WAS SOUND, NO DISCHARGE. HOLE WAS FOUND IN VENT PIPE. SEE ALSO SPILL #99-03093."
Remarks:	"RECOMMEND TO UNCOVER TOP OF TANK-CK ALL LINES FITTINGS AND CONNECTIONS-REPAIR AS NECESSARY AND CALL BACK FOR RE-TEST."

All TTF:

Facility ID:	9902790
Spill Number:	9902790
Spill Tank Test:	1547247
Site ID:	264066
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	264066
Operable Unit ID:	1077395
Operable Unit:	01
Material ID:	306290
Material Code:	0001A

PRAVADA RESIDENCE (Continued) **S103941407**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U96 **TTF W/ CONTAMIN** **NY LTANKS** **S121102029**
SW **16 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.487 mi.
2573 ft. **Site 3 of 4 in cluster U**

Relative:
Higher

Actual:
172 ft.

LTANKS:

Name:	TTF W/ CONTAMIN
Address:	16 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0609513 / 2015-08-20
Facility ID:	0609513
Site ID:	373827
Spill Date:	2006-11-17
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D5
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2006-11-17
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2006-11-20
Spill Record Last Update:	2020-05-06
Spiller Name:	ELIZABETH ROSENSTAT
Spiller Company:	Rosenstat
Spiller Address:	16 DORIS ROAD
Spiller County:	001
Spiller Contact:	ELIZABETH ROSENSTAT
Spiller Phone:	(914) 777-1785
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	323558
DEC Memo:	"8/1/10 need status update JO'M 8/20/15 HOTTF greater then 5 years old and no impact noted NFA with Albany approval JO'M"
Remarks:	"soil testing showed contaminated soil"

All Materials:

Site ID:	373827
Operable Unit ID:	1131522
Operable Unit:	01

TTF W/ CONTAMIN (Continued) **S121102029**

Material ID:	2121232
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U97 **RESIDENTIAL TTF** **NY LTANKS** **S106718957**
SW **12 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.489 mi.
2580 ft. **Site 4 of 4 in cluster U**

Relative:
Higher

Actual:
172 ft.

LTANKS:

Name:	RESIDENTIAL TTF
Address:	12 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0208288 / 2012-08-13
Facility ID:	0208288
Site ID:	151156
Spill Date:	2002-11-11
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D5
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	2002-11-11
CID:	365
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-11-11
Spill Record Last Update:	2017-06-28
Spiller Name:	Not reported
Spiller Company:	Tank Test Failure
Spiller Address:	12 DORIS Lane
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	128466
DEC Memo:	"7/28/10 Homeowner TTF JO'M 8/13/12 With Albany and regional approval all Homeowner Tank Test Failure with no impact older than 5 years will be closed. NFA JO M "
Remarks:	"uncover, repair & retest"

All TTF:

RESIDENTIAL TTF (Continued) **S106718957**

Facility ID:	0208288
Spill Number:	0208288
Spill Tank Test:	1527687
Site ID:	151156
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	151156
Operable Unit ID:	859771
Operable Unit:	01
Material ID:	515297
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/31/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 89

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 02/25/2021
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 06/04/2021
Number of Days to Update: 79

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 02/25/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 06/04/2021
Number of Days to Update: 78

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Semi-Annually

VCP NYC: Voluntary Cleanup Program Listing NYC

New York City voluntary cleanup program sites.

Date of Government Version: 04/15/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 78

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/15/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/16/2021	Telephone: 202-566-2777
Date Made Active in Reports: 06/10/2021	Last EDR Contact: 06/10/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/27/2021
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 03/31/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/29/2021	Telephone: 518-402-8678
Date Made Active in Reports: 07/16/2021	Last EDR Contact: 07/01/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Quarterly

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/06/2018	Telephone: 518-402-8694
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/07/2021
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/20/2021
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/08/2021
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/20/2021
Number of Days to Update: 82

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 89

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 07/09/2021
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 03/31/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/25/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/04/2021
Number of Days to Update: 71

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/29/2021
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/21/2021
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 06/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 04/14/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 79

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

NYC LEAD: Lead-based Paint Testing Results
The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 09/29/2020
Date Data Arrived at EDR: 02/03/2021
Date Made Active in Reports: 04/29/2021
Number of Days to Update: 85

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

NYC LEAD 2: Recent Lead Paint Violations
Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 05/02/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 07/21/2021
Number of Days to Update: 79

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 07/30/2021
Next Scheduled EDR Contact: 11/05/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/28/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database
This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 07/28/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/28/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

500 MAMARONECK AVE
500 MAMARONECK AVE
HARRISON, NY 10528

TARGET PROPERTY COORDINATES

Latitude (North):	40.977288 - 40˚ 58' 38.24''
Longitude (West):	73.740565 - 73˚ 44' 26.03''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	605960.8
UTM Y (Meters):	4536787.5
Elevation:	130 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5940545 MAMARONECK, NY
Version Date:	2013
Southwest Map:	5940557 MOUNT VERNON, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

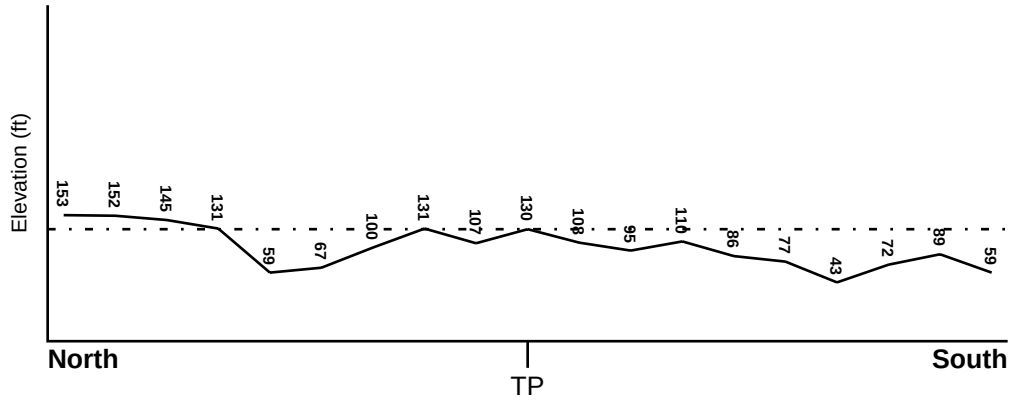
TOPOGRAPHIC INFORMATION

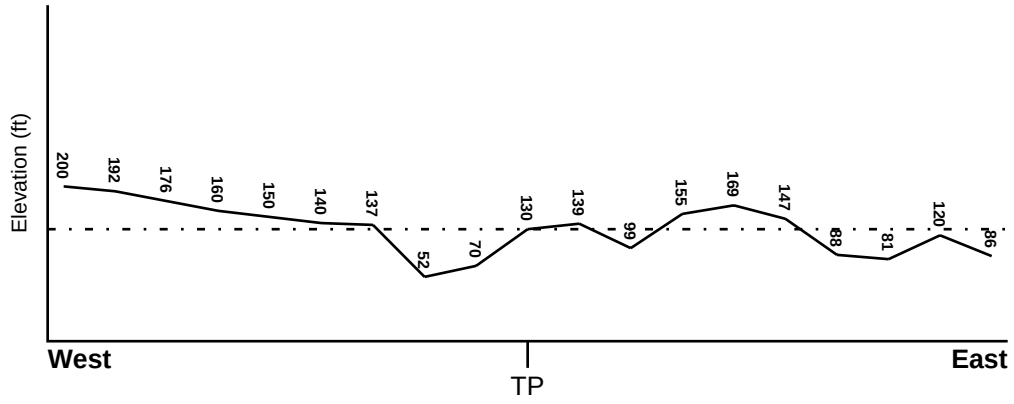
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 130 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
36119C0351F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
36119C0332F	FEMA FIRM Flood data
36119C0334F	FEMA FIRM Flood data
36119C0353F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MAMARONECK	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

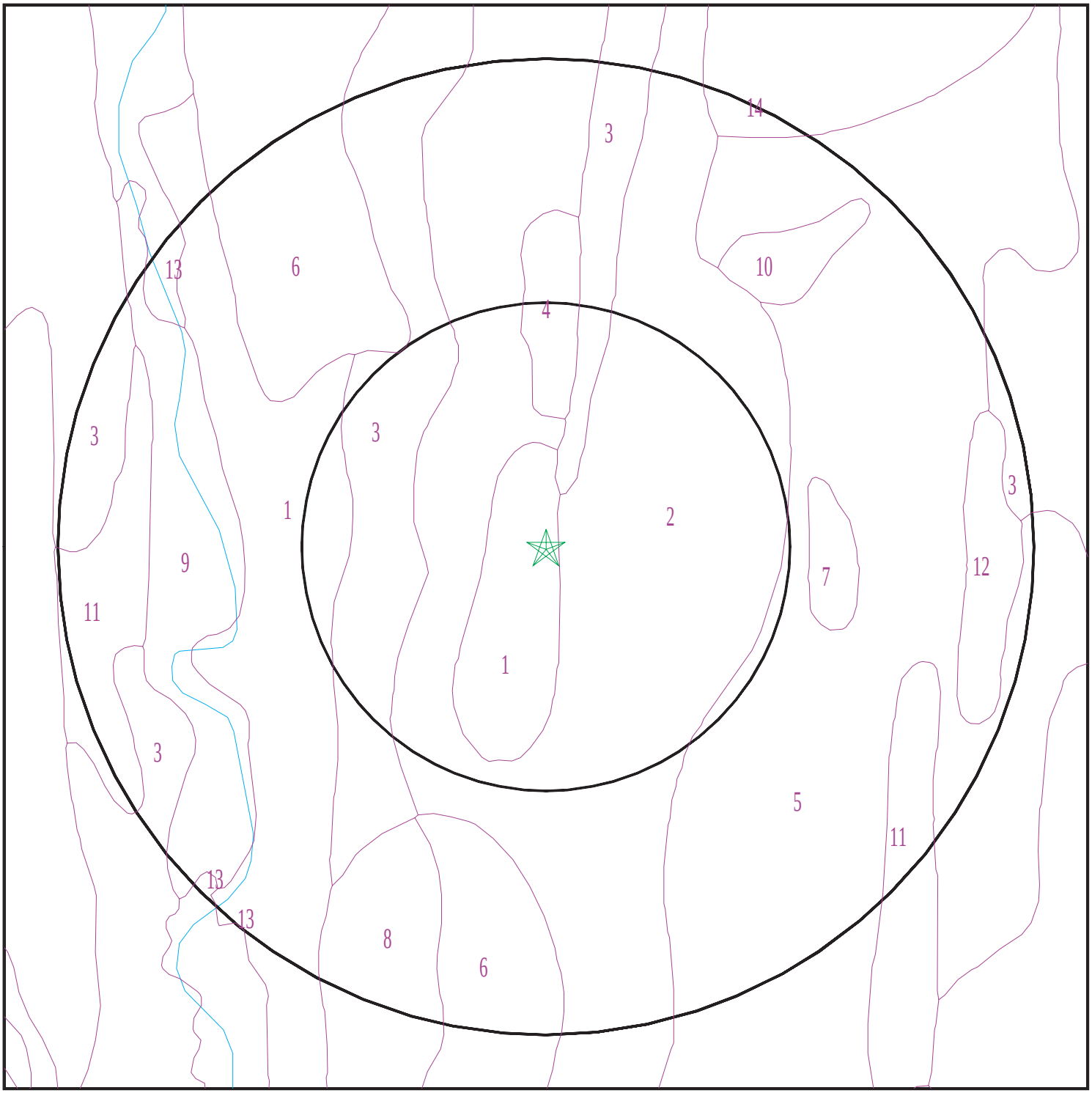
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6602268.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: 500 Mamaroneck Ave ADDRESS: 500 Mamaroneck Ave Harrison NY 10528 LAT/LONG: 40.977288 / 73.740565	CLIENT: Bergmann Associates CONTACT: Skylar Francis INQUIRY #: 6602268.2s DATE: August 02, 2021 2:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Udorthents

Soil Surface Texture: gravelly loam

Hydrologic Group: Not reported

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	very gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 2

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 3

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 4

Soil Component Name: Carlisle

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	muck	A-8	Highly organic soils, Peat.	Max: 42 Min: 1.4	Max: Min:

Soil Map ID: 5

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Urban land

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 7

Soil Component Name: Palms

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	48 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:
3	48 inches	59 inches	loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:

Soil Map ID: 8

Soil Component Name: Urban land

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 9

Soil Component Name: Udifluvents

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 141 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	very gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 141 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 10

Soil Component Name: Leicester

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 4	Max: 6 Min: 4.5
2	7 inches	25 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 4	Max: 6 Min: 4.5
3	25 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 11

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 12

Soil Component Name: Sun

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	9 inches	27 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	27 inches	59 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 13

Soil Component Name: Water

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 14

Soil Component Name:	Urban land
Soil Surface Texture:	loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	
Hydric Status: Unknown	
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 77 inches
Depth to Watertable Min:	> 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000836723	1/2 - 1 Mile ESE
2	USGS40000836717	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

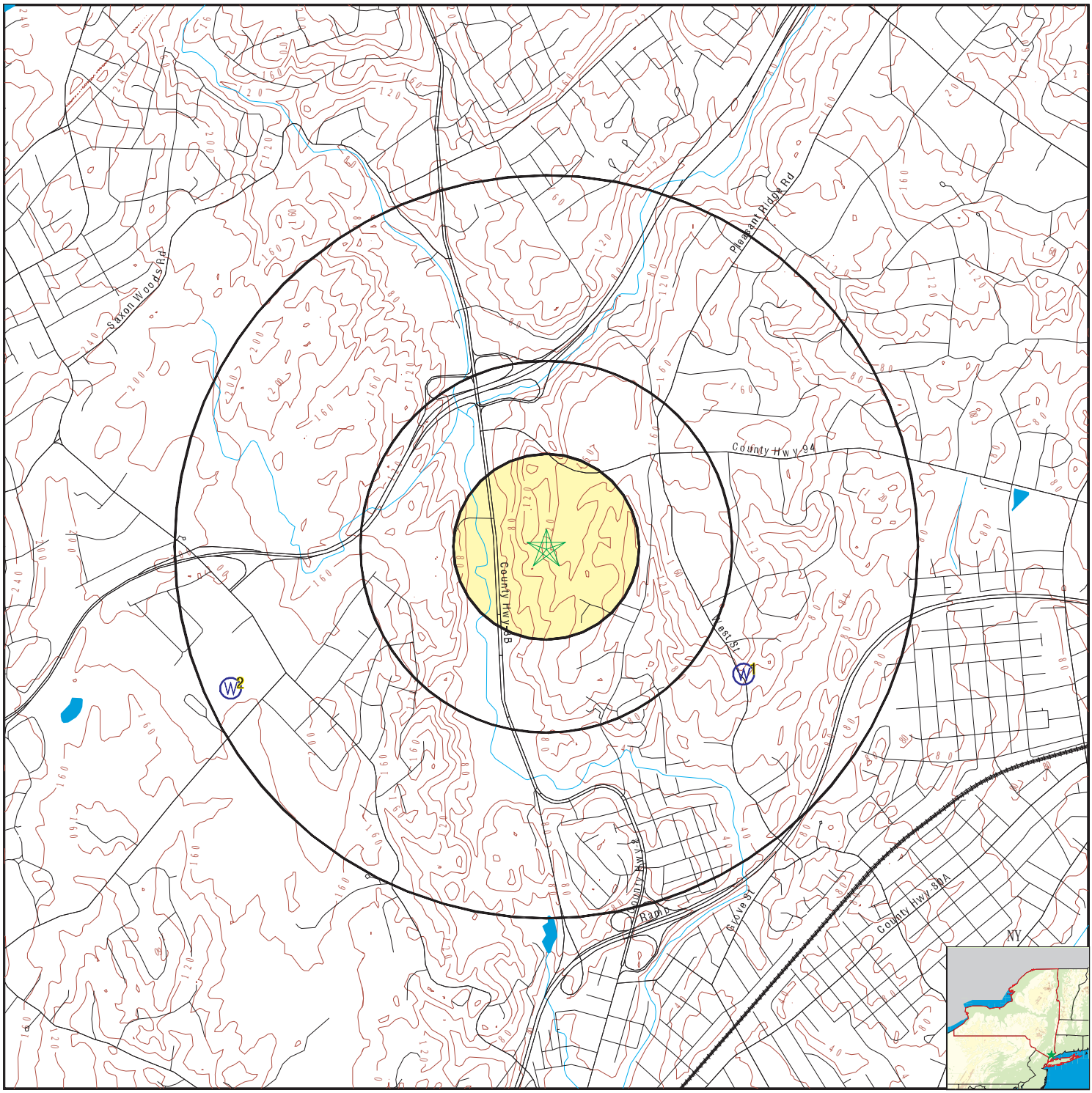
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 6602268.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	500 Mamaroneck Ave	CLIENT:	Bergmann Associates
ADDRESS:	500 Mamaroneck Ave Harrison NY 10528	CONTACT:	Skylar Francis
		INQUIRY #:	6602268.2s
LAT/LONG:	40.977288 / 73.740565	DATE:	August 02, 2021 2:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **ESE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000836723**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	WE1182	Type:	Well
Description:	Not Reported	HUC:	02030102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	250	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

2 **WSW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000836717**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	WE 299	Type:	Well
Description:	Not Reported	HUC:	02030102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	300	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
WESTCHESTER	BEDFORD	108	2.44	1.65	21.7
WESTCHESTER	CORTLANDT	169	5.15	2.22	95.4
WESTCHESTER	EASTCHESTER	76	2.89	1.75	41.9
WESTCHESTER	GREENBURGH	222	2.26	1.46	21.8
WESTCHESTER	HARRISON	69	3.3	2.07	42.3
WESTCHESTER	LEWISBORO	72	3.91	2.61	19.2
WESTCHESTER	MAMARONECK	123	4	2.42	35.9
WESTCHESTER	MT. KISCO	38	2.33	1.72	9.3
WESTCHESTER	MT. PLEASANT	172	2.13	1.43	17.1
WESTCHESTER	MT. VERNON	53	2.82	1.65	32
WESTCHESTER	NEW CASTLE	134	2.2	1.46	31.7
WESTCHESTER	NEW ROCHELLE	127	1.92	1.31	13.8
WESTCHESTER	NO. CASTLE	64	3.49	2.25	16.5
WESTCHESTER	NO. SALEM	56	3.78	2.56	25.7
WESTCHESTER	OSSINING	65	2.08	1.39	10.9
WESTCHESTER	PEEKSKILL	47	3.66	2.34	19.9
WESTCHESTER	PELHAM	26	2.5	1.91	9.1
WESTCHESTER	POUND RIDGE	34	3.37	2.22	18.5
WESTCHESTER	RYE	98	2.24	1.63	9.5
WESTCHESTER	SCARSDALE	138	2.35	1.63	22.4
WESTCHESTER	SOMERS	72	3.89	2.82	21.3
WESTCHESTER	WHITE PLAINS	132	2.76	1.48	65.2
WESTCHESTER	YONKERS	153	2.23	1.37	16
WESTCHESTER	YORKTOWN	181	2.7	1.72	27.2

Federal EPA Radon Zone for WESTCHESTER County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for WESTCHESTER COUNTY, NY

Number of sites tested: 650

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.930 pCi/L	97%	3%	0%
Basement	1.730 pCi/L	84%	13%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX H:

ADDITIONAL DOCUMENTATION

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6916986.8
March 28, 2022

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Bergmann Associates on Mar 28, 2022.

TARGET PROPERTY

500 Mamaroneck Ave
Harrison, NY 10528

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Harrison village

Year	*Source*	*TP*	*Adjoining*
2017			
2016		X	
2015		X	
2014		X	
2013		X	
2012		X	
2011			
2010			
2009			
2008			
2007		X	
2006		X	
2005		X	
2004		X	
2003		X	
2002		X	
2001		X	
2000		X	
1999		X	

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Harrison village
Years: 1999-2017
Source: , Harrison, NY
Phone: 914-670-3050

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

500 Mamaroneck Ave
Harrison, NY 10528

500 MAMARONECK AVE

Date:	**10/14/2016**
Permit Type:	
Description:	**INTERIOR RENOVATIONS TO EXISTING OFFICE SPACE.**
Permit Description:	**ALT/CONVERSION, ELECTRICAL - COM**
Work Class:	
Proposed Use:	
Permit Number:	16-25567
Status:	ISSUED
Valuation:	$40,000.00
Contractor Company:	
Contractor Name:	

Date:	**3/15/2016**
Permit Type:	
Description:	**INTERIOR OFFICE RENOVATION ON FIRST FLOOR.**
Permit Description:	**ALT/CONVERSION**
Work Class:	
Proposed Use:	
Permit Number:	16-24761
Status:	ISSUED
Valuation:	$150,000.00
Contractor Company:	
Contractor Name:	

TARGET PROPERTY FINDINGS

Date: **3/4/2016**
Permit Type:
Description: **INTERIOR DEMO, TEMP LIGHTING, NEW INTERIOR DOORS ON FIRST FLOOR.***

Permit Description: **ALT/CONVERSION**
Work Class:
Proposed Use:
Permit Number: 16-24671
Status: ISSUED
Valuation: $224,000.00
Contractor Company:
Contractor Name:

Date: **1/29/2016**
Permit Type:
Description: **INTERIOR ALTERATIONS, PRE-BUILT ON 2ND FLR.**

Permit Description: **ALT/CONVERSION**
Work Class:
Proposed Use:
Permit Number: 15-24365
Status: ISSUED
Valuation: $193,000.00
Contractor Company:
Contractor Name:

Date: **12/10/2015**
Permit Type:
Description: **NEW ELEVATOR JACK INSTALLATION.**

Permit Description: **ALT/CONVERSION**
Work Class:
Proposed Use:
Permit Number: 15-24405
Status: ISSUED
Valuation: $76,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **7/30/2015**
Permit Type:
Description: **INTERIOR ALTERATIONS TO EXISTING 4TH FLR. SPACE. PRE-BUILD. FOUR FIXTURES.**

Permit Description: **PLUMBING - COMM**
Work Class:
Proposed Use:
Permit Number: 15-23827
Status: ISSUED
Valuation: $264,000.00
Contractor Company:
Contractor Name:

Date: **6/2/2014**
Permit Type:
Description: **INTERIOR RENOVATIONS TO EXISTING OFFICE SPACE. 2ND FLOOR**

Permit Description: **PLUMBING - COMM**
Work Class:
Proposed Use:
Permit Number: 14-22488
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/1/2013**
Permit Type:
Description: **LIGHTING, 5TH FLR. PASTERNAK BAUM. PHASE 2.**

Permit Description: **ELECTRICAL - COM**
Work Class:
Proposed Use:
Permit Number: 13-22062
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **5/1/2013**
Permit Type:
Description: **LOW VOLTAGE CABLING. PASTERNAK BAUM.**

Permit Description: **ELECTRICAL - COM**
Work Class:
Proposed Use:
Permit Number: 13-22172
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **2/7/2013**
Permit Type:
Description: **Low Voltage data on 4th floor Motion Picture Association**

Permit Description: **ELECTRICAL - COM**
Work Class:
Proposed Use:
Permit Number: 13-21791
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **1/22/2013**
Permit Type:
Description: **int alts 4th fl mpaa**

Permit Description: **PLUMBING - COMM**
Work Class:
Proposed Use:
Permit Number: 12-21592
Status: ISSUED
Valuation: $100,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **12/18/2012**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 12-21606
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/27/2007**
Permit Type:
Description: **low voltage/Telwork**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 07-14899
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/21/2007**
Permit Type:
Description: **6-13730**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 07-14328
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/9/2007**
Permit Type:
Description: **7-14114,**

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 07-14268
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **1/3/2007**
Permit Type:
Description: **6-12216**

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 07-13916
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **11/28/2006**
Permit Type:
Description: **for senior care bp 06-12216 500 mamaroneck ave**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-13745
Status: ISSUED
Valuation: $40,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/31/2006**
Permit Type:
Description: **Rocco El./Garnett Capital/500 mamaroneck ave**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12459
Status: ISSUED
Valuation: $17,000.00
Contractor Company:
Contractor Name:

Date: **3/9/2006**
Permit Type:
Description: **LOW VOLTAGE FOCUS ROOM**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12329
Status: ISSUED
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **3/8/2006**
Permit Type:
Description: **fpr bp 0612045 martinello plg**

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 06-12313
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **2/27/2006**
Permit Type:
Description: **focus room 0612045**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12262
Status: ISSUED
Valuation: $81,000.00
Contractor Company:
Contractor Name:

Date: **2/27/2006**
Permit Type:
Description: **white box 06-12094**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12263
Status: ISSUED
Valuation: $1,000.00
Contractor Company:
Contractor Name:

Date: **11/3/2005**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 05-11805
Status: ISSUED
Valuation: $6,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/1/2005**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 05-10421
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **1/26/2005**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 05-10272
Status: ISSUED
Valuation: $101,000.00
Contractor Company:
Contractor Name:

Date: **11/9/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9956
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **10/7/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9828
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/7/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9829
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **6/30/2004**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 04-9317
Status: ISSUED
Valuation: $31,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **6/25/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9290
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **6/14/2004**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 04-9214
Status: ISSUED
Valuation: $36,000.00
Contractor Company:
Contractor Name:

Date: **3/27/2004**
Permit Type:
Description:

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 04-8780
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/25/2004**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 04-8788
Status: ISSUED
Valuation: $15,000.00
Contractor Company:
Contractor Name:

Date: **3/16/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-8735
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **11/13/2003**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 03-8282
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **7/7/2003**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 03-7528
Status: ISSUED
Valuation: $4,000.00
Contractor Company:
Contractor Name:

Date: **9/18/2002**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 02-6314
Status: ISSUED
Valuation: $3,000.00
Contractor Company:
Contractor Name:

Date: **6/7/2002**
Permit Type:
Description: **WALL SIGN FOR 500 MAMARONECK AVE.FOR ROPERASW.**

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 02-5811
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **5/14/2002**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 02-5679
Status: ISSUED
Valuation: $21,000.00
Contractor Company:
Contractor Name:

Date: **2/1/2002**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 02-5101
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **1/16/2002**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 02-5042
Status: ISSUED
Valuation: $3,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **12/18/2001**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 01-4905
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/23/2001**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 01-4615
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **9/18/2001**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 01-4441
Status: ISSUED
Valuation: $7,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **7/19/2001**
Permit Type:
Description: **ERECT WALL SIGN INDICATING "500"AND AN AREA NO GREATER THAN 20 SQ. FT.**

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 00-2914
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/20/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-3140
Status: ISSUED
Valuation: $17,000.00
Contractor Company:
Contractor Name:

Date: **11/30/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-3064
Status: ISSUED
Valuation: $17.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **11/13/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2993
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **11/13/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2994
Status: ISSUED
Valuation: $59,000.00
Contractor Company:
Contractor Name:

Date: **10/30/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2917
Status: ISSUED
Valuation: $9,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **10/30/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2918
Status: ISSUED
Valuation: $9,000.00
Contractor Company:
Contractor Name:

Date: **10/26/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2893
Status: ISSUED
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **10/26/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2894
Status: ISSUED
Valuation: $25,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **10/18/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2861
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **9/25/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2732
Status: ISSUED
Valuation: $4,000.00
Contractor Company:
Contractor Name:

Date: **8/23/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2554
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **8/23/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2555
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/21/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2362
Status: ISSUED
Valuation: $17,000.00
Contractor Company:
Contractor Name:

Date: **7/21/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2363
Status: ISSUED
Valuation: $25,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **5/18/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2025
Status: ISSUED
Valuation: $12,000.00
Contractor Company:
Contractor Name:

Date: **4/12/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-1816
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **4/3/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1762
Status: ISSUED
Valuation: $30,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/23/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1701
Status: ISSUED
Valuation: $1,000.00
Contractor Company:
Contractor Name:

Date: **3/13/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1636
Status: ISSUED
Valuation: $98,000.00
Contractor Company:
Contractor Name:

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-1324
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1326
Status: ISSUED
Valuation: $12,000.00
Contractor Company:
Contractor Name:

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1327
Status: ISSUED
Valuation: $41,000.00
Contractor Company:
Contractor Name:

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1332
Status: ISSUED
Valuation: $1,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1333
Status: ISSUED
Valuation: $53,000.00
Contractor Company:
Contractor Name:

Date: **1/10/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1321
Status: ISSUED
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **12/13/1999**
Permit Type:
Description: **CONTRACTOR'S INSURANCE. FEE DUE OF $75.00**

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 99-1104
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date:	**8/13/1999**
Permit Type:	
Description:	
Permit Description:	**ELECTRICAL - RESI**
Work Class:	
Proposed Use:	
Permit Number:	99-653
Status:	ISSUED
Valuation:	$20.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Permits Found

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6916986.5
March 29, 2022

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	Cole Criss-Cross Directory
1982	☑	☐	Cole Criss-Cross Directory
1977	☑	☐	Cole Criss-Cross Directory
1972	☑	☐	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

500 Mamaroneck Ave
Harrison, NY 10528

Year	*CD Image*	*Source*

MAMARONECK AVE

2017	pg A2	EDR Digital Archive
2014	pg A6	EDR Digital Archive
2010	pg A10	EDR Digital Archive
2005	pg A14	EDR Digital Archive
2000	pg A18	EDR Digital Archive
1995	pg A21	EDR Digital Archive
1992	pg A24	EDR Digital Archive
1987	pg A26	Cole Criss-Cross Directory
1982	pg A27	Cole Criss-Cross Directory
1977	pg A28	Cole Criss-Cross Directory
1977	pg A29	Cole Criss-Cross Directory
1972	pg A30	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2017

380	SCHEINKMAN, CLIFFORD S
400	C U P H S O N A A
440	24 HOUR HARRISON LOCKSMITH
	ATHLETES EVOLUTION
	BK OF NYSUNGARD EMPLOYEE BENEFIT
	CASTLE OIL CORPORATION
	CERMELES CAFE 440
	FRIEDLAND REALTY
	HIGH TOWER ADVSR
	HIGHTOWER ADVISORS
	JEFFREY M JACOBSON MD
	MAMARONECK AVENUE PLUMBING CO
	NEAL DORF CPA
	PLASTIC SURGERY CENTER OF WESTCHESTE
	WESTROCK DEVELOPMENT LLC
450	450 MAMARONECK AVE LLC
	FULL CIRCLE FAMILY CA
	GAKKYUSHA USA COMPANY LIMITED
	J RECKNER ASSOCIATES INC
	JAMES R GORDON MD FACS
	MAMARONECK LLC
	REGEN PHISICAL THERPY
	SONOBELLO
	SPORTS & WELLNE
470	ACORN FARM & GARDEN CNTR
480	CASTLE PEAK MANAGEMENT
	CRAIG LANGER ATTY
	CUPH SONAA
	DAVID GORDON ATTY
	DE CARO & DE CARO PC
	JENNINGS JAMES A CO INC
	LYNN HOFFMAN MD
	TOWN PLANNER CALENDER
500	500 MAMARONECK
	ACAPPELLA SOFTWARE INC
	ACTION REFUND LLC CLASS
	ALLOVER LIMOUSINE LLC
	AMERIPRISE FINANCIAL
	BARRINGTON CHEMICAL CORP
	BCM ONE INC
	BLS TELECOM
	BUCKLAND PARTNERS
	CASE PAPER CO
	CHEMLUBE INTERNATIONAL
	CHIAMULERA TRAVEL
	CHO ENTERPRISES INC
	CHRISTOPHERS PHOTOGRAPHY STUDIO
	CHURCH TAVERN
	COMPO MICRO TECH
	CUBISM BRANDING CORP

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2017 (Cont'd)

500 EMPIRE STATE REALTY
FIRST GATESIDE
GARNET CAPITAL
IBEHAVIOR
KEEVILY SPEROWHITELAW INC
KHSEIDEN LAW
LILLIAN VERNON
MARIN GOODMAN LLP
MARINER INVESTMENT GROUP
MEDICSIGHT
MEDICSIGHT INC
MICHAEL J AMOROSO ATTY
OCONNOR DAVIES LLP
OPTIS MANAGEMENT INC
PASTERNAK BAUM & CO INC
PASTERNAK WINE IMPORTS
PNKEEVILY SPEROWHITELAW INC INS
PRO START
QUEST LOCKSTORE
RELIABLE E COMMERCE INCORPORATED
RICH WORLDWIDE TRAVEL INC
SARA LEE COFFEE & TEA
SCHULMAN MANAGEMENT CORP
SEQUOIA FINANCIAL PARTNERS LLC
SIRLIN ROGER H & ASSOCS
THE TRAVEL LADY
THEODORE J BRUNDAGE ATTY
UNIVERSAL REMOTE CONTROL
VIRTUAL PREPAID NET
VOEST ALPINE STEEL PROD CORP
VOEST ALPINE STEEL PRODUCTS CORP
VOEST ALPINE USA CORP
WASAB
WESTCHESTER AUDIO VIDEO
WESTCHESTER PLASTIC SURGERY
YORK INTERNATIONAL AGENCY LLC

550 20 MINUTE LOCKSMITH
A J STROHMAYER PHD
ALTER & BRESCIA
ALTER & GOLDMAN
ANTHONY P LONGOBUCCO ASSOCS
APPLE METRO
APPLE METRO INC
ARLENE COLANGELO ATTY
B RAVINDRA RAO CPA
BRODSKY & PECK
BROWNBICKLER & CO INC
BURACK INVESTMENTS
CAPE CAPITAL MGMT LLC
CBSI

Target Street	Cross Street	Source
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MAMARONECK AVE 2017 (Cont'd)

550	CENTRAL WESTCHESTER NEUROMUSCULAR CA
	CHO ENTERPRISES INC
	CONTE & CO
	EUGENIA M VECCHIO ATTY
	FUCHES & EICHEN
	GENTLE TOUCH DENTISTRY DR STEVEN
	GLOBAL HOME LOANS & FINANCE
	IAN P SPIER ATTY
	INGERMAN SMITH LLP
	IVY REHABILITATION NETWORK
	JEAN CLAUDE DOORNICK MD
	JEANNE PH DIETRICH D
	JOSEPH MIANO ATTY
	JUDICIAL TITLE INSURANCE
	LANGES OF SCARSDALE
	LAUREN ABRAMSON ESQ
	NEAL DORF CPA
	NEW YORK ESCROW & SETTLEMENT CO LLC
	NEW YORK TITLE RESEARCH CORP
	OAKRIDGE STAFFING
	OAKRIDGE STAFFING OFFICE
	OPTICAL ARCHIVES
	PROFPSYCH PSYCHOLOGICAL PLLC
	PROFPYSC H
	RAO & RAO LLC
	RICHARD P BIONDI MD
	ROSEN DEVELOPMENT GROUP
	RUSAL AMERICA CORP
	SCHNITZER & KONDUB PC
	SOLTIS OLGA DDS DENTIST GENERAL PR
	STEPHANIE L WOLMAN OD
	SUPER FIX LOCKSMITH
	THE COTSWOLD GROUP INC
	THORNE ROBERT W ASSOC LTD
	TOP HARRISON LOCKSMITH
	TRIDENT GROUP
	W ROTHMAN ROSALIND EDD
	WEATHERVANE TITLE INSURANCE
600	24 HOUR LOCKSMITH
	550 MAMARONECK ASSOC LLC
	600 MAMARONECK ASSOC LLC
	ACCESS 1 GARAGE DOOR OF HARRISON NY
	BERTHEL FISHER COMP
	CARR WORKPLACES
	CHILD BEHAVIOR
	CLIFFORD M RATNER MD
	CRISTIAN BROTEA MD
	DROGIN & KATZ
	ER KATZ DROGLN CPA
	FRED WOOLF LIST CO INC

Target Street	Cross Street	Source
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MAMARONECK AVE 2017 (Cont'd)

600	HARRISON MOBILE LOCKSMITH
	HUDSON VALLEY PERINATAL CONSULTANTS
	INTERNATIONAL UNION OF PUBLIC EMPLOY
	LANGES OF SCARSDALE
	LAW OFFICES OF SAUL KOBRICK PC
	MARBLEBLUE
	MARK EPSTEIN MD
	MIRA WOMAN IMAGING
	MIRA WOMEN IMAGING
	OUTBOOST MEDIA
	PRIMA LUCI
	PROFPYSCH
	RADIATION ENTERPRISE INC
	REACT FINANCIAL
	SPECIALTY ORTHOPAEDICS PLLC
	STONEWATER STAFFING
	THREE ARROWS CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2014

380	SCHEINKMAN, BRIAN N
400	BOCCANFUSO, DIANE
440	24 HOUR HARRISON LOCKSMITH
	AMERIPRISE OFFICE OF CHRIS & COLEEN
	ATHLETES EVOLUTION
	BK OF NYSUNGARD EMPLOYEE BENEFIT
	CASTLE OIL CORPORATION
	CERMELES CAFE 440
	DERMATOLOGY ASSOCIATES OF NEW YORK
	KITCHIN JENNIFER DR
	KRISTEN VENTRESCA
	MAMARONECK AVENUE PLUMBING COMPANY
	PALMER DEBBIE DR
	PLASTIC SURGERY CENTER OF WESTCHESTE
450	450 MAMARONECK AVENUE LLC
	MAMARONECK LLC
	SONOBELLO
458	FALCO, GERARD
470	ACORN FARM & GARDEN CNTR
480	CASTLE PEAK MANAGEMENT
	CUPH SONAA
	DE CARO & DE CARO PC
	GORDON DAVID ATTY
	HOFFMAN LYNN MD
	JENNINGS JAMES A COMPANY INCORPORATE
	KELLY ROBERT P
	LANGER CRAIG ATTY
	LANGER CRAIG J ATTY
	LAW OFFICES OF EDMUND C GRAINGER JR
	TOWN PLANNER CALENDER
500	500 MAMARONECK
	ACAPPELLA SOFTWARE INCORPORATED
	ALLOVER LIMOUSINE LLC
	AMERIPRISE FINANCIAL
	AMOROSO MICHAEL J ATTY
	AMOROSO, MICHAEL
	BARRINGTON CHEMICAL CORPORATION
	BENABDESSADEK, BADR
	BLS TELECOM
	BROOKS JILL L ATTORNEYATLAW
	BRUNDAGE THEODORE J ATTY
	BUCKLAND PARTNERS
	CASE PAPER CO
	CHEMLUBE INTERNATIONAL
	CHO ENTERPRISES INCORPORATED
	CHURCH TAVERN ADVISORS
	COMPO MICRO TECH
	CUBISM BRANDING CORPORATION
	FIRST GATESIDE
	GOLDBERG JACOB J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2014 (Cont'd)

500	IBEHAVIOR
	KAJA, OMIYMA
	LIFE GOALS ASSET MANAGEMENT L L C
	MARIN GOODMAN LLP
	MARINER INVESTMENT GROUP
	MEDICSIGHT
	MEDICSIGHT INCORPORATED
	OCONNOR DAVIES
	PASTERNAK BAUM & CO INC
	PASTERNAK WINE IMPORTS
	PNKEEVILY SPERO WHITELAW INCORPORATE
	QUEST LOCKSTORE
	RELIABLE E COMMERCE INCORPORATED
	RICH WORLDWIDE TRAVEL INCORPORATED
	SARA LEE COFFEE & TEA
	SCHULMAN MANAGEMENT CORPORATION
	SCHULMAN REALTY GROUP
	SIRLIN ROGER H & ASSOCS ATTY
	TRAVEL LADY THE
	UNIVERSAL REMOTE CONTROL
	VIRTUAL PREPAID NET
	VOEST ALPINE STEEL PRODUCT CORPORATI
	VOEST ALPINE STEEL PRODUCTS CORPORAT
	WASAB
	WESTCHESTER AUDIO VIDEO
501	JUNEL, SYED
550	20 MINUTE LOCKSMITH
	ABRAMSON LAUREN ESQ
	ALTER & BRESCIA
	ALTER & GOLDMAN
	ANTHONY P LONGOBUCCO ASSOCIATES
	APPLE METRO INCORPORATED
	AUGUSTUS CAPITAL LLC
	BIONDI RICHARD P MD
	BIONDI, RICHARD
	BRODSKY & PECK ATTYS
	BROWNBICKLER & CO INC
	BURACK INVESTMENTS
	CARDHOLDER BROKERAGE SERVICES INCORP
	CBSI
	COLANGELO ARLENE ATTY
	CONTE & CO
	CONTE & COMPANY
	CORPORATE CREDIT
	COTSWOLD GROUP INCORPORATED THE
	DAVIDSON RICHARD DR
	DAVIDSON, RICHARD
	DB CONSULTING
	DIETRICH JEANNE PHD
	DIETRICH, JEANNE

Target Street	Cross Street	Source
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MAMARONECK AVE 2014 (Cont'd)

550	DOORNICK JEAN CLAUDE MD
	DOORNICK, JEAN
	DORF NEAL CPA
	EMPIRE PHYSICAL THERAPY
	FEDELE RONALD D
	FITZMAURICE & PARKER
	FUCHES & EICHEN ESQ
	INGERMAN SMITH LLP
	IVY REHABILITATION NETWORK
	IVY REHABILITATION NETWORK INCORPORA
	JUDICIAL TITLE INSURANCE
	JUDICIAL TITLE INSURANCE AGENCY LLC
	LANGES OF SCARSDALE
	LARUSSO FRANK J CPA
	LEND LEASE CAR LEASING
	LION ADVERTISING ASSOCIATES INCORPOR
	MATHOG & MONIELLO COMPANIES INC TOLL
	MCCULLOUGH FRANK JR ATTY
	MIANO, JOSEPH
	NEW YORK ESCROW & SETTLEMENT CO LLC
	NEW YORK TITLE RESEARCH CORPORATION
	OAKRIDGE STAFFING OFFICE
	OLGA SOLTIS DDS
	POLEVOY STEVEN DR
	PROFPYSC H
	RAO & RAO LLC
	RAO B RAVINDRA CPA
	ROSALIND W ROTHMAN EDD
	ROSEN DEVELOPMENT GROUP
	RUSAL AMERICA CORPORATION
	SALANDRA FRANK A CPA
	SCHNITZER & KONDUB PC
	SHECK PHYLLIS LEARNING CENTER
	SPIER IAN P ATTY
	SPRINGFIELD OIL SERVICES INCORPORATE
	ST NICKS EXTERMINATION
	STROHMAYER A J PHD
	THE PMA INSURANCE GROUP
	THORNE ROBERT W ASSOCIATE LIMITED
	TOP HARRISON LOCKSMITH
	TRIDENT GROUP
	VECCHIO EUGENIA M ATTY
	VECCHIO, EUGENIA
	WEATHERVANE TITLE INSURANCE
	WINDSOR PROPERTIES
600	24 HOUR LOCKSMITH OF HARRISON
	550 MAMARONECK ASSOCIATE LLC
	600 MAMORONECK ASSOCIATE LLC
	BERTHEL FISHER COMP
	BILL & SONS TOWING

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MAMARONECK AVE 2014 (Cont'd)

600	BRIGHTSTAR CARE WHITE PLAINS
	BROTEA CRISTIAN MD
	CARR WORKPLACES
	CHILD BEHAVIOR
	DROGIN & KATZ CPA
	EPSTEIN MARK MD
	FLEISCHMAN, JAY
	FRED WOOLF LIST COMPANY INCORPORATED
	GLOECKNER FRED C & CO
	HARRISON MOBILE LOCKSMITH
	HARRISON ORTHODONTICS DDS
	HUDSON VALLEY PERINATAL CONSULTANTS
	INNOVATIVE REAL ESTATE SOLUTIONS LLC
	INTERNATIONAL UNION OF PUBLIC EMPLOY
	JAMES, KEVIN
	KURA, JOHN
	LANGE S OF SCARSDALE
	LAW OFFICES OF SAUL KOBRICK PC
	MARBLEBLUE
	MCSWEENEY, JAMES T
	MIG CONSULTING
	MIRA WOMAN IMAGING
	MIRA WOMEN IMAGING
	MULLER JACQUELINE MD
	MULLER, JACQUELINE
	OUTBOOST MEDIA
	PRIMA LUCI
	RADIATION ENTERPRISE INCORPORATED
	RATNER CLIFFORD M MD
	REACT FINANCIAL CORPORATE HEADQUAR
	ROMERO, GUILLERMO H
	SPECIALTY ORTHOPAEDICS PLLC
	STONEWATER STAFFING
	THREE ARROWS COMPANY
608	SCARSO, BRONWYN

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MAMARONECK AVE 2010

200	CAMPUS TRAVEL OF WESTCHESTER
380	DILLULIO, ROBERT
400	JABLON, MARTIN D
440	ATHLETES EVOLUTION
	B K OF NYSUNGARD EMPLOYEE
	CASTLE OIL CORP
	CERMELES CAFE
450	CB RICHARD ELLIS
458	FALCO, GERARD
470	ACORN FARM & GARDEN CTR
480	BARRY KEVIN J
	CASTLE PEAK MANAGEMENT
	DE CARO & DE CARO PC
	EDMUND C GRAINGER JR LAW OFCS
	GERARD FALCO ATTYS
	GORDON & HAFFNER LLP
	JAMES A JENNINGS CO INC
	KELLY ROBERT P
	LANGER CRAIG
	TOWN PLANNER CALENDAR
500	500 MAMARONECK AVE LP
	ALLOVER LIMOUSINE LLC
	AMERICAN EXPRESS FINANCIAL
	AMERIPRISE FINANCIAL
	AMOROSO MICHAEL J
	AMOROSO, MICHAEL
	BARRETTS INSURANCE & FNCL
	BARRINGTON CHEMICAL CORP
	BLS TELECOMMUNICATIONS
	BRUNDAGE THEODORE J
	BRUNDAGE, THEODORE
	CAFE FIVE HUNDRED
	CASE PAPER CO INC
	CBG INVESTMENT ADVISORS
	CHEMLUBE INTERNATIONAL
	CHIAMULERA TRAVEL
	CHO ENTERPRISES INC
	CHURCH TAVERN ADVISORS
	CLASS ACTION REFUND LLC
	ELIASSEN GROUP
	FALCOLN INVESTORS
	FOCUS ROOM
	GALLO, WILLIAM C
	GARNET CAPITAL ADVISORS
	GF K CUSTOM RESEARCH N AMERICA
	GOLDBERG JACOB J
	HILLCREST FUEL SVC
	I BEHAVIOR INC
	KEEVILY SPEROWHITELAW INC
	LAKESIDE TRAVEL INC

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MAMARONECK AVE 2010 (Cont'd)

500 LILLIAN VERNON CORP
MADISON CONSULTING GROUP
MARKOWITZ & PIRO
METRIC TOURS INC
MILLENNIUM TRAVEL & CRUISES
NOTO TRAVEL SVC INC
OCONNOR DAVIES MUNNS DOBBINS
OCONNOR, DAVIES M
PANTAENIUS AMERICA LTD
PAPPALARDO & TOMBINI & WOLFF
PASTERNAK BAUM & CO INC
PASTERNAK WINE IMPORTS
PERSPECTIVES RESOURCES INC
QUANTUM FINANCIAL STRATEGIES
REACHCAPITAL MANAGEMENT LP
RELIABLE E COMMERCE INC
RICH WORLDWIDE TRAVEL INC
ROGER H SIRLIN & ASSOC
ROPER STARCH WORLDWIDE INC
SELECT COVERAGE CORP
SENIOR CARE DEVELOPMENT LLC
TRAVEL LADY
TRAVELOGUE LIMITED
UNIVERSAL REMOTE CONTROL
VIRTUAL, P N
VOEST ALPINE USA CORP
WESTCHESTER AUDIO VIDEO
YOU, JAK H
550 ALTER & GOLDMAN
ANTHONY P LONGOBUCCO ASSOC
APPLEMETRO INC
AUGUSTUS CAPITAL LLC
BHI BROKERAGE SVC INC
BRODSKY & PECK
BURACK INVESTMENTS
CBSI CONTE & CO
CONTINENTAL CAFE
CORPORATE CREDIT
COTSWOLD GROUP INC
DAVIDSON, RICHARD
DIETRICH JEANNE
DORF NEAL
DORF, NEAL
ESQS, MIANO A
EUGENIA M VECCHIO & ASSOC
F H INTL FINANCIAL
FEDELE RONALD D
FEDELE, RONALD D
FITZMAURICE & PARKER
FRANK J LARUSSO PC

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MAMARONECK AVE 2010 (Cont'd)

550	FUCHES & ELCHEN
	GENTAL TOUCH DENTISTRY
	GENTIAL TOUCH DENTISTRY
	GMG PUBLIC RELATIONS
	INGERMAN SMITH LLP
	IVY REHABILITATION NETWORK
	JASPER ENERGY LLC
	JUDICIAL TITLE INSURANCE
	KAHN, ERIC
	KAYDEN BERNARD H
	LANGUAGE & LEARNING ASSOC
	LARUSSO, FRANK J
	LAUREN ABRAMSON ATTORNEY
	LION ADVERTISING ASSOC INC
	MCCULLOUGH, FRANK S
	MIANO LAW OFFICES
	MIANO, JOSEPH
	NEW YORK TITLE RESEARCH
	NEWMAN CONSULTING & INVESTING
	OAKRIDGE STAFFING
	OPTICAL ARCHIVES
	OVATION TRAVEL
	PHYLLIS SHECK LEARNING CTR
	PMA INSURANCE GROUP
	POSNER HERBERT N
	POSNER, HERBERT N
	RAO & RAO
	RAO, RAVINDRA B
	RATTET PASTERNAK GORDON OLIVE
	RATTET PASTERNAK GORDON OLIVER
	RATTET, ROBERT L
	ROBERT W THORNE ASSOC LTD
	ROSEN DEVELOPMENT GROUP
	RUSAL AMERICA CORP
	SALANDRA & SERLUCA
	SCARSDALE MEDICAL GROUP LLP
	SCHNITZER & KONDUB PC
	SLOANE AGENCY INC
	SLOANE, MONIQUE L
	SOLTIS OLGA MD
	SOLTIS, OLGA
	SPRINGFIELD OIL INC
	STROHMAYER A J
	STROHMAYER, ALAN
	T & M PROTECTION RESOURCES
	WEATHERVANE TITLE INSURANCE
	WESTCHESTER FAMILY
	WOLMAN STEPHANIE L OD
	WOLMAN, STEPHANI
600	550 MAMARONECK ASSOC LLC

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MAMARONECK AVE 2010 (Cont'd)

600	600 MAMARONECK ASSOC LLC
	BEHRMAN LAUREN PHD
	BEHRMAN, LAUREN
	BROCK, THOMAS W
	DROGIN & KATZ
	FIRST CARDINAL CORP
	FIRST PLACE STAFFING
	FRED C GLOECKNER CO INC
	HUDSON VALLEY PERINATAL CNSLNT
	ICON ASSET ACQUISITION
	KISSNER GROUP
	LPI, W
	MAXX PROPERTIES
	MIRA WOMAN IMAGING
	MONTEFIORE LASER & EYE CTR
	MULLER JACQUELINE MD
	NETWORK CRAZY INC
	NORTH WINDS ADVISORS
	PRIMA, LUCI
	RADIATION ELECTRONICS INC
	RATNER, CLIFFORD M
	RETINA PRACTICEWHITE PLAINS
	SAUL KOBRICK LAW OFFICES
	SENSIBLE HEARING SOLUTIONS
	SHAFFER WEALTH MANAGEMENT
	SPECIALTY ORTHOPAEDICS
	SPECIALTY ORTHOPEDICS
	SYNERGY WORKPLACES
	THREE ARROWS CO
	TOM, BROCK
	WALKER, JENNIFER
	WINDSOR PROPERTIES
	WOOLF, FRED
	WORKTOPIA
608	SCARSO, BRONWYN

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MAMARONECK AVE 2005

325	OCCUPANT UNKNOWN,
380	OCCUPANT UNKNOWN,
400	ZELDAN, BARBARA
411	ARCADIA FLORAL CO
440	ARMARK FOOD INC
	BANK OF NEW YORK
	BANK OF NY
	BNY MORTGAGE CO LLC
450	BLC CORP
	CBL CAPITAL CORP
	CITICAPITAL
	CITICORP NORTH AMERICA INC
	CITICORP RAILMARK INC
	CITIGROUP
	CULLIGAN PATRICK LAW OFFICE
480	585 N BARRY CORP
	FALCO GERARD
	JOSEPH MORSCHAUSER DC
	LASALLE SYSTEMS LEASING
	LAW OFFICES OF EDMUND C GRAINGER JR
	LEVINE LINNEA J
	NEWTHINKINC NET
	ROBERT P KELLY
	THORNE CREATIVE RESEARCH
	TOWN PLANNER CALENDAR
500	27 HARVARD COURT LLC
	500 MAMARONECK AV LP
	ACAPPELLA SOFTWARE INC
	AGNOS GROUP LLC
	AMERICAN EXPRESS
	AMERICAN EXPRESS FINANCIAL ADVISORS
	ARLEO, MARYFRANCES
	BARRINGTON CHEMICAL CORP
	BARRY, CHRISTOPHER
	CAMPUS TRAVEL INC
	CASTLE OIL CORP
	CBG INVESTMENT ADVISORS INC
	CHEMLUBE INTERNATIONAL INC
	CHO ENTERPRISES INC
	CHOCK FULL ONUTS CORP
	CHURCH TAVERN ADVISORS LLC
	COMPO MICROTECH INC
	E FRIEDMAN MARKETING SERVICES INC
	GOLDBERG JACOB J
	GREENBAUM, SCOTT
	HARTZ B2 E LLC
	I BEHAVIOR INC
	LANDRY, ROBERT E
	LANZA, FRANK C
	LEGACY CONSTRUCTION CORP

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MAMARONECK AVE 2005 (Cont'd)

500 LIFE GOALS ASSET MANAGEMENT CO
MAH LLC
N O P WORLD LLC
N O P WORLD UNITED BUSINESS MEDICAL
NOTO TRAVEL INC
OCONNOR, DAVIES M
OPINION ONE LTD
OPTIS MANAGEMENT INC
ORTIZ, R
RAIL EUROPE INC
REACHCAPITAL MGMT LLC
ROPER ASW LLC
SARA LEE COFFEE & TEA CONSUMER BRAND
SCHULMAN MANAGEMENT CORP
SCHULMAN REALTY GROUP
SCOTT D GREENBAUM DDS
SOJKA, KENNETH L
SOLCZ, M P
UNIVERSAL REMOTE CONTROL INC
VOESTALPINE USA CORP
WEST ROCHELLE TRAVEL AGENCY
550 AEGIS MERCHANT SERVICES
AIR MASTER
ALTER & GOLDMAN
APERTATE CORP
APPLE METRO INC
BHI BROKERAGE SERVICES INC
BICKLER, BROWN
BOREK, THOMAS
BRANDONC LLC
BROADWAY REAL ESTATE SERVICES LLC
BROWN BICKLER & CO
BURACK INVESTMENTS
CARDHOLDER BROKERAGE SERVICES
CLAREMON I N
DAN & CAROLE MANAGEMENT LLC
DIETRICH, JEANNE
DORADO APARTMENTS JV LTD
EDWARD I SPEER CPA
ELISA GOLDKLANG
FEDELE RONALD D
FEDELE, RONALD D
FITZMAURICE & PARKER
FUSCO GOTTLIEB ASSOCS
FUTURE IMAGE INC
GOLDKLANG, ELISA
HEALTHSOUTH
HOMELAND DEVELOPMENT LLC
HOMERICA MORTGAGE CORP
INTERMONETARY CORP

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MAMARONECK AVE 2005 (Cont'd)

550	IRVING & RUTH CLAREMON FOUNDATION
	IVY REHABILITATION NETWORK INC
	JASPER ENERGY LLC
	JUDICIAL TITLE INSURANCE
	JUDICIAL TITLE INSURANCE AGENCY
	LARUSSO, FRANK J
	LDR ENTERPRISES INC
	LEND, L
	LION ADVERTISING ASSOCIATES INC
	MARCH OF DIMES
	MARKETING IMPACT
	MATHOG & MONTICELLO CO INC
	MCCULLOUGH, FRANK S
	MELNIKOFF, RUTH
	MICH MANOR INC
	NEW YORK ESCROW & SETTLEMENT CO
	NEW YORK TITLE RESEARCH
	OAK STREET PARTNERS INC
	OBSI
	PASTERNAK JOHNATHAN ATTORNEY
	PHOTOGRAPHIC IMAGING MFRS ASSN
	PICTURE SERVICES NETWORK
	PIERRE MORAN MTG LLC
	POSNER, HERBERT N
	RAO, B R
	RATTET PASTERNAK LLP
	RATTET, ROBERT
	RAYMOND Z CORP
	RECOVERY PHYSICAL THERAPY PC
	RILMO LLC
	ROSALIND W ROTHMAN
	ROSEN DEVELOPMENT GROUP
	ROTHMAN, ROSALIND W
	RUSAL AMERICA CORP
	SCHNITZER & KONDUB PC
	SELECT COVERAGE CORP
	SIBIRSKY ALUMINUM PRODUCTS
	SILVER COUNCIL INC
	SISCO, FRANK A
	SLOANE AGENCY
	TFP THERAPY
	THE PARKER GROUP INC
	THOMAS MC EVILY KEEVILY SPERO WHITE
	UNITED STATES TENNIS ASSN EASTERN
	VECCHIO, EUGENIA
	VORNADO REALTY TRUST
600	BROCK, THOMAS W
	COMSTOCK INC
	DECICCO, FRED
	EASTERN ASSN OF EQUIPMENT LESSORS

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MAMARONECK AVE 2005 (Cont'd)

600	FRED C GLOECKNER & CO INC
	GOLDRICH, DAVID
	GRAYMARK TISSUE CO
	ICON CAPITAL CORP
	ICON CASH FLOW PARTNERS LP SVEN
	ICON EXECUTIVE SUITES
	KARP, DAVID M
	KEIZAIKAI USA INC
	MARKET DEVELOPMENT ALLIANCE
	MORRIS, KARP
	MULLER, JACQUELINE
	NETWORK CRAZY INC
	RATNER, CLIFFORD M
	RETINA PRACTICE WHITE PLAINS
	RIBBON NARROW SALES LLC
	RUSSO, ALAN J
	SEASONAL SPECIALTIES
	SECURITIES DEALING SYSTEMS
	SIBERSKY ALUMINUM PRODUCTS USA
	THREE ARROWS CO
	WIN INC
	WORKTOPIA
	ZOLDAN CHAPPAQUA LLC
658	POLLACK, CONRAD

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MAMARONECK AVE 2000

450	CITICORP
480	ARAN CAPITAL CORP
	CLUNE J RUSSELL PC
	KLEIN JACQUELINE
	SVOBODA ROBERT CPA
500	AMERICAN EXPRESS FINANCIAL ADVISORS INCORPORATED
	CANADA LIFE INS COMPANY OF NEW Y
	CASRLE OIL
	CASTLE OIL
	CASTLE OIL CORPORATION
	FOOD CITY MARKETS
	FOOD CITY MKTS INCORPORATED OFFICE
	GELBARD, STUART R
	HILLCREST FUEL SERVICE
	METRIC TOURS INCORPORATED
	RICH WORLDWIDE TRAVEL INCORPORATED
	SCHULMAN REALTY GROUP
	SKYTEL
	TRAVEL LADY THE
550	AIR MASTER
	ALTER, MADI H
	APPLE METRO INCORPORATED
	ASSOCIATED INSURANCE AGENCY OF WESTCHESTER INCORPORATED
	BEL AIRE PARTNERS LLC
	BERRY & BERRY BROKERAGE CORPORATION
	BURACK INVESTMENTS
	CARTON ROBIN ATTORNEY
	CBSI
	CLAREMON I N REAL ESTATE
	COHANE RAFFERTY SECURITIES
	CONTE & COMPANY
	CRAIG INTERNATIONAL AGENCY
	DIETER DEBBIE PT PC
	DIETRICH JEANNE PH D
	DIMARCO, MARY D
	EASTERN TENNIS ASSOCIATES
	FINANCIAL SOLUTIONS OF WESTCHESTER INCORPORATED
	FUSCO GOTTLIEB ASSOCIATE
	G A M C INCORPORATED
	GLUCKSMAN JAMES ATTORNEY
	GOLDKLANG ELISA MS
	GOLDKLANG, ELISA
	HALE BORENSTEIN LIMITED
	HARTSDALE PAGANO AGENCY
	HEALTHSOUTH SPORTS MEDICINE & REHABILITATION CENTER
	HERBST, AMALIE
	HERITAGE RETIREMENT RESOURCES
	HOMERICA MORTGAGE CORPORATION
	HOROWITZ ROBERT MANAGEMENT INCORPORATED
	INTEC GROUP

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MAMARONECK AVE 2000 (Cont'd)

550 JUDICIAL TITLE INSURANCE AG
JUDICIAL TITLE INSURANCE AGENCY
KAYDEN BERNARD H ATTORNEY
KEEVILY SPERO WHITELAW INCORPORATED
LANGUAGE & LEARNING ASSOCIATES
LARUSSO FRANK J CPA
LAWYERS TRAVEL SERVICE
MARKETING IMPACT INCORPORATED
MCCULLOUGH GOLDBERGER & STAUDT
MCCULLOUGH, FRANK S
MEENAN MCDEVITT & COMPANY INCORPORATED
MELNIKOFF RUTH ATTORNEY
MENDIK
METROPOLITAN COMMUNICATIONS
MONTROSE MILLS INCORPORATED
NATIONAL ASSOCIATION OF PHOTOGRAPHIC MANUFACTURERS INCORPORA
NICKOLETOS TINA ATTORNEY
OPUS THREE LIMITED
ORTHO NET
PARTNERS IN FAITH
PASTERNAK JOHNATHAN ATTORNEY
PENROSE ASSOCIATES
PHOTOGRAPHIC & IMAGING MANUFACTURERS ASSOCIATE INCORPORATED
PHOTOGRAPHIC & IMAGING MANUFACTURERS ASSOCIATES INCORPORATED
POSNER HERBERT N ATTORNEY
PROFESSIONAL SPORTS CARE
PROFESSIONAL SPORTS CARE MANAGEMENT
RAFFERTY CAPITAL MARKETS INCORPORATED
RAO B RAVINDRA
RAO, B R
RATTET HOLLANDER & PASTERNAK
RATTET HOLLANDER & PASTERNAK LLP
ROSALIND W ROTHMAN EDD
ROSALIND, W R
ROSEN DEVELOPMENT GROUP
ROSOFF DAVID ATTORNEY
ROTHMAN, R W
S K & C ADVERTISING
SCHNITZER ROSS & CO
SCHOEN KAPELUS & CIPRIANO
SELECT COVERAGE CORP
SHOGUN TRADING
SISCO FRANK A CPA
SKC ADVERTISING INCORPORATED
SKC ADVTNG INCORPORATED
SLOANE TRAVEL SERVICE
TAYLOR BENJAMIN I ATTORNEY
THE PARKER GROUP INCORPORATED
THE ZARKIN GROUP INCORPORATED
TITLE INSURANCE FROM JUDICIAL TITLE

MAMARONECK AVE 2000 (Cont'd)

550 U S TENNIS ASSOCIATION
WEATHERVANE TITLE INSURANCE
WESTCHESTER ADVISORY GROUP
WORLD TRAVEL SPECIALISTS
ZORBRE TRADING
600 ALLSTATE INSURANCE COMPANIES
ALLSTATE INSURANCE COMPANIES CLAIMS OFFICES
ASA ASSOCIATES LLC
BEHRINS KENNETH
BEHRINS, KENNETH
BUILDING MAINTENANCE SERVICE CORPORATION
CAMPBELL ROBERT
CAMPBELL, ROBERT
COM STOCK
COMPOSITES INSTITUTES
COMSTOCK
DAVIDOFF & BURASCA ATTORNEYS
DIRECTIONS FOR DECISIONS
EASTERN ASSOCIATION OF EQUIPMENT LESSORS
GLOECKNER FRED C & COMPANY
GOLDRICH DAVID L ATTORNEY
ICON ASSET ACQUISITION LLC
ICON CAPITAL CORPORATION
ICON CONFERENCE CENTER
ICON EXECUTIVE SUITES
INNOVAL SYSTEMS SOLUTIONS INCORPORATED
INTELLICOMP
KAMI REALTY TRUST LLC
KARP FAMILY ASSOCIATES
M G C GRIFFIN CAPITAL CORPORATION
MENDIK REALTY COMPANY
MORRIS KARP
MULLER JACQUELINE MD
NEW COURT LINC FINANCIAL
NEW YORK FOOD GROUP
NORTHERN BUSINESS SYSTEMS
PALAMAR MISR USA INCORPORATED
RATNER CLIFFORD M MD
RESIDENTIAL MORTGAGE CORP
RUSSO ALAN J ACCTNG
SEASONAL SPECIALTIES LLC
SPOOR BEHRINS CAMPBELL & YOUNG INCORPORATED
SPOOR, T R
STAFFING ADVANTAGE INCORPORATED
SUPER LAUNDRY EQUIPMENT CORP
THREE ARROWS COMPANY
W & Z DEVELOPMENT
YOUNG MICHAEL
YOUNG, MICHAEL

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MAMARONECK AVE 1995

440	BANK OF NEW YORK THE-WESTCHESTER/PUTNAM DIVISION-GENERAL INF
450	CITICORP EQUIPMENT FINANCE & LEASING
	CITICORP-CITICORP EQUIPMENT FINANCE & LEASING
480	CLUNE, J RUSSELL PC
	SVOBODA ROBERT, CPA
500	AMERICAN EXPRESS FINANCIAL ADVISORS INC
	AMERICAN INTERNATIONAL PUBLISHING INC
	ANSON & BERGER INC
	CANADA LIFE INS CO OF NEW YORK
	CASTLE OIL CORP
	FOOD CITY MARKETS
	IBM CORP-SALES
	INTERNATIONAL BUSINESS MAGAZINE
	LEGACY CONSTRUCTION CORP
	LEGACY GROUP
	LEGACY MANAGEMENT
	METRIC TOURS INC
	REL CONSULTANCY GROUP
	RESOURCE EVALUATION INC
	RICH WORLDWIDE TRAVEL INC
	SCHULMAN REALTY GROUP
550	AFFILIATED BUILDING SVCE INC
	AIR MASTER
	ALLIED BOARD OF TRADE INC
	AMAKASU AMERICA
	AMERICAN AEROSPACE INDUSTRIES INC
	ASSOCIATED INSURANCE AGENCY OF WESTCHESTER INC
	BELMED ADVTNG INC
	BERRY & BERRY BROKERAGE CORP
	BOOKKEEPING LINKS
	BUILDING MAINTENANCE SVC CORP
	BURACK, DANIEL
	CARDHOLDER BROKERAGE SVCES INC
	CARTON & ROSOFF, ATTY'S
	CARTON ROBIN, ATTY
	CBSI
	CERES CHEMICAL CO INC
	CLAREMON, I N, REAL ESTATE
	COHANE RAFFERTY SECURITIES INC
	CONTE & CO
	CONTINENTAL CREDIT CORP
	CORPORATE FOOD MANAGMNT INC
	CRAIG INTERNATIONAL AGENCY
	CREDIT CLEARING HOUSE
	D C I
	DEBTCHECK INC
	FUSCO GOTTLIEB ASSOC
	GLUCKSMAN, JAMES, ATTY
	GOLDRICH, DAVID
	HALE BORENSTEIN LTD

MAMARONECK AVE 1995 (Cont'd)

550 HARTSDALE-PAGANO AGENCY
HEBEN & CO CPAS PC
HEBEN, EDWARD D, CPA
HERITAGE RETIREMENT RESOURCES
HICKS, STEPHEN L, ATTY
HOMERICA MORTGAGE CORP
HORIZON DESIGN
HOROWITZ, ROBERT MANAGEMENT INC
INSTITUTE FOR THE JEWISH FAMILY
JUDICIAL TITLE INSURANCE AGENCY INC
KAYDEN, BERNARD H, ATTY
KEEVILY SPERO-WHITELAW INC, INS
KLUGE, DONALD O, CPA
KRAWCHICK, HEBEN & CO, CPAS
LANGUAGE & LEARNING ASSOCS
LARUSSO, FRANK J, CPA
LAWYERS TRAVEL SERVICE
MARKETING IMPACT INC
MAYPRO INDUSTRIES INC
MC CULLOUGH, FRANK S, JR
MCCULLOUGH GOLDBERGER & STAUDT
MEENAN MC DEVITT & CO INC
MENDIK REALTY CO
MONTROSE MILLS INC
NATIONAL ASSN OF PHOTOGRAPHIC MFRS INC
NATIONAL CREDIT CLEARING HOUSE
NICKOLETOS, TINA, ATTY
PARMANN, MORTAGE
PARTNERS IN FAITH
PASTERNAK, JOHNATHAN, ATTY
POSNER, HERBERT N
PROFESSIONAL SPORTS CARE
PROFESSIONAL SPORTS CARE MANAGEMENT
PROFESSIONAL SPORTS CARE WESTCHESTER
RATTET HOLLANDER & PASTERNAK, LLP
RATTET, ROBERT L, ATTY
ROSALIND, W ROTHMAN, EDD
ROSEN DEVELOPMENT GROUP
ROSOFF DAVID, ATTY
ROTHMAN, ROSALIND W, EDD
ROURKE ANTHONY J J INC
SCHIFF, STEVEN
SCHNEIDER, SUSAN R, CSW
SCHOEN KAPELUS & CIPRIANO, ADVERTISING
SICKNESS AND ACCIDENT AGENCY INC
SLOANE JUDD S AGENCY INC
SLOANE TRAVEL SERVICE
STANDARD STEEL SECTIONS INC
STAUDT, JAMES, ATTY
TAYLOR, BENJAMIN I, ATTY

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MAMARONECK AVE 1995 (Cont'd)

550	THE ZARKIN GROUP INC
	TITLE INSURANCE BY JUDICIAL
	TITLE INSURANCE FROM JUDICIAL ABSTRACT CO
	U S TENNIS ASSN-EASTERN SECTIONAL OFCE
	WESTCHESTER ADVISORY GROUP
	WORLD TRAVEL SPECIALISTS
600	ABSOLUTELY WRITE INC
	AMERICAN CHIROPRACTIC NETWORK
	BEHRINS, KENNETH
	CAMPBELL, ROBERT
	CORPORATE FOOD MANAGEMENT INC
	DAVIDOFF, & BURASCA, ATTYS
	EASTERN ASSOCIATION OF EQUIPMENT LESSORS
	GLOECKNER FRED C & CO
	ICON CAPITAL CORP
	ICON CONFERENCE CENTER
	ICON EXECUTIVE SUITES
	ICON VIDEO CONFERENCE CENTER
	INNOVAL SYSTEMS SOLUTIONS INC
	MAYER, JAMES, ATTY
	MEYER & SPENCER, ATTYS
	MEYER, JAMES, ATTY
	ON LINE TELEPHONE INC
	PALAMAR MISR USA INC
	PHOTOGRAPHIC MFRS NATIONAL ASSN OF
	PREFERRED PLANNING ASSOC INC
	ROSEN, SARA M, ATTY
	RUSSO, ALAN J, ACCTNG
	SAV-A-TAX TORO LTD
	SPENCER, MATTHEW, ATTY
	SPOOR BEHRINS CAMPBELL & YOUNG INC
	SPOOR, T RICHARD
	TAYLOR & DOUGHERTY
	TOSCANO GOLDBERG INC
	YOUNG, MICHAEL

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MAMARONECK AVE 1992

440	BANK OF NEW YORK MORTGAGE CO
	BANK OF NEW YORK THE-WESTCHESTER/PUTNAM DIVISION-GENERAL INF
450	C I C
	CITICORP INDUSTRIAL CREDIT
480	CLUNE, J RUSSELL PC
	SVOBODA ROBERT, CPA
500	AMERICAN INTERNATIONAL PUBLISHING INC
	CASTLE OIL CORP
	FEINBERG ANSON & BERGER INC
	FOOD CITY SUPERMARKETS
	I B M CORP
	IBM CORP-SALES/BRANCH OFFICE
	IBM ROLM SYSTEMS
	IDS FINANCIAL SVCE
	INTERNATIONAL BUSINESS MAGAZINE
	RESOURCE EVALUATION LTD
550	AFFILIATED BUILDING SVCE INC
	ALLIED BOARD OF TRADE INC
	AMAKASU AMERICA
	AMERICAN AEROSPACE INDUSTRIES INC
	BELMED ADVTNG INC
	BERRY & BERRY BROKERAGE CORP
	BRONDOW INC
	CAMDEN FIRE INSURANCE ASSN THE
	CARDHOLDER BROKERAGE SVCES INC
	CBSI
	CERES CHEMICAL CO INC
	COHANE RAFFERTY SECURITIES INC
	CONTE & CO
	CONTINENTAL CREDIT CORP
	CORPORATE FOOD MANAGMNT INC
	CRAIG INTERNATIONAL AGENCY
	CREDIT CLEARING HOUSE
	D'HOOGE USA, LAUNDRY EQUIP
	DEBTCHECK INC
	EASTERN TENNIS ASSN
	EMPIRE FINANCIAL CORP
	ESCO INDUSTRIES INC
	FARRIS, A T
	FEDERAL INDUSTRIES
	FERRIS, A T
	FUSCO GOTTLIEB ASSOC
	GAMBESKI, GEORGE P, ATTY
	GENERAL ACCIDENT INSURANCE COMPANY OF AMERICA
	GEOGHEGAN, JOHN A, ATTY
	GOLDRICH, DAVID
	HERITAGE RETIREMENT RESOURCES
	HICKS, STEPHEN L, ATTY
	HOMERICA INC
	HOROWITZ, ROBERT MANAGEMENT INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 1992 (Cont'd)

550 JACOBS & MOSKOWITZ, ATTY
KAPLOW COMMUNICATIONS
KINGSON INTERNATIONAL CO INC
LANGUAGE & LEARNING ASSOCS
LAWYERS TRAVEL SERVICE
MARKETING IMPACT INC
MAYPRO INDUSTRIES
MAYPRO INDUSTRIES INC
MC CULLOUGH, FRANK S, JR
MCCULLOUGH GOLDBERGER & STAUDT
MEENAN MC DEVITT & CO INC
MENDIK REALTY CO
NATIONAL ASSN OF PHOTOGRAPHIC MFRS INC
NATIONAL CREDIT CLEARING HOUSE
NOSKIN, DENNIS ARCHITECT PC
PARTNERS IN FAITH
PASTERNAK, JOHNATHAN, ATTY
PENNSYLVANIA GENERAL INSURANCE CO
POTOMAC INSURANCE CO OF ILLINOIS
PROFESSIONAL SPORTS CARE WESTCHESTER
PRUDENTIAL INSURANCE COMPANY OF AMERICA THE-ORDINARY AGENCIE
RATTET & COMPANY P C
ROSALIND, W ROTHMAN, EDD
ROTHMAN, ROSALIND W, EDD
ROURKE ANTHONY J J INC
SCHNEIDER, SUSAN R CSW
SICKNESS AND ACCIDENT AGENCY INC
SLOANE JUDD S AGENCY INC
SLOANE TRAVEL SERVICE
STANDARD STEEL SECTIONS INC
STAUDT, JAMES, ATTY
TAYLOR, BENJAMIN I, ATTY
UNORTHODOX DESIGN INC
WORLD TRAVEL SPECIALIST
WORLD TRAVEL SPECIALISTS
600 PHOTOGRAPHIC MFRS NATIONAL ASSN OF

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

MAMARONECK AVE 1987

● **MAMARONECK AVE** **10528**

Harrison PO

1– END CT 84.01 $A..J 5

380	Garth Apres	.84	698–1766
400★	Andor	.85	698–3826
	J Franco	.84	698–3780
440★	The Bank of New Yk	.80	899–6000
450★	CIC	.82	899–7000
★	Citicorp Indstrl C	.81	899–7000
480★	J R Clune PC	.85	698–8200
500★	Harmonay Co	.81	698–6850
550★	Alfano&Alfano Aty	.74	835–4411
★	Allied Bd of Trade	.83	381–5200
★	AM Arspc Inds Inc	.83	698–9379
★	Herbert Beenhouwer	.79	698–5711
★	Brondow Inc	.74	698–6544
★	Camden Fire Ins	.84	698–3301
★	Continental Crdt	.85	381–2204
★	Credit Clearng Hse	.75	381–2204
★	Evergreen Fund Inc	.79	698–5711
★	A T Farris	.74	698–6544
★	Federal Industries	¤	698–1539
★	A T Ferris	.74	698–6544
★	Wm S Friedman Aty	.81	381–4300
★	General Accdnt Ins	.74	698–3301
★	J A Geoghegan Aty	.81	381–4300
★	W L Hamilton Ins	.75	833–0820
★	S L Hicks Aty	.85	381–4300
★	ITEK Graphic	.74	835–4400
★	Kingson Intrntl Co	.74	698–8304
★	Lncstr Sys Inc	.85	698–5556
★	F J Larusso CPA	.85	835–1341
★	Lieber&Co	.82	698–5711
★	Stephen A Lieber	.79	698–5711
★	Mktng Systm of Amr	.85	381–5511
★	Hon F S McCullough	.81	381–4300
★	Mendik Realty Co	¤	698–6409
★	Mendik Realty Co	¤	698–6571
★	Mitchell Sndwch	.85	835–6555
★	National Credt Clr	.75	381–2361
★	NW Dimension Hsing	¤	835–4600
★	PHP International	.77	698–9374
★	Penn Genl Insur Co	.74	698–3301
★	Petrillium Inc	.82	698–0111
★	Plumbers Fund	.74	698–6449
★	Plumbers Pension	.74	698–3345
★	Plumbers Welfare	.74	698–3344
★	Plus Mktng Intrntl	.85	381–2333
★	Potomac Ins Co	.74	698–3301
★	Prudential Ins Co	.75	698–3903
★	Prdntl Ins Amrc Br	.83	698–2841
★	A J J Rourke Inc	.74	698–9100
★	Sxn Wds Asst Mngmt	.79	698–5711
★	James Staudt Aty	.81	381–4300
★	B I Taylor Aty	.81	381–4300
★	Taylor&Asc Aty	.81	381–4300
★	U A Dist Councl 12	.74	698–6449
600★	IBM Corp		899–4100
★	Frank M Katz Inc	.76	835–4202
★	Ntl Assn Photgrphc		698–7603
★	Photographic Mfrs		698–7603
★	Rapa Restaurants	.77	381–2452
NO #★	Acorn Landscp&Gdn		698–7846

2 RESIDENCE 58 BUSINESS

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

MAMARONECK AVE 1982

MAMARONECK AVE 10528
Harrison PO
1- END TZ 8401 $A..P 3
072910

400	NP	
440	★Bank of Commerce ¤	899-6014
	★Bank of Commerce ¤	899-6705
	★Bank of Commerce ¤	899-6147
	★Bank of Commerce ¤	899-6000
482	Brian Roberts ¤	698-3628
486	★A-1 Suburb Carting ¤	835-4382
550	★Alfano&Alfano Atty	835-4411
	★Herbert Beenhouwer	698-5711
	★L Berger Assocs	698-2260
	★Beumer Corp	381-2332
	★Brondow Inc	698-6544
	★Camden Fire Ins	698-3301
	★Clune&Assocs	698-8200
	★Contl Credit Cntrl	381-2204
	★Corroon&Black ¤	698-8030
	★Credit Clearng Hse	381-2204
	★J F Ecclesine Ins	381-2304
	★Evergreen Fund Inc	698-5711
	★Evrgrn Ttl Rtn Fnd	698-5711
	★A T Farris	698-6544
	★Gen Accidnt Fre&Lf	698-3301
	★General Accidnt Gr	698-3301
	★W L Hamilton Ins	381-2300
	★M Harmonay Corp	698-6850
	★Haver Filng System	381-2000
	★Importers Claims	835-3474
	★ITEK Graphic Prods	835-4400
	★Kingson Intrntl Co	698-8304
	★Krupp Internationl	381-2000
	★Krupp Steel Prods	698-4707
	★I Lefkowitz Archt	698-2882
	★Lend Lease-Car Lsg	698-4170
	★Stephen A Lieber	698-5711
	★Luckower Herbrt&Co	698-7404
	★J A Maria Atty	698-8200
	★E F C McLaughlin	698-7065
	★NY Cty Clng Sv Inc	698-8600
	★Natl Assn Prtg Ink	698-1004
	★National Credt Clr	381-2361
	★Nationwide Insr Co	381-2277
	★Nationwide Ins Co	381-2466
	★Northwstrn Mutl Lf	381-2300
	★Northwstrn Mutl Lf	381-2303
	★Nrthwstrn Mtl Life	381-2304
	★NW Mutual Life Ins	381-2300
	★Northwtn Life Ins	381-2302
	★Nrthwstrn Mtl Life	381-2881
	★NW Mutual Life Ins	381-2307
	★Nrthwstrn Mtl Life	381-2309
	★M J OBrien Inc	698-9505
	★Php International	698-9374
	★H R Pedersen Cl Sv	835-3474
	★Penn Genl Insur Co	698-3301
	★Plumbers Fund	698-6449
	★Plumbers Pension	698-3345
	★Plumbers Welfare	698-3344
	★Poloron Prods Inc	381-2800
	★Potomac Ins Co	698-3301
	★Presto Prods Inc	698-3001
	★Property Mgt Systm	698-6409
	★Property Managemt	698-6571
	★A J J Rourke Inc	698-9100
	★Sxn Wds Asst Mngmt	698-5711
	★A L Schiavetti Aty	698-8200
	★Siemers Steamship	835-4845
	★Eugene Singer	698-0111
	★Superior Maintnanc	698-8600
	★J O Todd Organiztn	381-2304
	★Trinder&Norwood	381-2333
	★U A Dist Council 12	698-6449
600	★Evergreen Fund	698-5711
	★Evergreen Total Rt	698-5711
	★General Electric	899-8244
	★General Electric	899-8220
	★IBM Corp	899-4100
	★IBM Corp ¤	899-4493
	★IBM Corp ¤	899-4576
	★IBM Corp	698-7003
	★IBM Corp	698-3133
	★IBM Corp	765-3017
	★Frank M Katz Inc	835-4202
	★Lieber&Co	698-5711
	★Stephen A Lieber	698-5711
	★Ntl Assn Photgrphc	698-7603
	★Photographic Mfrs	698-7603
	★Rapa Restaurants	381-2452
	★Rapa Restrnts Inc	835-2127
No #	★Acorn Landscp&Gdn	698-7845
No #	★Frank Briscoe Co	698-9290
No #	P Settler -	698-6312

3 Residence 88 Business

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

MAMARONECK AVE 1977

MAMARONECK AVE 10528
Harrison PO

1- END TZ 8401 SA P 3

400	Jack McKenna	4	OW8-5654
550	★Alfano&Alfano Atty		835-4411
	★L Berger Assocs		698-2260
	★C G Brimmekamp&Co–		381-2000
	★Brondow Inc		698-6544
	★Camden Fire Ins		698-3301
	★Clune&Assocs		698-8200
	★Chantrill Clune		698-1040
	★Compensatn Progrms		698-8030
	★Contntl Kitchens		835-0417
	★Contl Credit Cntrl	¤	381-2204
	★Credit Clearng Hse		381-2204
	★Dartmouth Plan Inc		698-4040
	★J F Ecclesine Ins		381-2304
	★Fafnir Bearing		835-2300
	★Fafnir Bearing	¤	835-2300
	★A T Farris		698-6544
	★Five Star Food		698-7440
	★Foodways Intrl Mkt		698-0779
	★Gallagher-Bassett		835-5094
	★Gen Accidnt Fre&Lf		698-3301
	★General Accidnt Gr		698-3301
	★W L Hamilton Ins		381-2300
	★M Harmonay Corp		698-6850
	★Hartford Ins Group		698-0092
	★Importers Claims	¤	835-3474
	★ITEK Graphic Prods		835-4400
	★Kingson Intrntl Co		698-8304
	★Kornbergs Sales	¤	698-2710
	★Krupp Internationl	–	381-2000
	★Krupp Steel Prods	–	698-4707
	★I Lefkowitz Archt	–	698-2882
	★E F C McLaughlin		698-7065
	★National Assn		698-1004
	★National Car Rentl		698-4170
	★National Credt Clr		381-2361
	★Nationwide Ins Co		381-2466
	★Northwstrn Mutl Lf		381-2300
	★Northwstrn Mutl Lf		381-2303
	★Northwstrn Mutl Lf		381-2304
	★Nrthwstrn Mtl Life		381-2300
	★Northwstrn Mutl Lf		381-2307
	★Northwstrn Mutl Lf		381-2306
	★Northwtn Life Ins		381-2302
	★Nrthwstrn Mtl Life		381-2881
	★Nrthwstrn Mtl Life		381-2309
	★Northwtn Life Ins		381-2300
	★M J OBrien Inc		698-9505
	★H R Pedersen Cl Sv	¤	835-3474
	★Penn Genl Insur Co		698-3301
	★Plumbers Fund		698-6449
	★Plumbers Pension		698-3345
	★Plumbers Welfare		698-3344
	★Poloron Prods Inc		381-2800
	★John A Porter Ins		381-2302
	★Potomac Ins Co		698-3301
	★Presto Prods Inc		698-3001
	★Prudential Ins Co		698-3903
	★Pyrotronics		381-2505

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

MAMARONECK AVE 1977

550	★	A J J Rourke Inc		698-9100
	★	Saxon Wd Ofc Ctr 2		698-3075
	★	A L Schiavetti Aty		698-8200
	★	W H Siemers Agcy		835-4845
	★	Trinder&Norwood		381-2333
	★	Tucci Corp		698-1040
	★	U A Dist Councl 12		698-6449
	★	Vydec Inc		698-9500
600	★	American Can Co		698-9102
	★	Herbert Beenhouwer		698-5711
	★	Coffee Break Assoc		835-4712
	★	Genl Electric Co		698-7450
	★	IBM Corp		698-7003
	★	IBM Corp		698-7201
	★	IBM Corp		698-3133
	★	IBM Corp		765-3017
	★	Frank M Katz Inc	⌑	835-4202
	★	Lieber&Co		698-5711
	★	Stephen A Lieber		698-5711
	★	Ntl Assn Photgrphc		698-7603
	★	Photographic Mfrs		698-7603
	★	Saxon Wd Asst Mngt		698-5711
	★	Saxon Woods Center		698-5215
	★	The Evergreen Fund		698-5711
	★	The Evergrn Fund		698-5711
No #	★	Acorn Landscp&Gdn		698-7846
No #	★	Boy Scouts of Amer		698-2838
No #		Franklin I Gamwell	5	698-4256
No #		Vincent N Vitti		698-2838
No #		George B Voetsch		698-3628
		4 Residence	85	Business

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

MAMARONECK AVE 1972

```
MAMARONECK AVE                    10528
.......................................
      HARRISON PO
...      1-  END T    8401 $A..P 3
  400 MRS B S MARKS          OW85654
  600*AMERICAN CAN CO        6989102
      HERBERT BEENHOUWER     6985711
     *COFFEE BREAK ASSOC¤8354712
     *GENL ELECTRIC CO       6987450
     *IBM CORP               6984100
     *IBM CORP               6983133
     *IBM CORP               6987003
     *LIEBER&CO              6985711
      STEPHEN A LIEBER       6985711
     *NTL ASSN PHOTGRPHC     6987603
     *PHOTOGRAPHIC MFRS      6987603
     *SAXON WD ASST MNGT¤6985711
     *SAXON WOODS CENTER     6985215
     *THE SERVICE BUS        6983903
     *THE EVERGREEN FUND¤6985711
 NO #*ACORN LANDSCP&GDN      6987846
 NO # GARTH APRESS          ¤6983574
 NO #*BOY SCOUTS OF AMER     6982838
 NO #*M HARMONAY CORP        6989700
 NO # VINCENT N VITTI        6982838
 NO # GEORGE B VOETSCH       6983628
      6 RESIDENCE     16 BUSINESS
```

500 MAMARONECK AVE
500 MAMARONECK AVE
HARRISON, NY 10528

Inquiry Number: 6916986.7S
MARCH 29, 2022

EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

500 MAMARONECK AVE
500 MAMARONECK AVE
HARRISON, NY 10528

RESEARCH SOURCE

Source 1: WESTCHESTER COUNTY RECORDER'S OFFICE

Source 2: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Legal Description:	AS RECORDED IN THE DEED ATTACHED.
Current Owner:	ESRT 500 MAMARONECK AVENUE LLC
Property Identifiers:	2801-000-482-00000-000-0008
Comments:	NA

Deed 1

Type of Deed:	BARGAIN AND SALE DEED
Title is vested in:	ESRT 500 MAMARONECK AVENUE LLC
Title received from:	500 MAMARONECK AVENUE LP
Date Executed:	10/07/2013
Date Recorded:	10/21/2013
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	532783021
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

532783021DED004V

Westchester County Recording & Endorsement Page

Submitter Information

Name:	First American Title Ins. NY Divison	Phone:	212-922-9700
Address 1:	633 Third Avenue	Fax:	212-922-0881
Address 2:		Email:	WestchestereRecordings@firstam.com
City/State/Zip:	New York NY 10017	Reference for Submitter:	529434/is

Document Details

Control Number: **532783021** Document Type: **Deed (DED)**

Package ID: 2013100500010001003 Document Page Count: **7** Total Page Count: **8**

Parties

☐ Additional Parties on Continuation page

1st PARTY		2nd PARTY	
1: 500 MAMARONECK AVENUE L P	- Other	1: ESRT 500 MAMARONECK AVENUE LLC	- Other
2: VIVIANE PARIS LLC	- Other	2:	

Property

☐ Additional Properties on Continuation page

Street Address: 500 MAMARONEK AVENUE Tax Designation: -482-8

City/Town: HARRISON Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1: 2: 3: 4:

Supporting Documents

1: RP-5217 2: TP-584 3: TP-584.1

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$40.00
Cross-Reference Fee:	$0.00
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$250.00
TP-584 Filing Fee:	$5.00
Total Recording Fees Paid:	**$335.00**

Transfer Taxes

Consideration:	$41,229,043.55
Transfer Tax:	$164,918.00
Mansion Tax:	$0.00
Transfer Tax Number:	3777

Mortgage Taxes

Document Date:

Mortgage Amount:

Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK

WESTCHESTER COUNTY SEAL

Recorded: 10/21/2013 at 03:23 PM

Control Number: **532783021**

Witness my hand and official seal

Timothy C.Idoni
Westchester County Clerk

Record and Return To

☐ Pick-up at County Clerk's office

Clifford Chance, L.L.P.
31 West 52nd Street

New York, NY 10019

3020-529434

BARGAIN AND SALE DEED WITHOUT COVENANT AGAINST GRANTOR'S ACTS

THIS INDENTURE, made as of the 7th day of October, 2013, **BETWEEN** 500 MAMARONECK AVENUE L.P., a Delaware limited partnership, having an office c/o Malkin Holdings LLC, One Grand Central Place, 60 East 42nd Street, New York, New York 10165 and VIVIANE PARIS, LLC, a New York limited liability company, having an address at 475 Park Avenue, Apartment 11C, New York, New York 10022 (collectively, "Grantor"), and ESRT 500 MAMARONECK AVENUE, L.L.C., a Delaware limited liability company, having an office at c/o Empire State Realty Trust, Inc., One Grand Central Place, 60 East 42nd Street, New York, New York 10165 ("Grantee").

WITNESSETH, that Grantor, in consideration of Ten Dollars and other valuable consideration, paid by Grantee, does hereby grant and release unto Grantee, the heirs or successors and assigns of Grantee forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the City of Harrison, County of Westchester and State of New York and more particularly described on Schedule A annexed hereto and made a part hereof, being the same premises conveyed to Grantor by that certain Bargain and Sale Deed Without Covenant Against Grantor's Acts from 500 Mamaroneck Avenue Associates dated April 30, 1999 and recorded on May 6, 1999 in Liber 12289 Cp 181 in the Office of the Westchester County Clerk,

TOGETHER with all right, title and interest, if any, of Grantor in and to any streets and roads abutting the above described premises to the center lines thereof,

TOGETHER with the appurtenances and all the estate and rights of the party of Grantor in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the Grantee, the heirs or successors and assigns of the party of the second part forever.

AND Grantor, in compliance with Section 13 of the Lien Law, covenants that Grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

[*Signature Page Follows*]

IN WITNESS WHEREOF, Grantor has duly executed this deed as of the day and year first above written.

GRANTOR:

500 MAMARONECK AVENUE L.P.,
a Delaware limited partnership

By: MALKIN 500 Mamaroneck L.L.C., its general partner

By:_____
Name: Anthony E. Malkin
Title: Managing Member

VIVIANE PARIS, LLC,
a New York limited liability company

By: 500 MAMARONECK AVENUE L.P.,
its authorized signatory

By: MALKIN 500 Mamaroneck L.L.C., its general partner

By:_____
Name: Anthony E. Malkin
Title: Managing Member

[SIGNATURE PAGE – DEED]

ACKNOWLEDGMENT IN NEW YORK STATE (RPL 309-a)

State of New York)
) ss.:
County of New York)

On October 1, 2013, before me, the undersigned, personally appeared Anthony E. Malkin personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

IRENE PROFETTO
NOTARY PUBLIC, State of New York
No. 01PR4986287
Qualified in Queens County
Commission Expires Sept. 9, 2017

Irene Profetto
(signature and office of individual taking acknowledgement)

ACKNOWLEDGMENT IN NEW YORK STATE (RPL 309-a)

State of New York)
) ss.:
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Irene Profetto
(signature and office of individual taking acknowledgement)

IRENE PROFETTO
NOTARY PUBLIC, State of New York
No. 01PR4986287
Qualified in Queens County
Commission Expires Sept. 9, 2017

SCHEDULE A
LEGAL DESCRIPTION

ALL THAT PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE TOWN AND VILLAGE OF HARRISON, COUNTY OF WESTCHESTER AND STATE OF NEW YORK BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY SIDE OF MAMARONECK AVENUE DISTANT 1130.11 FEET SOUTHERLY AS MEASURED ALONG SAME, FROM ITS INTERSECTION WITH THE SOUTHERLY SIDE OF UNION AVENUE;

THENCE SOUTH 61° 59' 42" EAST, 74.98 FEET;
SOUTH 86° 51' 45" EAST, 291.97 FEET;
NORTH 48° 08' 15" EAST, 372.87 FEET TO LANDS KNOWN AS RESUBDIVISION MAP OF A PORTION OF PLEASANT RIDGE HEIGHTS MAP NO. 7877;

THENCE ALONG SAID LAST MENTIONED LANDS, THE FOLLOWING COURSES AND DISTANCES:

SOUTH 3° 08' 15" WEST, 125.43 FEET;
SOUTH 58° 32' EAST, 76.82 FEET;
SOUTH 58° 02' EAST, 132.06 FEET;
SOUTH 58° 22' 20" EAST, 85.83 FEET;
SOUTH 59° 51' 45" EAST, 11.46 FEET;
SOUTH 77° 09' 30" EAST, 32.01 FEET;
SOUTH 78° 59' 50" EAST, 57.07 FEET;
SOUTH 77° 37' 10" EAST, 56.02 FEET;
SOUTH 82° 48' 45" EAST, 39.27 FEET;
SOUTH 77° 27' 50" EAST, 67.40 FEET;
SOUTH 75° 22' 15" EAST, 62.30 FEET;
SOUTH 74° 11' EAST, 90.55 FEET;
SOUTH 75° 07' 20" EAST, 114.39 FEET TO LANDS NOW OR FORMERLY OF RENEE R. LANDAU;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS SOUTH 40° 30' 20" WEST, 67.73 FEET AND SOUTH 42° 17' 03" WEST, 87.16 FEET TO LANDS NOW OR FORMERLY OF JOSEPHINE BIRNBAUM;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS THE FOLLOWING COURSES AND DISTANCES:

SOUTH 77° 59' 54", WEST, 35.77 FEET,
NORTH 88° 44' WEST, 33.03 FEET;
SOUTH 23° 20' 08" WEST, 77.95 FEET;
SOUTH 28° 15' 16" WEST, 50.21 FEET;

SOUTH 38° 38' 58" WEST, 17 FEET;
SOUTH 44° 16' 33" WEST, 157.81 FEET;
SOUTH 59° 33' 16" EAST, 64.10 FEET;
SOUTH 32° 02' 14" WEST, 126.34 FEET;
SOUTH 63° 36' 04" EAST, 220.55 FEET;
SOUTH 64° 26' 20" EAST, 101.07 FEET;
SOUTH 59° 59' EAST, 20.13 FEET;
SOUTH 63° 39' 55" EAST, 40.06 FEET;
SOUTH 62° 49' 03" EAST, 123.24 FEET;
SOUTH 63° 43' 29" EAST, 257.23 FEET;
SOUTH 53° 18' 50" EAST, 275.42 FEET TO THE WESTERLY SIDE OF WINFIELD AVENUE;

RUNNING THENCE ALONG SAID WESTERLY SIDE OF WINFIELD AVENUE IN A SOUTHERLY DIRECTION ON A CURVE TO THE LEFT HAVING A RADIUS OF 1,050 FEET A DISTANCE OF 27 FEET TO LANDS NOW OR FORMERLY OF ELIZABETH G. BROOKS;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS THE FOLLOWING COURSES AND DISTANCES:

NORTH 53° 18' 50" WEST, 283.35 FEET;
NORTH 63° 43' 29" WEST, 255.15 FEET;
NORTH 62° 49' 03" WEST, 13.22 FEET;
SOUTH 34° 31' 20" WEST 365.57 FEET TO LANDS KNOWN AS SUBDIVISION MAP OF WINFIELD ACRES COUNTY CLERK MAP NO. 16632;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS NORTH 73° 09' 20" WEST, 46.55 FEET;

NORTH 73° 45' 10" WEST, 287.23 FEET;
NORTH 73° 53' WEST 103.08 FEET TO LANDS NOW OR FORMERLY OF THE PRUDENTIAL INSURANCE COMPANY OF AMERICA;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS;

SOUTH 78° 49' WEST, 408.68 FEET;
SOUTH 79° 49' 20" WEST, 131.02 FEET;
SOUTH 80° 20' 10" WEST, 210.22 FEET;
NORTH 21° 57' WEST, 48.57 FEET TO LANDS NOW OR FORMERLY OF J. RUSSELL CLUNE;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS THE FOLLOWING COURSES AND DISTANCES:

NORTH 0° 47' 10" EAST, 25.97 FEET;
NORTH 10° 15' 50" WEST, 189.28 FEET;
NORTH 25° 54' 20" EAST, 13.09 FEET;

NORTH 82° WEST, 158.59 FEET TO THE EASTERLY SIDE OF MAMARONECK AVENUE;

RUNNING THENCE ALONG SAID EASTERLY SIDE OF MAMARONECK AVENUE NORTH 8° 03' 20" EAST, 435.37 FEET;

THENCE IN A NORTHERLY DIRECTION ON A CURVE TO THE LEFT HAVING A RADIUS OF 2,915 FEET A DISTANCE OF 250.14 FEET;

THENCE NORTH 3° 08' 20" EAST, 300 FEET TO THE POINT OR PLACE OF BEGINNING.

TOGETHER WITH RECIPROCAL EASEMENT OF INGRESS AND EGRESS SET FORTH IN THAT CERTAIN EASEMENT AGREEMENT MADE BY RICHARD M. HARMONAY, S. LEO HARMONAY AND PHILIP BECKER, AS TRUSTEES UNDER THE LAST WILL AND TESTAMENT OF WILLIAM L. HARMONAY, DECEASED, FOR THE BENEFIT OF S. LEO AND RICHARD M. HARMONAY, DATED NOVEMBER 9, 1978 AND RECORDED ON DECEMBER 26, 1978 IN LIBER 7526 CP 785 IN THE WESTCHESTER COUNTY CLERK'S OFFICE, DIVISION OF LAND RECORDS.

BARGAIN AND SALE DEED WITHOUT COVENANT AGAINST GRANTOR'S ACTS

500 MAMARONECK AVENUE L.P. and VIVIANE PARIS, LLC

TO

ESRT 500 MAMARONECK AVENUE, L.L.C.

Dated: as of October 1, 2013

Town & Village of Harrison

SECTION: 48
BLOCK: 482
LOT: 8
COUNTY OR TOWN: WESTCHESTER
STATE: NEW YORK

Record and Return To:

Clifford Chance US LLP
31 West 52nd Street
New York, New York 10019
Attn: Victoria Manthas, Esq.

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6916986.6
March 28, 2022

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PHASE I ENVIRONMENTAL SITE ASSESSMENT
POWERFLEX, LLC
500 MAMARONECK AVENUE, HARRISON, WESTCHESTER COUNTY, NEW YORK

Bergmann

280 E. Broad Street Suite 200
Rochester, NY 14604

585.232.5135
www.bergmannpc.com

Project Number: 014064.10

October 1, 2021

EXECUTIVE SUMMARY

Bergmann was retained by PowerFlex ("**Client**") to conduct a Phase I Environmental Site Assessment ("**ESA**") of a commercial property with an existing multi-unit building and adjacent parking lots. The parcel is located at 500 Mamaroneck Avenue, Town of Harrison, Westchester County, New York. This Phase I ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, USEPA EPA Part 312* (ASTM Standard Practice E1527-13).

This Phase I ESA represents a product of Bergmann's professional expertise and judgment in the environmental consulting industry. This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the following entities (each a "**User**"): Bergmann; Client; and their respective successors, assigns, affiliates.

Bergmann has performed this Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-13 and as outlined in an agreement with PowerFlex.

Property and Study Area

The area of the property parcel (Tax ID# 552801 0482.-8) encompasses 34.54-acres of commercial owned land ("**Property**") owned by Empire State Realty Trust, Inc. (ESRT) 500 Mamaroneck ("**Property Owner**"). The Property is located at 500 Mamaroneck Avenue in the Town of Harrison, Westchester County, New York. A map that depicts an outline of the Property can be found on Figure 2.

Client requested Bergmann to review the approximately eight (8) acres of the Property representing the portion of the Property to be used for the proposed development of a solar farm (the "**Study Area**"). This ESA is reviewing the Study Area. A map that depicts an outline of the Study Area can be found on Figure 2.

Recognized Environmental Conditions

A Recognized Environmental Condition ("**REC**"), as defined in the ASTM Standard, is an environmental condition where the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a future release to the environment. Bergmann has identified the following RECs during this Phase I ESA:

- Bergmann observed one (1) Cooling Tower on the Study Area. The Cooling Tower, Registration Number 10813, is used for Air Conditioning.
- Bergmann observed signage for one UST located on the Property. The UST is located on the southeast side of the building.
- The EDR reported one (1) UST at Schuenke Residence, located about 2,000 ft east of the Property. EDR and the NYSDEC Database did not have any details pertaining to this UST.
- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls.

Historical Recognized Environmental Conditions
A Historic Recognized Environmental Condition ("**HREC**"), as defined in the ASTM Standard, is an environmental condition that in the past would have been identified as a REC but has been adequately addressed and therefore no longer represents a HREC. Bergmann did not identify any HRECs during this Phase I ESA.

Controlled Recognized Environmental Conditions
A Controlled Recognized Environmental Condition ("**CREC**") as defined in the ASTM Standard is a Recognized Environmental Condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Bergmann identified one (1) CRECs during this Phase I ESA.

- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls.

Business Environmental Risk Considerations
Bergmann identified two (2) Business Environmental Risk ("**BER**") Considerations in association with this Phase I ESA.

- The planned development of the solar arrays is located in a parking lot with streetlights. Underground utilities are within the Study Area and should be considered before development.
- Adhering to requirements set forth by the Site Management Plan (SMP) and Associated Engineering Work Plan (EWP) for any utility or subgrade work.

Significant Data Gaps
Significant Data Gaps include missing or unattainable information that affects the ability of the environmental professional to identify conditions indicative of RECs on the Property. Bergmann has identified the following Data Gap during this ESA:

- A Freedom of Information Law Request (FOIL) response with respect to the Property has not been received from the NYSDOH and the Harrison Fire Department as of the date of this report.
- The EDR reported one (1) UST at Schuenke Residence, located about 2,000 ft east of the Property. EDR and the NYSDEC Database did not have any details pertaining to this UST. The lack of information from this EDR reported UST is a significant Data Gap.

Table of Critical Dates

Final Report Issuance Date	10/1/2021
Date of Interview of Past and Present Owners and Occupants Identified in Section 5.0	9/15/2021
Date of Recorded Environmental Lien and AUL Search	8/3/2021
Date of Visual Inspection of Subject and Adjoining Properties	8/2/2021
Earliest Date of Interviews, Record Reviews, and Inspections	8/2/2021
180-day Update Required (1)	1/29/2022
Report Viability Date (2)	8/2/2022

(1) 180-day Update required updates to the FOIL Requests, Interview, EDR Radius Report, and Site Reconnaissance.

(2) After the Report Viability Date, a new Phase I ESA would need to be conducted for the Property.

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Site Photographs taken during the Site Reconnaissance Visit.

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Appendix A: USGS Topographic Maps

Appendix B: Aerial Photographs

Appendix C: Phase I ESA Site Observation Notes and Field Site Map

Appendix D: Interview Questionnaire

Appendix E: Sanborn Fire Insurance Map Search

Appendix F: FOIL Request Letters and Response Package

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1.0 INTRODUCTION

This ESA was conducted in accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, USEPA EPA Part 312* (ASTM Standard Practice E1527-13).

The ESA represents a product of Bergmann's professional expertise and judgment in the environmental consulting industry. This report is certified to, can be relied upon by, and has been prepared for the exclusive use of following entities (each a "User"): Bergmann; Client; and their respective successors, assigns, affiliates, and subsidiaries. Bergmann acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, Bergmann makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

1.1 PROPERTY OVERVIEW

The Property (Tax ID# Tax # 552801 0482.-8) encompasses approximately 34.54 acres of a commercial property which includes an existing building and parking lot ("Property") owned by ESRT 500 Mamaroneck ("Property Owner"). The Property is located at 500 Mamaroneck Ave, Harrison ("Town"), New York in Westchester County ("County").

The Property is currently being utilized as an existing multi-unit commercial building with adjacent parking lots.

Address / Closest Address	Tax Parcel ID	Tax Property Acreage	Estimated Study Area Acreage
500 Mamaroneck Ave, Town of Harrison, Westchester County, New York	552801 0482.-8	34.54	8.00

Figure 1 – Site Location Map shows the Property on a Topographic Map.

Figure 2 – Property Boundary Map shows the Property boundary over satellite imagery.

Topographic Maps from USGS are presented in Appendix A – USGS Topographic Maps. Topographic maps indicate the geographic features of the surrounding area.

Aerial photographs of the Property and surrounding properties are presented in Appendix B – Aerial Photographs.

Bergmann has provided site observation notes and a field map that describe the Property in Appendix C – Phase I ESA Site Observation Notes and Field Site Map.

Photographs taken during the site reconnaissance visit are included in the Photographs Section of this report.

1.2 PURPOSE AND SCOPE OF SERVICES

The Phase I Environmental Site Assessment (ESA) practice, established by the American Society for Testing and Materials (ASTM) Standard Practice E1527-13 and the United States Environmental Protection Agency (USEPA) All Appropriate Inquiries (AAI) Final Rule 40 CFR Part 312, is intended to for use on a voluntary basis by parties who wish to assess the environmental condition of real estate taking into account commonly known and reasonably ascertainable information. The practice permits a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous

property owner, or bona fide prospective purchaser limitations (i.e., landowner liability protections or LLPs) on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability.

The scope of services performed by Bergmann is consistent with the general specifications outlined in ASTM E1527-13 and 40 CFR Part 312. In general, the scope of services for this project included:

- Review environmental database search to identify sites in federal and state records that are potentially characterized by environmental liabilities within the recommended ASTM search radius as described in Section 4;
- Review available historical aerial photographs, USGS topographic maps, tax maps, plat maps, atlases, local street directories, and Sanborn® Fire Insurance Maps to obtain information relative to the historical usage of the Property;
- Conduct a Property visit, interview appropriate Property personnel and adjacent property owners, and record pertinent observations related to potential environmental impacts at the Property;
- Contact government authorities, including the New York State Department of Environmental Conservation (NYSDEC) to obtain any records on file associated with the Property; local environmental and health departments, and local municipalities to obtain available Property-specific information, including legal descriptions, tax and title information, and locations of municipal services; and
- Prepare a report that provides a Property description, summary of records reviewed and observations noted of the environmental conditions at the Property, and an opinion as to the presence of potential Recognized Environmental Conditions (RECs).

This Phase I ESA is reviewing the Study Area.

1.3 SIGNIFICANT ASSUMPTIONS

Pursuant to ASTM Standard Practice E1527-13, Bergmann assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

While this report provides an overview of potential current and historical RECs, the ESA is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the Property may have occurred which could not be identified. The conclusions and recommendations regarding the RECs that are presented in this report are based on a Scope of Work authorized by the Client.

Freedom of Information Law (FOIL) requests were submitted to the following agencies:

- New York State Department of Environmental Conservation (NYSDEC)
- New York State Department of Health (NYSDOH)
- Westchester County Department of Environmental Facilities
- Harrison Fire Department
- Town of Harrison Town Clerk

At the time of this report, the requested information has not been received from the following agencies:

- New York State Department of Health (NYSDOH)
- Harrison Fire Department

If any additional information from the above-listed agencies is received, it will be forwarded in a Letter of Addendum and this report will be amended, should the information reveal additional and pertinent findings.

1.4 LIMITATIONS, DEVIATIONS, AND SPECIAL TERMS AND CONDITIONS

Relationship of the Purchase Rate to the Value of the Property

Bergmann was not provided with the lease rate or information related to the value of the Property or similar purchase rates, or if the Property was not contaminated. This Phase I ESA assumes that the User/prospective lessee will consider the relationship of the lease rate relative to the fair market value of the Property and consider whether or not the difference in lease rate and fair market value is due to the presence of releases or threatened releases of hazardous substances.

Due to changing environmental regulatory conditions and potential on-site or adjacent activities occurring after this assessment, the Client may not presume the continuing applicability to the Property of the conclusions in this assessment for more than 180 days after the report's issuance date, per ASTM Standard Practice E1527-13.

Limitations

No sampling or testing of media such as soil, soil gas, surface water and groundwater, suspect asbestos-containing material (ACM), radon, mold, or lead-based paint (LBP) was conducted during this Phase I ESA.

2.0 USER PROVIDED INFORMATION

The ASTM Standard defines a User as "*the party seeking to use Practice E1527-13 to complete an Environmental Site Assessment. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager*." The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of the ASTM Standard Practice E1527-13.

2.1 RECORDED LAND TITLE RECORDS

Bergmann was not provided a land title for review.

2.2 REASON FOR PERFORMING THIS PHASE I ESA

According to the Client/User, this ESA was conducted as part of environmental due diligence related to the future lease of the Study Area and development of a solar array ("Project") as well as a requirement of any lenders and/or investors of the Project.

3.0 PHYISCAL SETTING

PHYSICAL SETTING INFORMATION FOR THE PROPERTY AND SURROUNDING AREA		SOURCE
Topography (Refer to Figure 1 for an excerpt of the Topographic Map)		
Elevation	Approximately 100 feet above mean sea level	United States Geological Survey Division (U.S.G.S.)
Geographic Gradient	Unknown	
Nearest Surface Water	Mamaroneck Reservoir	
General Soil Characteristics:		
Soil Type	The soil type is gravelly loam	EDR Environmental Data Resources, Inc. (EDR) Report
Description	The soils are identified as well drained.	
Geology	Bedrock is unknown at the Property.	EDR Environmental Data Resources, Inc. (EDR) Report
Oil and Gas Wells		
Current Oil and Gas Wells on the Property	None known	EDR Environmental Data Resources, Inc. (EDR) Report
Historical Oil and Gas Wells on the Property	None known	

4.0 RECORDS REVIEW

Bergmann reviewed reasonably ascertainable records to identify obvious uses of the Property from the present, back to the Property's obvious first developed use, or back to 1940, whichever is earlier. Reasonably ascertainable records reviewed as part of this Phase I ESA documented the use of the Property back to 1897 – the earliest topographic map of the Property obtained by Bergmann.

4.1 AERIAL PHOTOGRAPHS, SANBORN MAPS AND TOPOGRAPHIC MAPS

Aerial Photographs:

Bergmann reviewed reasonably ascertainable aerial photographs for the Property. Aerial photographs from 2017, 2013, 2009, 2006, 1994, 1989, 1984, 1979, 1974, 1964, 1961, 1959, 1953, and 1941 were purchased from EDR Environmental Data Resources, Inc. (EDR). Based on the information gathered from these maps, indication of development on the Property was first observed in the 1953 historical photograph. The 1941 historical photograph does not indicate any development on the Property. The current building and parking area is first observed in the 1989 historical photograph. The neighboring building to the north, along Mamaroneck Avenue is first indicated in the 1974 photograph. The 1984 photograph illustrates development in both to the north and the south of the Property. Copies of relevant Historic Aerial Photographs are provided in Appendix B.

Sanborn Maps:

Bergmann reviewed reasonably ascertainable Sanborn Fire Insurance Maps for the Property. Sanborn Maps from 2003, 1996, 1995, 1994, 1993, 1992, 1990, 1988, 1963, 1950, 1942, 1934, and 1919 were purchased from EDR Environmental Data Resources, Inc. (EDR). A copy of the EDR Sanborn Fire Insurance Maps is provided as Appendix E – Sanborn Fire Insurance Map Search. The following documents the Sanborn map review:

1919 – 1950 Maps: Sanborn Maps from 1919 to 1950 indicate the property was split into two (2) tax parcels. These maps do not indicate any development on the Property during this time period. Mamaroneck Avenue is visible in the maps starting in 1919.

1963-1988 Maps: Sanborn Maps from 1963-1988 are incomplete maps.

1990-2003 Maps: The current building and parking area is observed in Sanborn Fire Insurance Maps from the1990 to 2003 maps.

Topographic Maps:

The Property is located on United States Geological Society (USGS) topographic maps for 2013, 1994, 1975, 1966, 1955, 1947, 1900, 1898, and 1897. Adjoining properties are also indicated on these maps. These maps indicate the geographic features of the Property and surrounding area. Based on the information gathered from these maps, indications of development on the Property was first observed in the 1955 topographic map. The 1994 is an Unmapped area. Copies of relevant Historic Topographic maps are provided in Appendix A.

4.2 LOCAL STREET DIRECTORIES

The Property is identified in the city directory records purchased from EDR. The following names are associated with the Property on 500 Mamaroneck Ave:

Year	Address	Owner
2017		
	500 Mamaroneck Avenue	500 Mamaroneck Acappella Software Inc Action Refund LLC Class Allover Limousine LLC Ameriprise Financial Barrington Chemical Corp BCM One Inc Bls Telecom Buckland Partners Case Paper Co Chemlube International Chiamulera Travel Cho Enterprises Inc Christophers Photography Studio Church Tavern Compo Micro Tech Cubism Branding Corp Empire State Realty First Gateside Garnet Capital Ibehavior Keevily Sperowhitelaw Inc Khseiden Law Lillian Vernon Marin Goodman LLP Mariner Investment Group Medicsight Medicsight Inc Michael J Amoroso Atty Oconnor Davies LLP Optis Management Inc Pasternak Baum & Co Inc Pasternak Wine Imports Pnkeevily Sperowhitelaw Inc Ins Pro Start Quest Lockstore Reliable E Commerce Incorporated Rich Worldwide Travel Inc Sara Lee Coffee & Tea Schulman Management Corp Sequoia Financial Partners LLC Sirlin Roger H & Assocs The Travel Lady Theodore J Brundage Atty Universal Remote Control Virtual Prepaid Net

Year	Address	Owner
		Voest Alpine Steel Prod Corp Voest Alpine Steel Products Corp Voest Alpine USA Corp Wasab Westchester Audio Video Westchester Plastic Surgery York International Agency LLC
2014		
	500 Mamaroneck Avenue	500 Mamaroneck Acappella Software Incorporated Allover Limousine LLC Ameriprise Financial Amoroso Michael J Atty Amoroso, Michael Barrington Chemical Corporation Benabdessadek, Badr Bls Telecom Brooks Jill L Attorneyatlaw Brundage Theodore J Atty Buckland Partners Case Paper Co Chemlube International Cho Enterprises Incorporated Church Tavern Advisors Compo Micro Tech Cubism Branding Corporation First Gateside Goldberg Jacob J Ibehavior Kaja, Omiyma Life Goals Asset Management LLC Marin Goodman LLP Mariner Investment Group Medicsight Medicsight Incorporated O'Connor Davies Pasternak Baum & Co Inc Pasternak Wine Imports Pnkeevily Spero Whitelaw Incorporate Quest Lockstore Reliable E Commerce Incorporated Rich Worldwide Travel Incorporated Sara Lee Coffee & Tea Schulman Management Corporation Schulman Realty Group Sirlin Roger H & Assocs Atty Travel Lady The

Year	Address	Owner
		Universal Remote Control Virtual Prepaid Net Voest Alpine Steel Product Corporati Voest Alpine Steel Products Corporat Wasab Westchester Audio Video
2010		
	500 Mamaroneck Avenue	500 Mamaroneck Ave LP Allover Limousine LLC American Express Financial Ameriprise Financial Amoroso Michael J Amoroso, Michael Barretts Insurance & Fncl Barrington Chemical Corp Bls Telecommunications B Rundage Theodore J Brundage, Theodore Cafe Five Hundred Case Paper Co Inc Cbg Investment Advisors Chemlube International Chiamulera Travel Cho Enterprises Inc Church Tavern Advisors Class Action Refund LLC Eliassen Group Falcoln Investors Focus Room Gallo, William C Garnet Capital Advisors Gf K Custom Research N America Goldberg Jacob J Hillcrest Fuel Svc I Behavior Inc Keevily Sperowhitelaw Inc Lakeside Travel Inc Lillian Vernon Corp Madison Consulting Group Markowitz & Piro Metric Tours Inc Millennium Travel & Cruises Noto Travel Svc Inc Oconnor Davies Munns Dobbins Oconnor, Davies M Pantaenius America Ltd Pappalardo & Tombini & Wolff

Year	Address	Owner
		Pasternak Baum & Co Inc Pasternak Wine Imports Perspectives Resources Inc Quantum Financial Strategies Reachcapital Management LP Reliable E Commerce Inc Rich Worldwide Travel Inc Roger H Sirlin & Assoc Roper Starch Worldwide Inc Select Coverage Corp Senior Care Development LLC Travel Lady Travelogue Limited Universal Remote Control Virtual, P N Voest Alpine Usa Corp Westchester Audio Video You, Jak H
2005		
	500 Mamaroneck Avenue	27 Harvard Court LLC 500 Mamaroneck Av LP Acappella Software Inc Agnos Group LLC American Express American Express Financial Advisors Arleo, Maryfrances Barrington Chemical Corp Barry, Christopher Campus Travel Inc Castle Oil Corp CBG Investment Advisors Inc Chemlube International Inc Cho Enterprises Inc Chock Full Onuts Corp Church Tavern Advisors LLC Compo Microtech Inc E Friedman Marketing Services Inc Goldberg Jacob J Greenbaum, Scott Hartz B2 E LLC I Behavior Inc Landry, Robert E Lanza, Frank C

Year	Address	Owner
		Legacy Construction Corp Life Goals Asset Management Co NOP World LLC NOP World United Busines Noto Travel Inc O'Connor, Davies M Opinion One Ltd Optis Management Inc Ortiz, R Rail Europe Inc Reachcapital Mgmt LLC Roper ASW LLC
2000		
	500 Mamaroneck Avenue	American Express Financial Advisors, Inc Canada Life Ins Company Of Ny Castle Oil Castle Oil Castle Oil Corporation Food City Markets Food City Mkts Incorporated Office Gelbard, Stuart R Hillcrest Fuel Service Metric Tours Incorporated Rich Worldwide Travel Incorporated Schulman Realty Group Skytel The Travel Lady

Year	Address	Owner
1995		
	500 Mamaroneck Avenue	American Express Financial Advisors, Inc American International Publishing, Inc Anson & Berger, Inc Canada Life Ins Co of New York Castle Oil Corp Food City Markets IBM Corp-Sales International Business Magazine Legacy Construction Corp Legacy Group Legacy Management Metric Tours, Inc Rel Consultancy Group Resource Evaluation, Inc Rich Worldwide Travel, Inc Schulman Realty Group
1992		
	500 Mamaroneck Avenue	American International Publishing Inc Castle Oil Corp Feinberg Anson & Berger Inc Food City Supermarkets IBM Corp IBM ROLM Systems IDS Financial Service International Business Magazine
1987		
	500 Mamaroneck Avenue	Harmonay Co

4.3 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Bergmann reviewed the United States Environmental Protection Agency (EPA) Envirofacts online database in lieu of a FOIL request. After a review of this database, no relevant environmental records were obtained from the Envirofacts database search with respect to the Property. The neighboring commercial building at 550 Mamaroneck Avenue as listed as RCRA program. More details on the RCRA listing and 550 Mamaroneck Ave. property is listed in Table 2.

4.4 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Bergmann submitted a FOIL request for environmental information regarding the Property to the NYSDEC via the Online FOIL request System. Bergmann received 22 files from the NYSDEC. The following documents are related to 500 Mamaroneck Avenue, Harrison, NY VCP Site No. V00213. The following letter, reports, and email correspondence can be located in Appendix F- FOIL Request Letters and Response Package

- 2005 Deed Declaration of Covenants and Restrictions
- Email exchange Re: DOH Concurrence- PRR 01/31/14
- Email exchange Re: Inspection Schedule, 2018
- Email exchange Re: PRR Extension, 2019
- Email exchange Re: Inspection Statue, 2018
- Email exchange Re: Change of Use request, 2019
- NYSDEC Fact Sheet: Proposed Amended Remedial Action Work Plan, March 2005
- Letter Correspondence Re: VCP Request for Fill Certification Plan, 2003
- Letter Correspondence Re: VCP Release and Covenant Not to Sue, 2006 & 2007
- Letter Correspondence Re: VCP Site Management Periodic Review 45-Day Reminder Notice, 2008
- Letter Correspondence Re: VCP 2008 PRR acceptance
- Letter Correspondence Re: VCP SM_PR 45-Day Reminder Notice, 2013
- Letter Correspondence Re: VCP PRR acceptance letter, 2014
- Letter Correspondence Re: VCP SM_PR 45-Day Reminder Notice, 2018
- Letter Correspondence Re: VCP PRR acceptance letter, 2019
- Letter Correspondence Re: RAWP Approval Notice, 2005
- 1998 Site Assessment Report
- 2000 Site Assessment Report
- 2002 Site Assessment Report
- 2002 Soil Management Plan
- 2014 VCP Site No. V00213 Periodic Review Report
- 2018 VCP Site No. V00213 Periodic Review Report

4.5 NEW YORK STATE DEPARTMENT OF HEALTH

Bergmann submitted a FOIL request for environmental information regarding the Property to the NYSDOH via the Online FOIL request System. As of the issuance date of this ESA, FOIL documentation has not been received back from NYSDOH. If Bergmann receives relevant documents from NYSDOH that reveal additional pertinent new findings relative to the Property, a Letter of Addendum to this report will be submitted to PowerFlex detailing the new findings.

4.6 TOWN OF HARRISON TOWN OFFICE

Bergmann submitted a request for environmental information regarding the Property to the Town of Harrison. Bergmann received responses from the Town of Harrison Planning Zoning & ARB, Town of Harrison Engineering Department, and Town of Harrison Building Department or Fire Prevention. After a diligent search of the files maintained by the Town of Harrison produced no responsive records. Responses from the Town of Harrison Town Office can be located in Appendix F- FOIL Request Letters and Response Package.

4.7 WESTCHESTER COUNTY RECORDS ACCESS OFFICE

Bergmann submitted a request for environmental information regarding the Property to the Westchester County Records Access Office. Bergmann received an email from the Department of Environmental Facilities Office on August 3, 2021. The email stated that after a diligent search of the files maintained by the County produced no responsive records. Response from the Westchester County Records Office can be located in Appendix F- FOIL Request Letters and Response Package.

4.8 HARRISON FIRE DEPARTMENT

Bergmann submitted a request for environmental information regarding the Property to the Harrison Fire Department. As of the issuance date of this ESA, FOIL documentation has not been received back from the Harrison Fire Department. If Bergmann receives relevant documents from the Harrison Fire Department that reveals new and pertinent findings relative to the Property, a Letter of Addendum to this report will be submitted to PowerFlex detailing the new findings.

4.9 UTILITIES

4.9.1 Municipal Water/Water Wells

The Property is developed as an existing and active commercial building with an adjacent parking lot. The Property has connection to municipal water.

4.9.2 Sanitary Sewer/Septic System

The Property is developed as an existing and active commercial building with an adjacent parking lot. The Property has connection to the municipal sewer system.

4.9.3 Heat Source

The Property is developed as an existing and active commercial building with an adjacent parking lot. The Property has connection to a heat source for the building.

4.10 PETROLEUM BULK STORAGE (PBS) SYSTEMS

4.10.1 Underground Storage Tanks (USTs)

No indications of Underground Storage Tanks (USTs) were observed at the Study Area at the time of the site reconnaissance. Bergmann observed UST signage stating no "Tank Access No Fill In" on the southeast side of the building on the Property. This UST was not within the proposed Study Area.

4.10.2 Aboveground Storage Tanks (ASTs)

No indications of Aboveground Storage Tanks (ASTs) were observed at the Study Area at the time of the site reconnaissance.

4.11 PREVIOUS ENVIRONMENTAL REPORTS

Bergmann has not obtained any previous environmental reports associated with this Property/ Study Area. The Property was reviewed using the New York State DECInfo Locator mapper. The Property was reviewed for existing permits/registrations, environmental cleanup sites, environmental monitoring, public involvement, and other

environmentally sensitive areas. The DEC Info Locator map indicated that the Property is located in the Town/Village of Harrison MS4 Community. The Property is also located on a remediation parcel and part of the Voluntary Cleanup Program (V00213 - classification C) due to contamination from metals and polycyclic aromatic hydrocarbons, remedial actions have successfully achieved soil cleanup objectives and residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants

4.12 ENVIRONMENTAL LIENS, ACTIVITY AND USE LIMITATIONS, AND GOVERNMENT INSTITUTIONAL AND ENGINEERING CONTROLS

Environmental Liens and/or Activity and Use Limitations were not identified for the Property, according to a search and documents provided by EDR. A copy of the Environmental Lien and AUL Search Report is included in Appendix H – Additional Documentation.

5.0 INTERVIEW

An ESA interview with Jeffrey Duartye, the current property Portfolio Manager for ESRT, was conducted on September 16, 2021. Mr. Duartye informed Bergmann of the following details regarding the Property:

- ESRT has owned the Property since 2007.
- The Property is used as an active farm for horses. The Project Site is under construction for solar array development.
- Mr. Duartye is unaware of any tanks, spills, or any events that may provide environmental hazards to the Project Site. Mr. Duartye is unaware of the property's involvement in the Voluntary Cleanup Program
- Mr. Duartye stated there is no Environmental Cleanup Lien on the property.
- Mr. Duartye stated there is a oil tank for the boiler located on the eastern portion of the building/

A copy of the completed Interview Questionnaire is included in Appendix D – Interview Questionnaire.

6.0 SUMMARY OF HISTORICAL USE

Standard and other historical sources were able to document that the Property was undeveloped land with no structures up until the early 1950's. The current building and parking area was developed in the late 1980's as a multi-unit commercial building. According to EDR, this property was added in the Volunteer Cleanup Program (VCP) in November 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and Polycyclic Aromatic Hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants.

7.0 PROPERTY RECONNAISSANCE

7.1 PROPERTY OBSERVATIONS

The following table summarizes the site observations during the August 3, 2021, site reconnaissance. Bergmann personal did not enter the building as this Phase I site reconnaissance only observed the exterior of the building and parking lot.

Category	Feature	Observed
Buildings (N/A, undeveloped property)	Elevators	N/A
	Air Compressors	N/A
	Incinerators	N/A
	Waste Treatment Systems	N/A
	Presses/Stamping Equipment	N/A
	Press Pits	N/A
	Hydraulic Lifts or In-ground hoists	N/A
	Paint Booth	N/A
	Plating Tanks	N/A
	Lathes, Screw Machines, etc.	N/A
Aboveground Chemical or Other Waste Storage or Waste Streams	Aboveground Storage Tanks (ASTs)	**Yes***
	Drums, Barrels and/or Containers > 5 gallons	No
	Chip Hoppers	No
	Hazardous or Petroleum Waste Streams	No
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground Storage Tanks	**Yes**
	Fuel Dispensers	No
	Sumps or Cisterns	No
	Dry Wells	No
	Oil/Water Separators	No
	Floor Drains, Trench Drains, etc.	No
	Pipeline Markers	No
Exterior Observations	Stressed Vegetation	No
	Stained Soil or Pavement	No
	Pad or Pole Mounted Transformers and/or Capacitors	No
	Soil Piles of Unknown Origin	No
	Exterior Dumpsters with Staining	No
	Leachate or Other Waste Seeps	No
	Trash, Debris, and/or Other Waste Materials	No
	Uncontrolled Dumping or Disposal Areas	No
	Surface Water Discoloration, Sheen or Free Product	No
	Strong, Pungent or Noxious Odors	No
	Storm water retention or detention ponds	No
	Pits, Ponds, Lagoons	No

*Bergmann personnel observed a cooling tower, registration number 10813 in the middle of the northern parking lot.

7.2 CURRENT OPERATIONS

The following site conditions were observed on August 3rd, 2021 (date of site reconnaissance visit):

The Property comprises approximately 34.54 acres of commercial land made up of a multi-unit commercial building with adjacent parking lots. The Study Area encompasses the parking lots on the property. At the time of the Site

reconnaissance, the Project Ste was an active parking lot with one (1) observed cooling tower located in the middle of the north parking lot.

8.0 ADJOINING PROPERTIES

The following paragraphs provide information about the adjoining properties obtained during the site reconnaissance and through review of reasonably ascertainable information.

North of the Property

Adjoining the Property to the north is a commercial building along Mamaroneck Avenue.

West of the Property

Adjoining the Property to the west is Mamaroneck Avenue and Mamaroneck River.

South of the Property

Adjoining the Property to the north is a commercial building along Mamaroneck Avenue.

East of the Property

Adjoining the Property to the east wooded land. Further east is private residential properties.

9.0 REGULATORY RECORDS REVIEW

Regulatory database searches were conducted for the Property as part of the scope of this Phase I ESA. The regulatory database search was conducted by EDR, a nationally recognized database search service, contracted by Bergmann.

The regulatory databases searched include the following:

- Environmental Data Resources Inc. (EDR) report dated August 2, 2021.
- Review of the US EPA web-based Envirofacts Database August 29, 2021.
- Review of the NYSDEC web-based environmental databases August 29, 2021.

The database searches were conducted at or beyond the radii established by the Federal All Appropriate Inquiries (AAI) Rule and/or ASTM E1527-13, which ever was greater, for all parts of the Property. The most recent EDR database reviewed for this Phase I ESA is included in Appendix G – EDR Database Search Report.

A summary of the major environmental databases searched is provided below. The dates of the environmental databases were the most recent releases as of August 2, 2021. Reviews were further supplemented with a search using the Federal USEPA Envirofacts web-based databases. The August 29, 2021 web-based Petroleum Bulk Storage (PBS)/ Chemical Bulk Storage (CBS)/ Major Oil Storage Facility (MOSF) registries and the NYSDEC Spills Event web-based database and findings are summarized below:

Table 1

Source Reviewed	Agency[1]	ASTM Minimum Search Distance (AMSD)	Recent Date of Record Update[3]
Federal NPL List	US EPA	1.0 miles	05/19/2021
Federal Proposed NPL	US EPA	1.0 miles	05/19/2021
Federal De-listed NPL List	US EPA	1.0 miles	05/19/2021
Federal CERCLIS List	US EPA	0.5 miles	06/17/2021
Federal CERCLIS-NFRAP List	US EPA	0.5 miles	06/17/2021
Federal RCRA CORRACTS List	US EPA	1.0 miles	05/19/2021
Federal RCRA Generators List	US EPA	0.25 miles	05/19/2021
Federal ERNS List	US EPA	Property	06/17/2021
CERCLA Lien	US EPA	Property	05/19/2021
Federal Institutional/Engineering Controls	USEPA	0.5 miles	05/19/2021
State/Tribal Inactive Hazardous Waste Sites	NYSDEC	0.5 miles	05/10/2021
Solid Waste Facility/Landfill Sites	NYSDEC	0.5 miles	07/28/2021
State/Tribal Registered Storage Tank Lists	NYSDEC	0.25 miles	05/10/2021
State/Tribal Leaking Storage Tanks	NYSDEC	0.5 miles	05/10/2021
State Spills Inventory	NYSDEC	0.5 miles	05/10/2021
State/Tribal VCP Sites	NYSDEC	0.5 miles	07/28/2021
State/Tribal Brownfield Sites	NYSDEC	0.5 miles	07/28/2021

1. US EPA – United States Environmental Protection Agency
2. NYSDEC – New York State Department of Environmental Conservation
3. Record updates are based on the database records reported in the Environmental Database Search conducted on August 2, 2021. The referenced dates are the most recent government releases as of the August 2021 database review.
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9.1 ENVIRONMENTAL LISTINGS

Bergmann's review of the referenced databases also considered the potential or likelihood of contamination from adjoining or nearby sites. To evaluate which of the adjoining and nearby sites identified in the regulatory database report present an environmental risk to the Property, Bergmann considered the following criteria:

- The type of database on which the site is identified.
- The topographic position of the identified site relative to the Property.
- The direction and distance of the identified site from the Property.
- Local soil conditions in the Property area.
- The known or inferred groundwater flow direction in the Property area.
- The status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the Property.

The Property was identified in the database review that may present recognized environmental concerns (RECs) to the Property. Adjoining or nearby properties, within a search radius of ¼ mile of the Property, were identified in the database review that may present recognized environmental concerns (RECs) to the Property.

Table 2

Identified Environmental Listings

Location	Address	Database(s)	Description & Report Summary
B2E BIOTECH LLC **Harts B2E LLC** **Empire State Realty Trust** **B2E Corp**	**500 Mamaroneck Ave**	**Cooling Tower** **SSTS** **FINDS** **UST** **ENG CONTROLS** **INST CONTROLS** **VCP** **BROWNFIELDS**	**Location: Onsite** **Cooling Tower** **Equipment Unique ID:** 10813 **Intended Use:** Air Conditioning **SSTS (Section Seven Tracking System)** **Registration Number:** 075318-NY-001 **Pre 2016 Registration Number:** 075318-NY-001 **EPA Product Registration:** 075318-00006 **Product Type:** End-Use Blend, Formulation, Concentrate **Registration Number:** 074032-NY-001 **Pre 2016 Registration Number:** 074032-NY-001 **EPA Product Registration:** 074032-00001 **Product Type:** Technical Material of Active Ingredient **Registration Number:** 069554-NY-001 **Pre 2016 Registration Number:** 069554-NY-001 **EPA Product Registration:** 069554-00003 **Product Type:** Technical Material or Active Ingredient. **Product Type:** Other Pesticides **FINDS** **Registration ID:** 110015741900 **UST** **ID:** 3-466042 **Status:** Active **ENG Controls** **Site Code:** 58831 **HW Code:** V00213 **Site Description: Land Use:** The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as

Location	Address	Database(s)	Description & Report Summary
			the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. A final engineering report was approved in April 2007. The site in now in Site Management. Remediation at the site is complete. **Health Problem:** Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas. **INST Control** **Site Code:** 58831 **Control Name:** Deed Restriction **Control Name:** Soil Management Plan **Control Name:** Groundwater Use Restriction **HW Code:** V00213 **VCP** **Site Code:** 58831 **HW Code:** V00213 **Record Added:** 11/30/2000 **BROWNFIELDS** **Site Code:** 58430 **HW Code:** 58430 **SWIS:** 6028 **Site Description:** BCP application denied. See Site #V00213 **SPILLS** **Spill Number:** 9708600 **Closed Date:** 10/23/1997 **Spill Date:** 10/22/1997

Location	Address	Database(s)	Description & Report Summary
			Details: leaking 60-ton chill water system. Clean up crew on scene. **All Materials** **Site ID:** 118813 **Material ID:** 330562
Broadway Real Estate Services LLC **Saxon Wood Corporate Center**	**550 Mamaroneck Ave**	**NY SPILLS** **RCRA-VSQG** **FINDS** **ECHO** **MANIFEST** **UST**	**Location: Onsite** **SPILLS** **Spill Number:** 1602312 **Closed Date:** 06/07/2016 **Spill Date:** 06/06/2016 **Details:** Loss of 1-2 gals. of gasoline from MVA to pavement. Nearby drain not impacted but is trib. to City of White Plains reservoir. Boom placed around drain, but not impacted. FD cleaned up pavement. **All Materials** **Site ID:** 528713 **Material ID:** 2282405 **RCRA-VSQG** **EPA ID:** NY0000878637 **HW Summary:** Ignitable Waste **FINDS** **Registration ID:** 110004320306 **ECHO** **Envid:** 1004755932 **Manifest** **EPA ID:** NY0000878637 **UST** **ID:** 3-600073 **Status:** Active **Tank ID/ Status:** 1/ Closed- In place **Tank ID/ Status:** 1 (550) / In-Service **Tank ID/ Status:** 2/ Closed- In place **Tank ID/ Status:** 2 (600) / In-Service
Clune PC	**480 Mamaroneck Ave**	**NY SPILLS**	**Location:** **SPILLS** **Spill Number:** 1404645 **Closed Date:** 07/27/2015 **Spill Date:** 07/30/2014 **Details:** 550 tank removal

Location	Address	Database(s)	Description & Report Summary
			Spill Number: 1404646 **Closed Date:** 07/27/2015 **Spill Date:** 07/30/2014 **Details:** 1,000 gallon tank removal
Residence	**41 Windfield Ave**	**NY SPILLS**	**Location:** **SPILLS** **Spill Number:** 9609740 **Closed Date:** 01/10/1997 **Spill Date:** 11/04/1996 **Details:** Caller stated that they were called for a spill at residence. spill occurred from bad line coming from tank, inside.
Sueann Miles	**25 Windfield Ave**	**LTANKS**	**Location: 185 ft. east of property** **LTANKs** **Spill Number:** 0002062 **Closed Date:** 10/16/2000 **Spill Date:** 05/18/2000 **Details:** Tank test failure
Con Edison	**550 Mamaroneck Ave & Union Ave**	**RCRA Nongen / NLR** **MANIFEST**	**Location: 293 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004210241 **NY MANIFEST** **EPA ID:** NYP004210241
NYSDOT BIN 5523361	**RTE 907 W Over Mamaroneck**	**RCRA Nongen / NLR** **MANIFEST**	**Location: 293 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004210241 **NY MANIFEST** **EPA ID:** NYP004210241
Con Edison	**7 Glen Drive**	**RCRA Nongen / NLR** **FINDS** **ECHO** **MANIFEST**	**Location: 400 ft. south of property** **RCRA Nongen / NLR** **EPA ID:** NYP004794087 **FINDS** **Registry ID:** 110069689279 **ECHO** **Envid:**1019904129

Location	Address	Database(s)	Description & Report Summary
			Registry ID: 110069689279 **NY MANIFEST** **EPA ID:** NYP004210241 **EPA ID:** NYP004794087 **NJ MANIFEST** **EPA ID:** NYP004794087
Con Edison	**240 Union Ave**	**MANIFEST**	**Location: 458 ft. north of property** **NY MANIFEST** **EPA ID:** NYP004658878
Con Edison	**270 Union Ave** **Front of MH10239**	**RCRA Nongen/ NLR** **FINDS** **ECHO**	**Location: 464 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004814469 **FINDS** **Registry ID:** 110069695556 **ECHO** **Envid:**1019905863 **Registry ID:** 110069689279
Con Edison	**270 Union Ave** **Front of MH9468**	**RCRA Nongen/ NLR**	**Location: 464 ft. north of property** **RCRA Nongen / NLR** **EPA ID:** NYP004814477
Con Edison	**270 Union Ave** **Front of MH10239**	**RCRA Nongen/ NLR**	**Location: 465 ft. north of property** **NJ MANIFEST** **EPA ID:** NYP004814469
Residence	**19 Winfield Ave**	**LTANKS**	**Location: 490 ft. east of property** **LTANKs** **Spill Number:** 9812181 **Closed Date:** 02/18/1999 **Spill Date:** 12/32/1998 **Details:** will recommend isolation test-oil co will prepare tank to be re-tested.
Newman	**598 West Street**	**NY SPILL**	**Location: 491 ft. east of property** **SPILLS** **Spill Number:** 2008906 **Closed Date:** 03/02/2021* **Spill Date:** 01/21/2021 **Details:** Removal of two 275-gal AST at a residence in a very small crawl space.

Location	Address	Database(s)	Description & Report Summary
			Cut open the crawl space to access and found that one of the tanks had a hole. The tanks are sitting on concrete within the crawl space and the concrete was stained. He states they are scheduled to perform a soil boring through the floor on Monday, sample result will be forwarded to DEC. *Closed date was reported on the NYSDEC Spill Incidents Database Search
Rubin – TTF	**244 Union Ave**	**LTANKS**	**Location: 492 ft. north of property** **LTANKs** **Spill Number:** 1405584 **Closed Date:** 12/22/2014 **Spill Date:** 08/21/2014 **Details:** failed tank
McSorely Home	**236 Union Ave**	**NY SPILL**	**Location: 500 ft north of property** **SPILLS** **Spill Number:** 0612679 **Closed Date:** 01/14/2008 **Spill Date:** 02/22/2007 **Details:** 550-Gallon tank had holes and contaminated soil.
Stella Residence	**252 Union Ave**	**NY SPILL**	**Location: 500 ft north of property** **SPILLS** **Spill Number:** 0409812 **Closed Date:** 04/02/2005 **Spill Date:** 12/02/2004 **Details:** Return line leaked and has been repaired.
Lombardi Residence	**599 West Street**	**LTANKS**	**Location: 512 ft east of property** **SPILLS** **Spill Number:** 0602291 **Closed Date:** 07/30/2006 **Spill Date:** 05/31/2006 **Details:** 550-gallon tank had holes.
Schuenke Residence	**580 West Street**	**UST**	**Location: 512 ft east of property** **No information found**
Marshall Residence	**585 West Street**	**LTANKS**	**Location: 512 ft east of property** **SPILLS** **Spill Number:** 9904481 **Closed Date:** 09/02/1999 **Spill Date:** 07/15/1999

Location	Address	Database(s)	Description & Report Summary
			Details: Tested for real estate transaction. An isolation retest will be done within 10 days

The full list of database review is listed in Appendix G-EDR Database Search Report.

10.0 BUSINESS ENVIRONMENTAL RISK CONSIDERATIONS

Although not required by the ASTM E1527-13 standard, based on standard industry practices, Bergmann has attempted to identify Business Environmental Risk (BER) considerations for the Property.

10.1 ASBESTOS CONTAINING BUILDING MATERIALS

An asbestos containing materials (ACM) survey was not conducted as part of this ESA. Development is not planned to occur on or within the building, therefore, the potential for ACM is not a BER.

10.2 LEAD BASED PAINT

A Lead-Based paint (LBP) survey was not conducted as part of this ESA. Development is not planned to occur on or within the building, therefore, the potential for LBP is not a BER.

10.3 INDOOR AIR QUALITY

There are no buildings contemplated with the construction of the Project, therefore, indoor air quality on the Property in future buildings is not considered a BER.

10.4 LEAD IN DRINKING WATER

Lead in drinking water is not suspected on the Property at this time. The potential for lead in drinking water is not considered a BER.

10.5 ENVIRONMENTAL REGULATORY COMPLIANCE

Bergmann did not identify any documentation or observe any items related to violations of environmental regulations at the Property.

10.6 VAPOR ENCROACHMENT

A Vapor Encroachment Survey (VES) was not conducted as part of this Phase I ESA. There is evidence of the potential for soil vapor encroachment and vapor intrusion into future buildings, if constructed at the Property based on the Site Management Plan and history of the site use.

10.7 CULTURAL, HISTORIC, AND ARCHEOLOGICAL RESOURCES

The National Register of Historic Places (NRHP) was reviewed for properties within Westchester, New York. No structures, historic properties, or other features of historic significance listed on the National Register were determined to be located within the vicinity of the Property Boundary. A desktop review of the New York State Cultural Resource Information System (CRIS) was also conducted. The CRIS map indicated that the Study Area is not within a mapped archeologically sensitive area. A The Project is located within a mapped archeologically sensitive area.

10.8 WETLANDS AND SURFACE WATERS

The United States Fish & Wildlife Service (USFWS) National Wetlands Inventory (NWI) Map for Westchester County, New York was reviewed. The USFWS NWI identifies one (1) Freshwater Emergent Wetland feature (PEM1E) mapped within the Property Boundary. NYSDEC Environmental Resource Mapper (ERM) was also reviewed. The ERM shows that the Property is not located within the "rare plants and animals" layer, however there are two potential NYS Protected endangered species not displayed on the map, the Coast Violet and the Hyssop-skullcap last documented in 1937 and 1936, respectively. No portion of the Property is in the "significant natural communities' layer.

The NYSDEC Freshwater Wetland (FWW) Map was also reviewed. No NYSDEC FWW are mapped on the Property. The New York State Water Quality Classification mapping was reviewed and no (1) streams were mapped within the Property Boundary

10.9 THREATENED, ENDANGERED, AND OTHER PROTECTED SPECIES

The NYNHP rare species distribution model was reviewed to determine the number of species predicted to have suitable habitat within a given location. Based on this model, there are no endangered species at this location. A preliminary review of the NYSDEC Environmental Resource Mapper (ERM) shows that the Property is not located within the "rare plants and animals" layer, however there are two potential NYS Protected endangered species not displayed on the map, the Coast Violet and the Hyssop-skullcap last documented in 1937 and 1936, respectively. No portion of the Property is in the "significant natural communities' layer.

The USFWS Information, Planning, and Conservation (IPaC) planning tool was used to obtain a list of threatened, endangered, and proposed species, designated critical habitat, and candidate species that may occur within the Property Boundary or that may be affected by the Project. The resource list identifies no endangered species that may potentially occur within the Property Boundary. The resource lists also identify 26 migratory birds within the project area.

10.10 WILDLIFE SANCTUARIES AND OTHER NATURAL RESOURCE PRESERVES

No wildlife sanctuaries or other natural resource preserves are present on or near the Property.

10.11 BIOLOGICAL AGENTS

No biological agents were observed during the site reconnaissance on the Property.

10.12 MOLD

No mold was observed during the site reconnaissance as no buildings exist on the Property.

10.13 POTENTIAL PCB AND MERCURY CONTAINING MATERIALS

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the United States Environmental Protection Agency (U.S. EPA). PCBs in electrical equipment are controlled by U.S. EPA regulations 40 CFR, Part 761. The ASTM Standard requires identification of electrical or hydraulic equipment, not including light ballasts, that are known to contain PCBs or likely to contain PCBs.

Bergmann did not observe any pole-mounted transformers during the site reconnaissance.

10.14 POTENTIAL CFC-CONTAINING EQUIPMENT

Bergmann did not observe a potential for CFC-containing equipment on the Property during the site reconnaissance.

10.15 TRITIUM EXIT SIGNAGE

No Tritium Exit Signs were documented or observed during the site reconnaissance visit as the Study Area does not include the existing building on the Property.

10.16 POTENTIAL IMPACTS/IMPLICATIONS OF ENVIRONMENTAL ISSUES FOR PROPERTY DEVELOPMENT AND CONSTRUCTION

According to historical documentation, this property was added in the Volunteer Cleanup Program (VCP) in November 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons (PAHs) present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants.

11.0 FINDINGS, OPINIONS AND CONCLUSIONS

11.1 SIGNIFICANT DATA GAPS

The following significant data gaps were identified during this Phase I ESA:

- A Freedom of Information Law Request (FOIL) response with respect to the Property has not been received from the NYSDOH and the Harrison Fire Department as of the date of this report.
- The EDR reported one (1) UST at Schuenke Residence, located about 2,000 ft east of the Property. EDR and the NYSDEC Database did not have any details pertaining to this UST. The lack of information from this EDR reported UST is a significant Data Gap.

11.2 RECOGNIZED ENVIRONMENTAL CONDITIONS (RECS)

RECs were identified on the Property during this Phase I ESA:

- Bergmann observed one (1) Cooling Tower on the Study Area. The Cooling Tower, Registration Number 10813, is used for Air Conditioning.
- Bergmann observed signage for one UST located on the Property. The UST is located on the southeast side of the building.
- The EDR reported one (1) UST at Schuenke Residence, located about 2,000 ft east of the Property. EDR and the NYSDEC Database did not have any details pertaining to this UST.
- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and PAHs present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under institutional controls and engineering controls.

11.3 CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS (CREC)

One (1) CRECs was identified on the Property during this Phase I ESA:

- The Property was added in the Volunteer Cleanup Program (VCP) in 2000. The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and PAHs present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. The Property is under Institutional controls and engineering controls.

11.4 HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS (HRECS)

No HRECs were identified on the Property during this Phase I ESA.

11.5 BUSINESS ENVIRONMENTAL RISK CONSIDERATIONS

Two (2) BERs were identified in association with this Phase I ESA:

- The planned development of the solar arrays is located in a parking lot with streetlights. Underground utilities are within the Study Area and should be considered before development.
- Adhering to requirements set forth by the Site Management Plan (SMP) and Associated Engineering Work Plan (EWP) for any utility or subgrade work.

11.6 STATEMENT OF COMPLIANCE

We have performed this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice ASTM E1527-13 of the Property located at 500 Mamaroneck Avenue, Harrison, Westchester County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. This assessment has revealed Recognized Environmental Conditions connected with the Property.

This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the following entities: Bergmann (as the PowerFlex consultant); PowerFlex; and their respective successors, assigns, affiliates, and subsidiaries. The named entities above can convey this report to an affiliate, related entity, subsidiary, lender, title insurer, regulatory/city agency or current property owner(s) and their agents, but further dissemination to other parties or persons requires prior written approval from Bergmann.

12.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. We have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

Skylar J. Francis
Bergmann Assistant Project Manager
Phase I ESA Author/Site Reconnaissance

Ariadna Cheremeteff
Bergmann Environmental Discipline Leader
Phase I ESA QA/QC Reviewer

FIGURES

PowerFlex
500 Mamaroneck Ave.

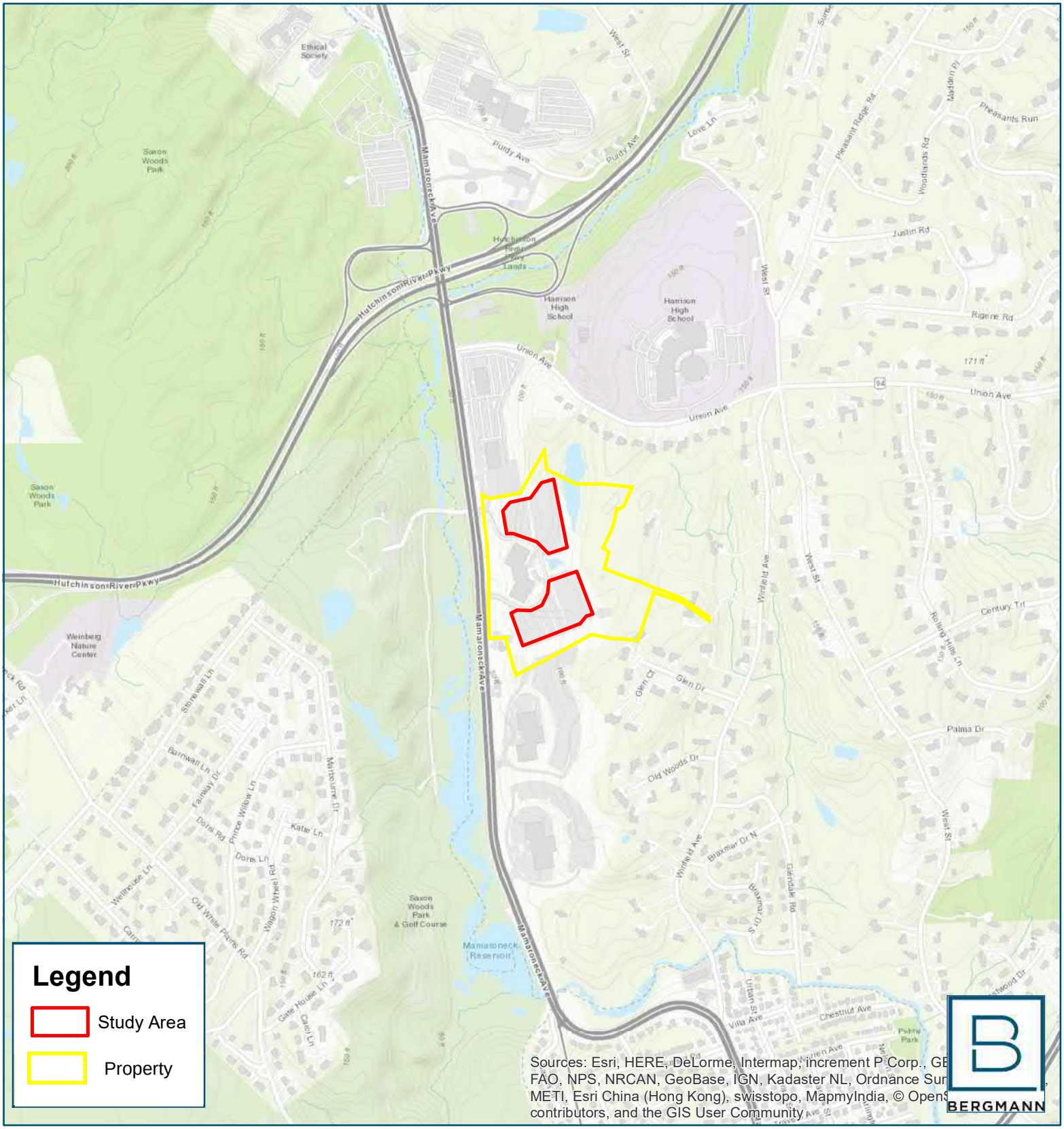
SITE LOCATION MAP

Fig. 1

1,000 Feet

N

Town of Harrison, Westchester County, New York



PowerFlex
500 Mamaroneck Ave.

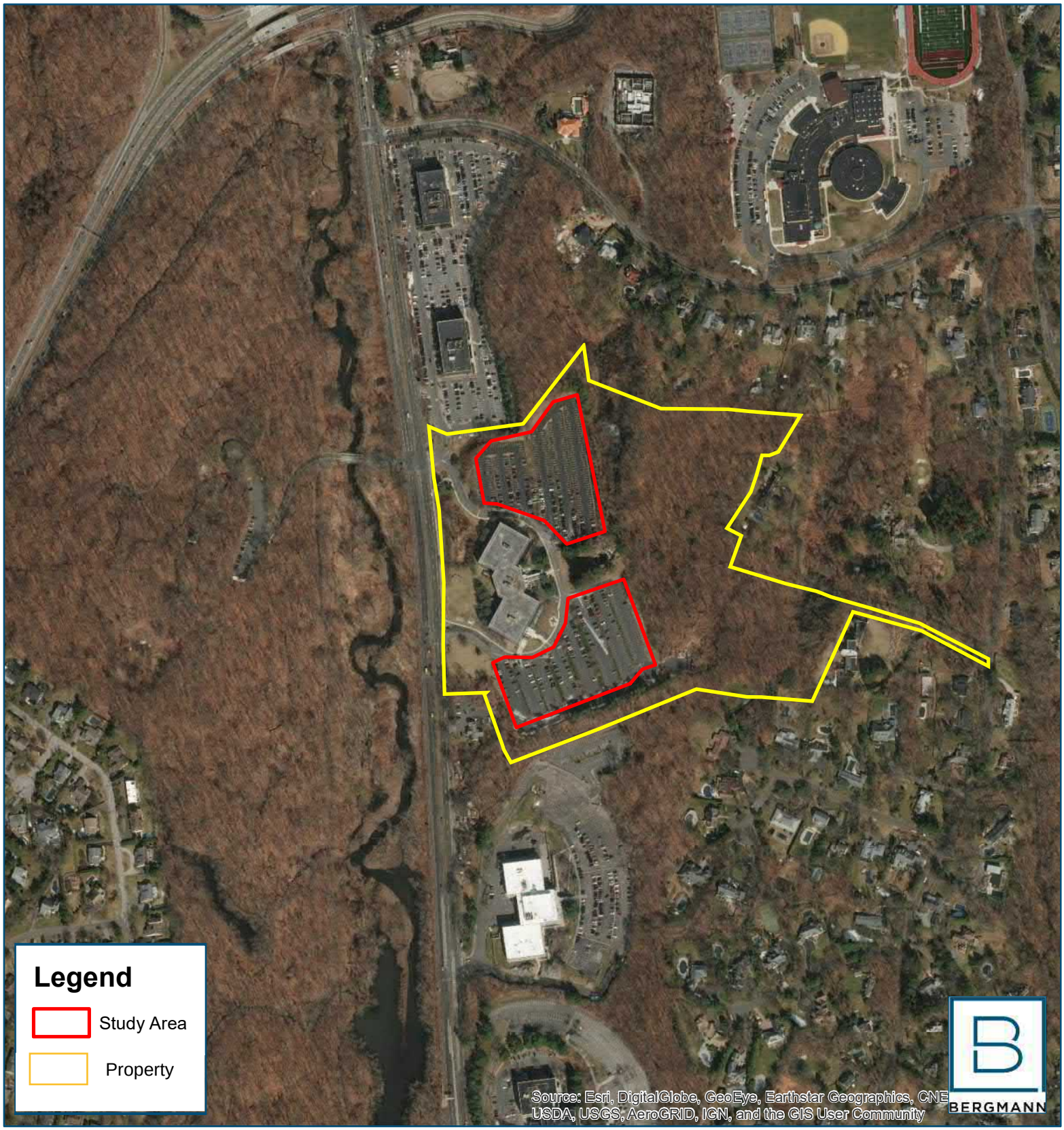
AERIAL IMAGERY MAP

Fig. 2

500 Feet

N

Town of Harrison, Westchester County, New York



PHOTOGRAPHS

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 1: Photo taken in north parking lot facing southeast.

Photograph 2: Photo taken in north parking lot facing east.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 3: Photo taken in north parking lot facing north.

Photograph 4: Facing Mamaroneck Avenue.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 5: Electrical unit off Study Area but on property along Mamaroneck Ave.

Photograph 6: North parking lot facing north.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 7: Cooling Tower located in the middle of the north parking lot.

Photograph 8: Electrical unit associated with the Cooling Tower.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 9: Information and Caution postings listed on the Cooling Tower.

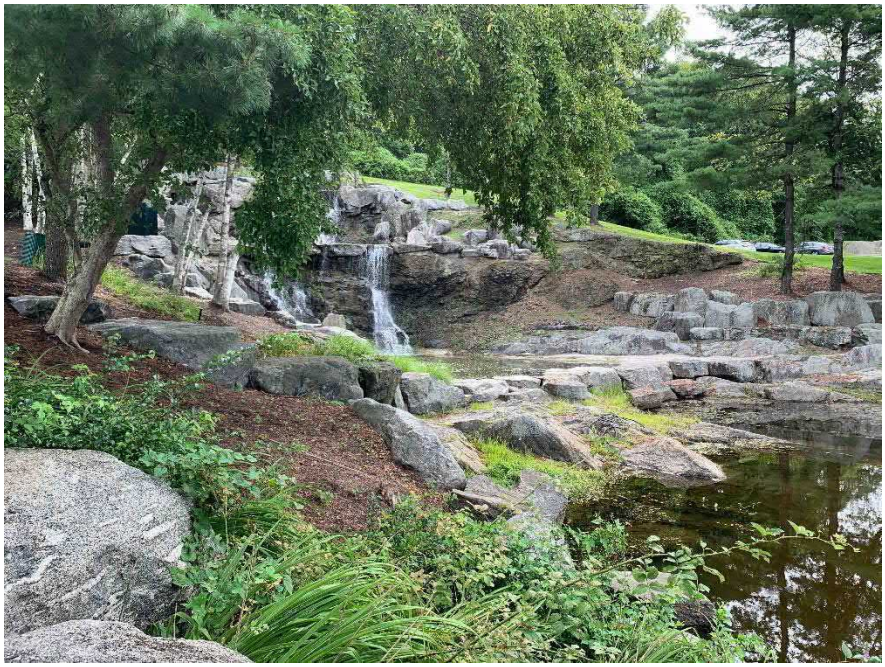
Photograph 10: Facing north on northern parking lot.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 11: View of Study Area.

Photograph 12: Pond/ waterfall located in the middle of the property between the north and south parking lot.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs



Photograph 13: Pond/ waterfall located in the middle of the property between the north and south parking lot.

Photograph 14: Location of UST. Located on the southeast side of the building off the Study Area.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 15: Location of UST. Located on the southeast side of the building off the Study Area.

Photograph 16: on Property facing northwest access road to 500 Mamaroneck Ave.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 17: Off Study. Location of waste containers (trash and recyclables) for 500 Mamaroneck.

Photograph 18: Off Study. Location of waste containers (trash and recyclables) for 500 Mamaroneck.

500 Mamaroneck Ave - Phase I ESA Updated
Site Visit Photographs

Photograph 19: Off Study. Location of storage units. Unknown if storage units were empty at the time of the Site Reconnaissance.

Photograph 20: Exterior of building at 500 Mamaroneck Ave.

APPENDIX A:

USGS TOPOGRAPHIC MAPS

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6602268.4

August 02, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/02/21

Site Name:	Client Name:
500 Mamaroneck Ave	Bergmann Associates
500 Mamaroneck Ave	280 East Broad Street, Suite 200
Harrison, NY 10528	Rochester, NY 14604
EDR Inquiry # 6602268.4	Contact: Skylar Francis

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Bergmann Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	14064.10	**Latitude:**	40.977288 40° 58' 38" North
Project:	Mamaroneck Av	**Longitude:**	-73.740565 -73° 44' 26" West
		UTM Zone:	Zone 18 North
		UTM X Meters:	605957.97
		UTM Y Meters:	4536999.55
		Elevation:	133.85' above sea level

Maps Provided:

2013	1897
1994, 1995	
1975, 1979	
1966, 1967	
1955, 1956	
1947	
1900	
1898	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

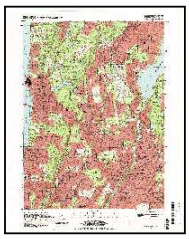
2013 Source Sheets

Mount Vernon
2013
7.5-minute, 24000

Mamaroneck
2013
7.5-minute, 24000

White Plains
2013
7.5-minute, 24000

1994, 1995 Source Sheets

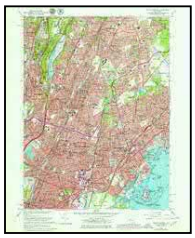


WHITE PLAINS
1994
7.5-minute, 24000

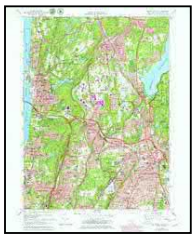
Mount Vernon
1995
7.5-minute, 24000
Aerial Photo Revised 1977

1975, 1979 Source Sheets

Mamaroneck
1975
7.5-minute, 24000
Aerial Photo Revised 1966



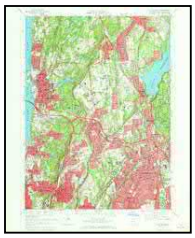
Mount Vernon
1979
7.5-minute, 24000
Aerial Photo Revised 1977



White Plains
1979
7.5-minute, 24000
Aerial Photo Revised 1977

1966, 1967 Source Sheets

Mount Vernon
1966
7.5-minute, 24000
Aerial Photo Revised 1966



White Plains
1967
7.5-minute, 24000
Aerial Photo Revised 1965

Mamaroneck
1967
7.5-minute, 24000
Aerial Photo Revised 1966

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1955, 1956 Source Sheets

Mamaroneck
1955
7.5-minute, 24000
Aerial Photo Revised 1941

Mount Vernon
1956
7.5-minute, 24000
Aerial Photo Revised 1954

1947 Source Sheets

White Plains
1947
7.5-minute, 24000
Aerial Photo Revised 1940

Mamaroneck
1947
7.5-minute, 24000
Aerial Photo Revised 1941

Mt Vernon
1947
7.5-minute, 24000
Aerial Photo Revised 1941

1900 Source Sheets

Harlem
1900
15-minute, 62500

Oyster Bay
1900
15-minute, 62500

1898 Source Sheets

Oyster Bay
1898
15-minute, 62500

Harlem
1898
15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

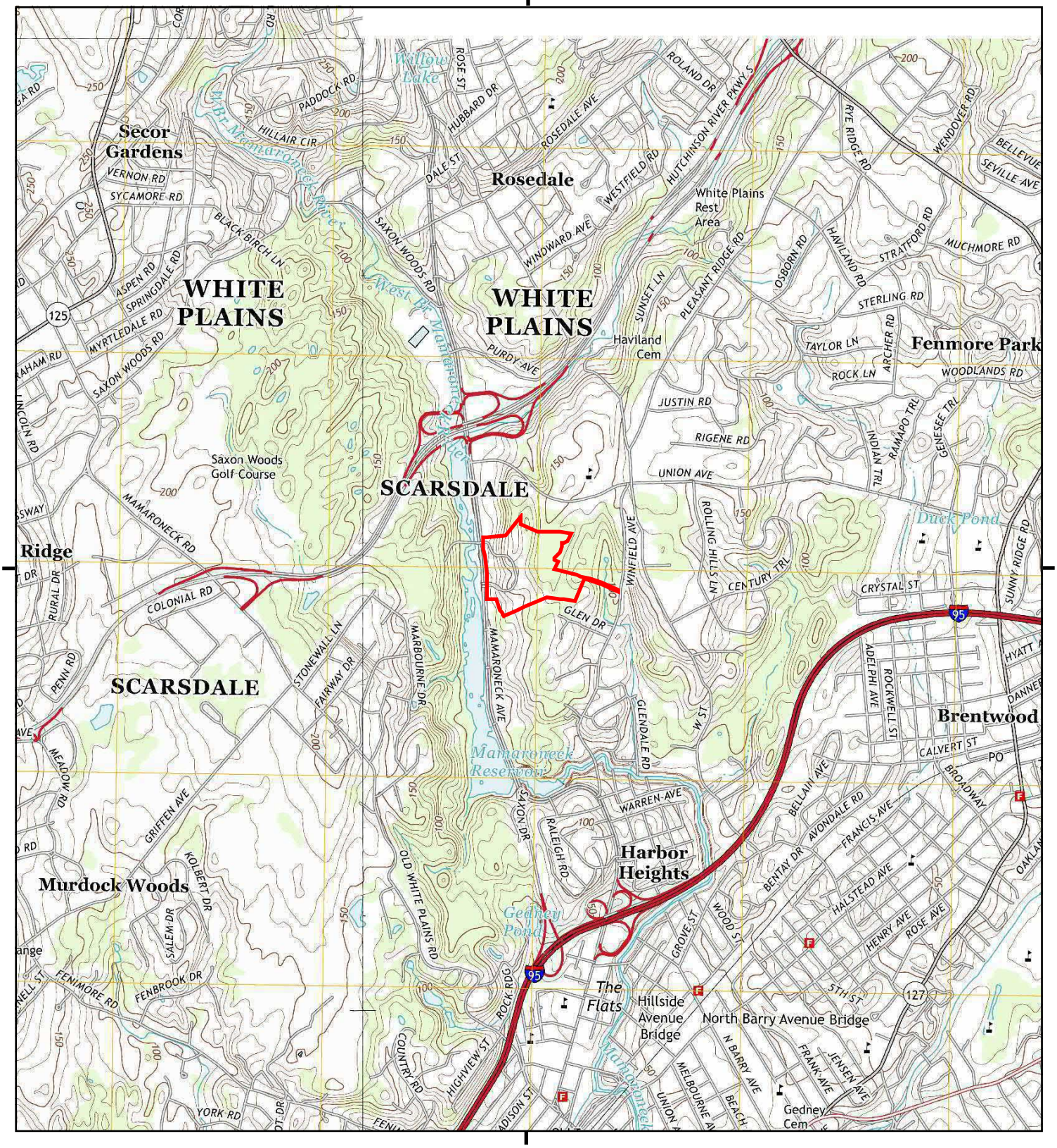
1897 Source Sheets

Harlem
1897
15-minute, 62500

Oyster Bay
1897
15-minute, 62500

Historical Topo Map

2013



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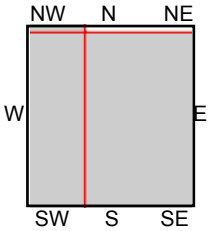


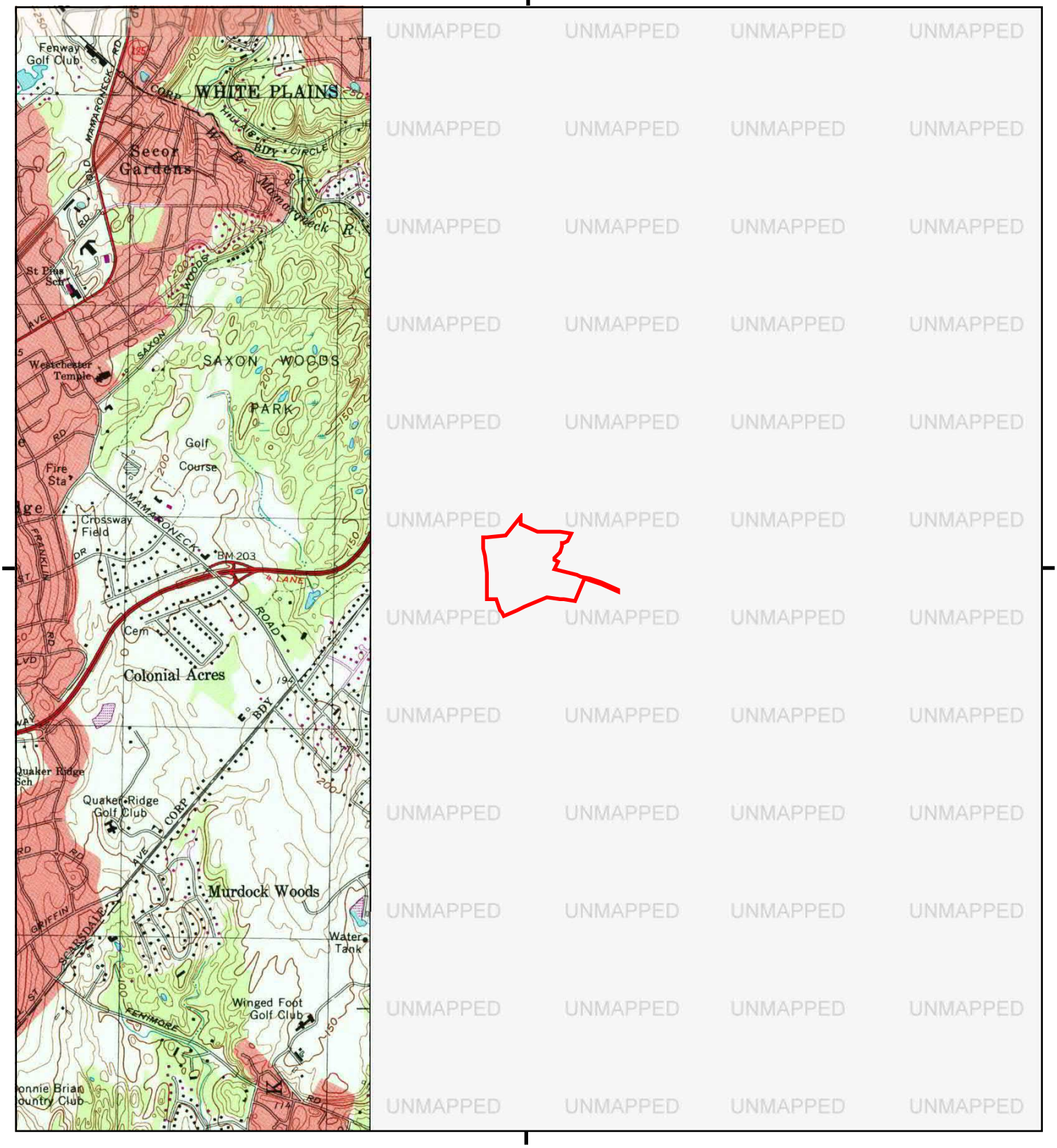
TP, Mamaroneck, 2013, 7.5-minute
SW, Mount Vernon, 2013, 7.5-minute
NW, White Plains, 2013, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1994, 1995



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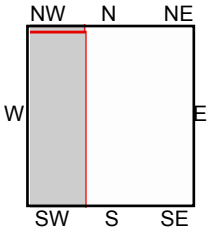


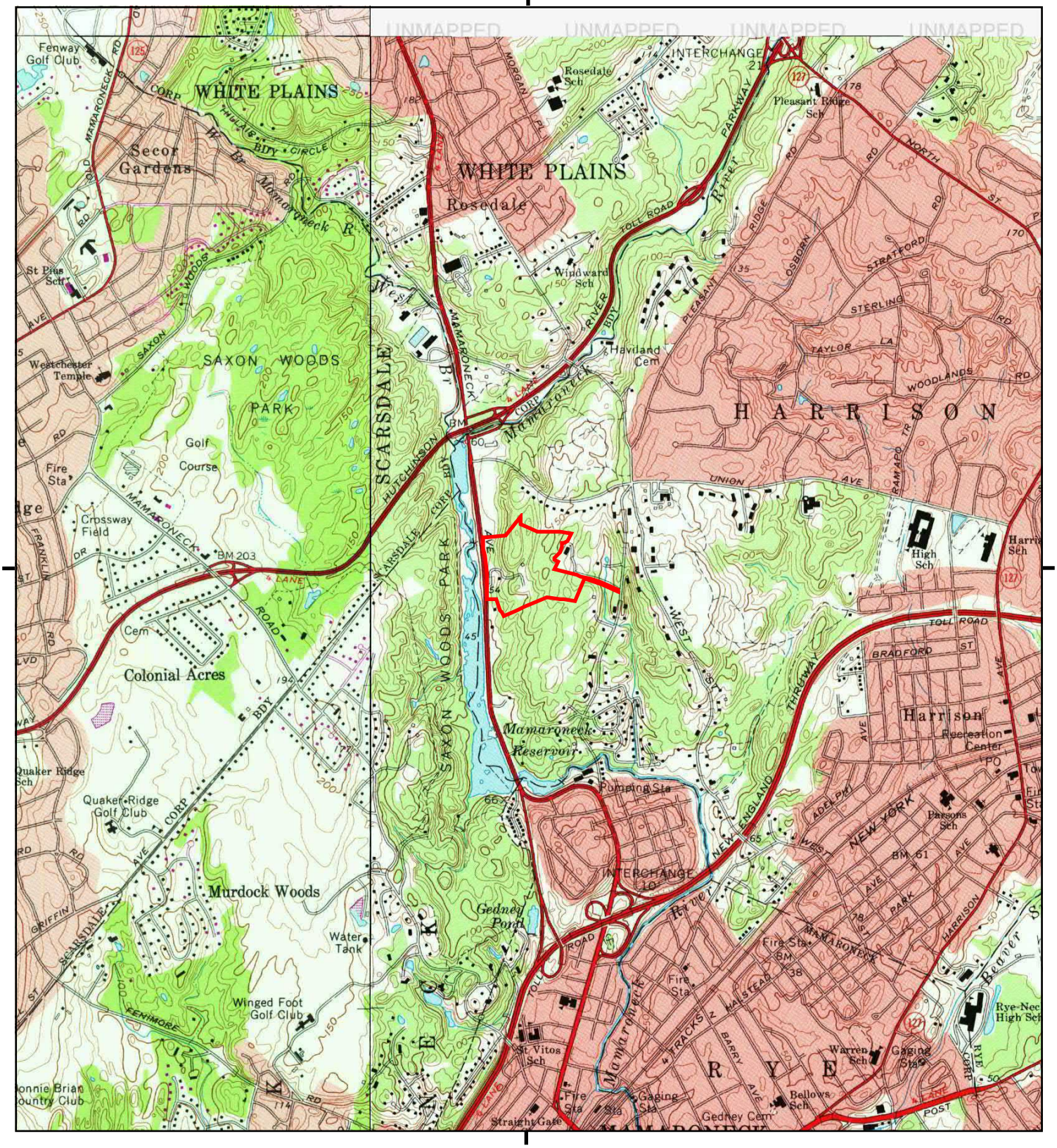
SW, Mount Vernon, 1995, 7.5-minute
NW, WHITE PLAINS, 1994, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1975, 1979



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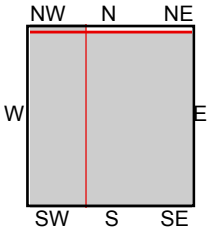


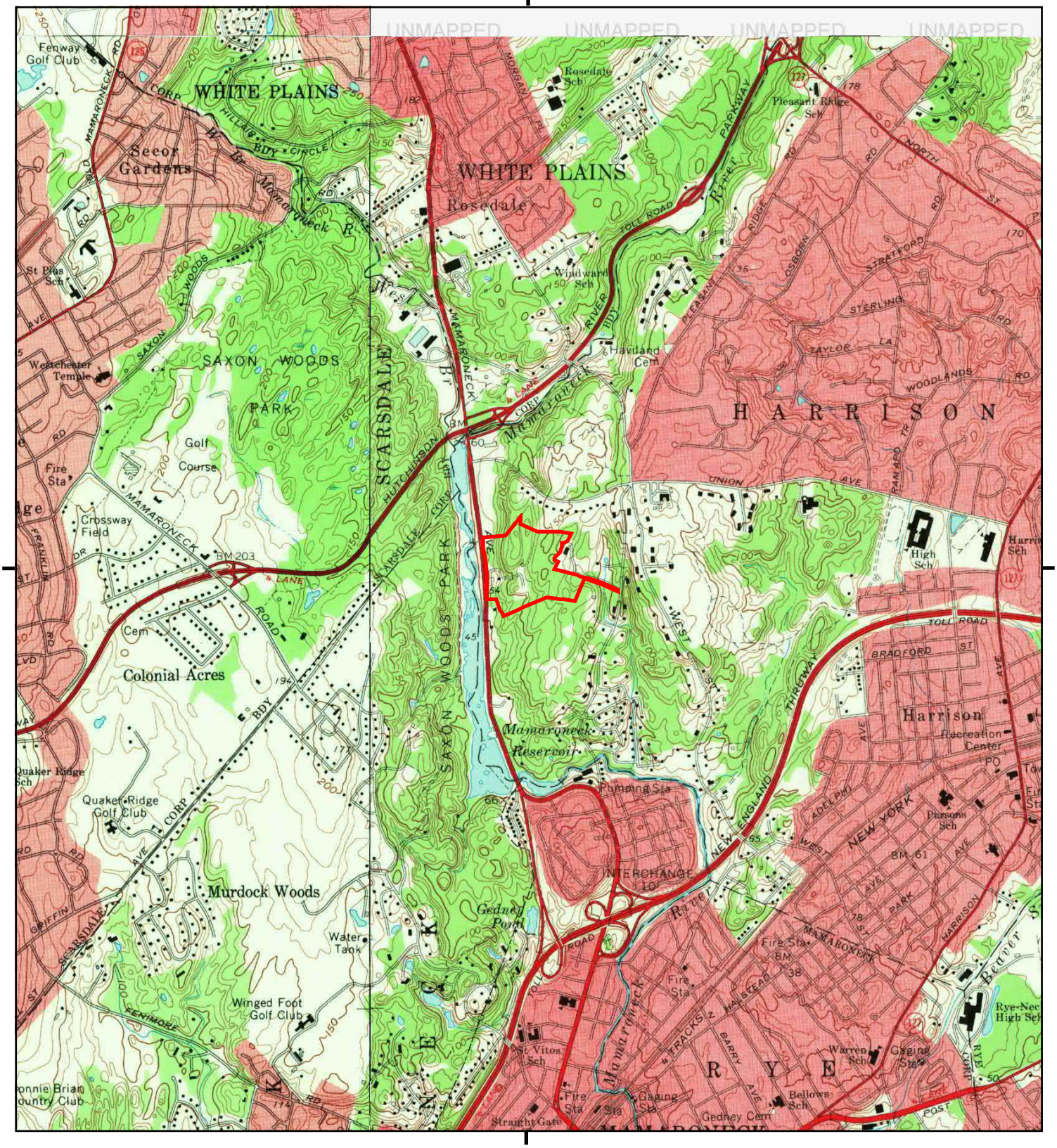
TP, Mamaroneck, 1975, 7.5-minute
SW, Mount Vernon, 1979, 7.5-minute
NW, White Plains, 1979, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1966, 1967



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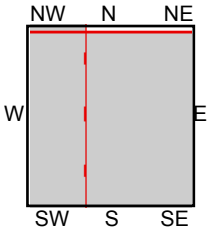


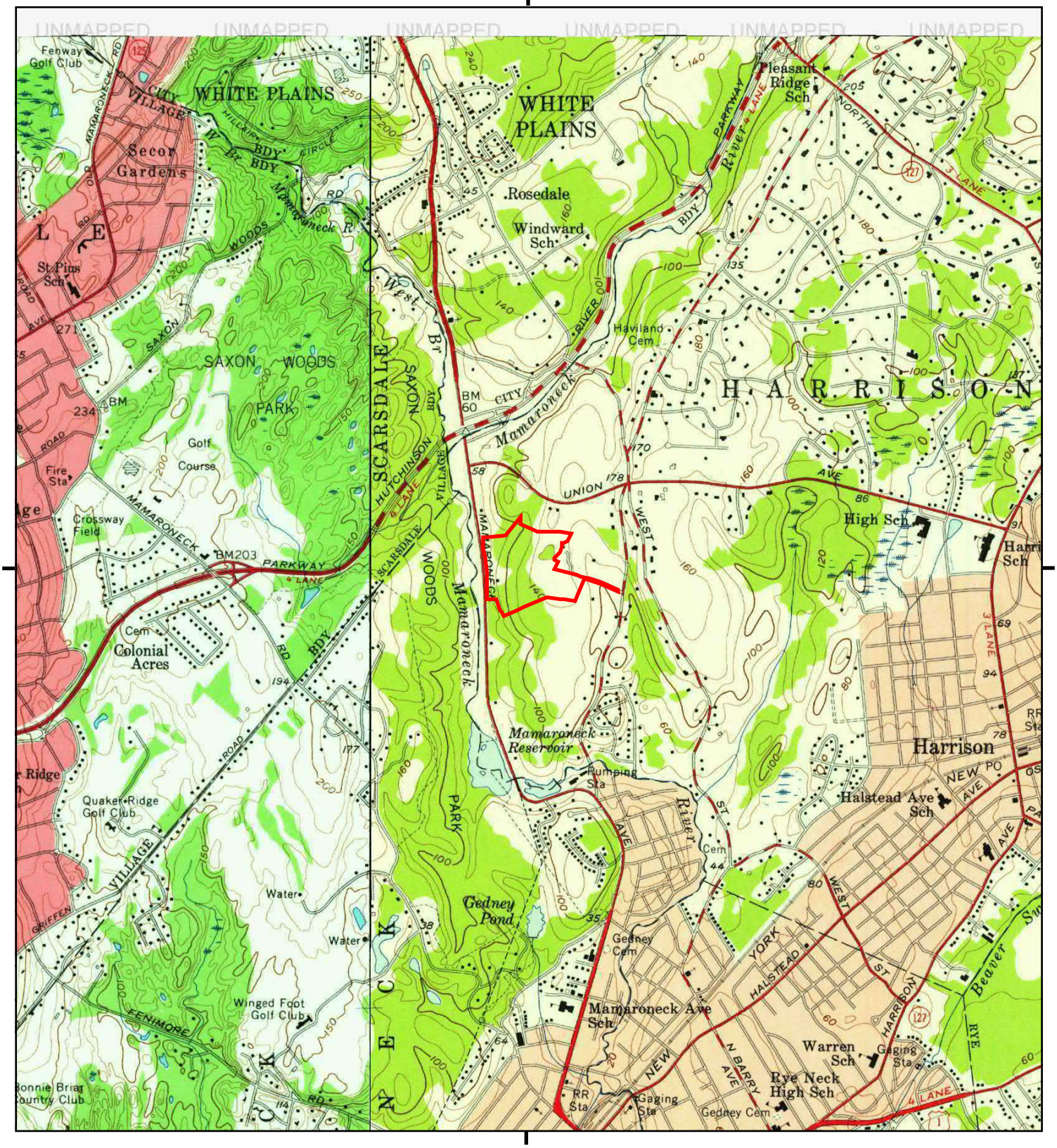
TP, Mamaroneck, 1967, 7.5-minute
SW, Mount Vernon, 1966, 7.5-minute
NW, White Plains, 1967, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1955, 1956



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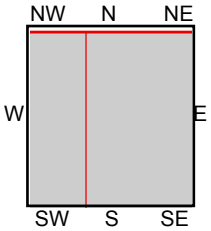

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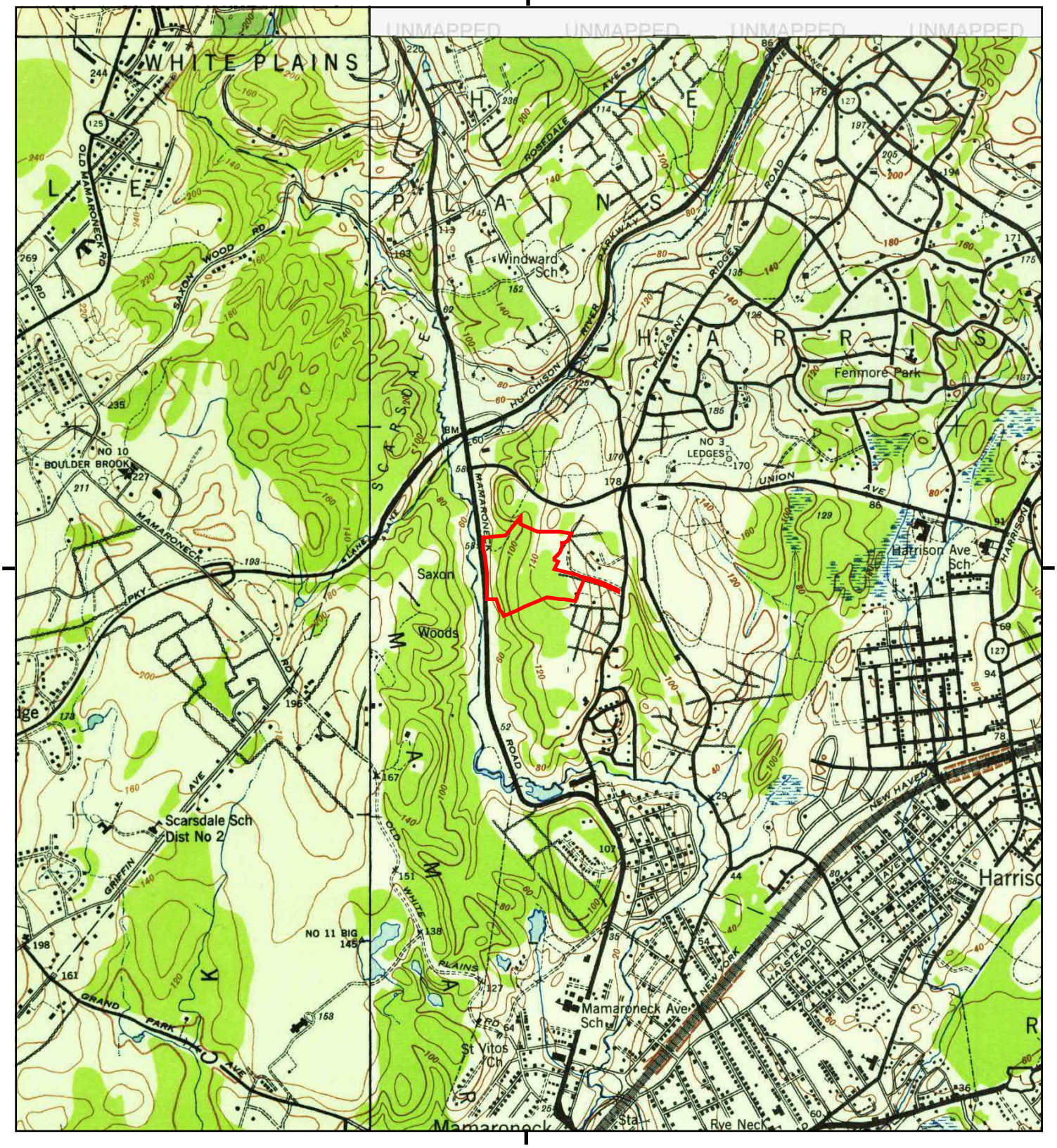
SW, Mount Vernon, 1956, 7.5-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1947



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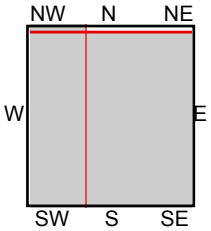


TP, Mamaroneck, 1947, 7.5-minute
SW, Mt Vernon, 1947, 7.5-minute
NW, White Plains, 1947, 7.5-minute

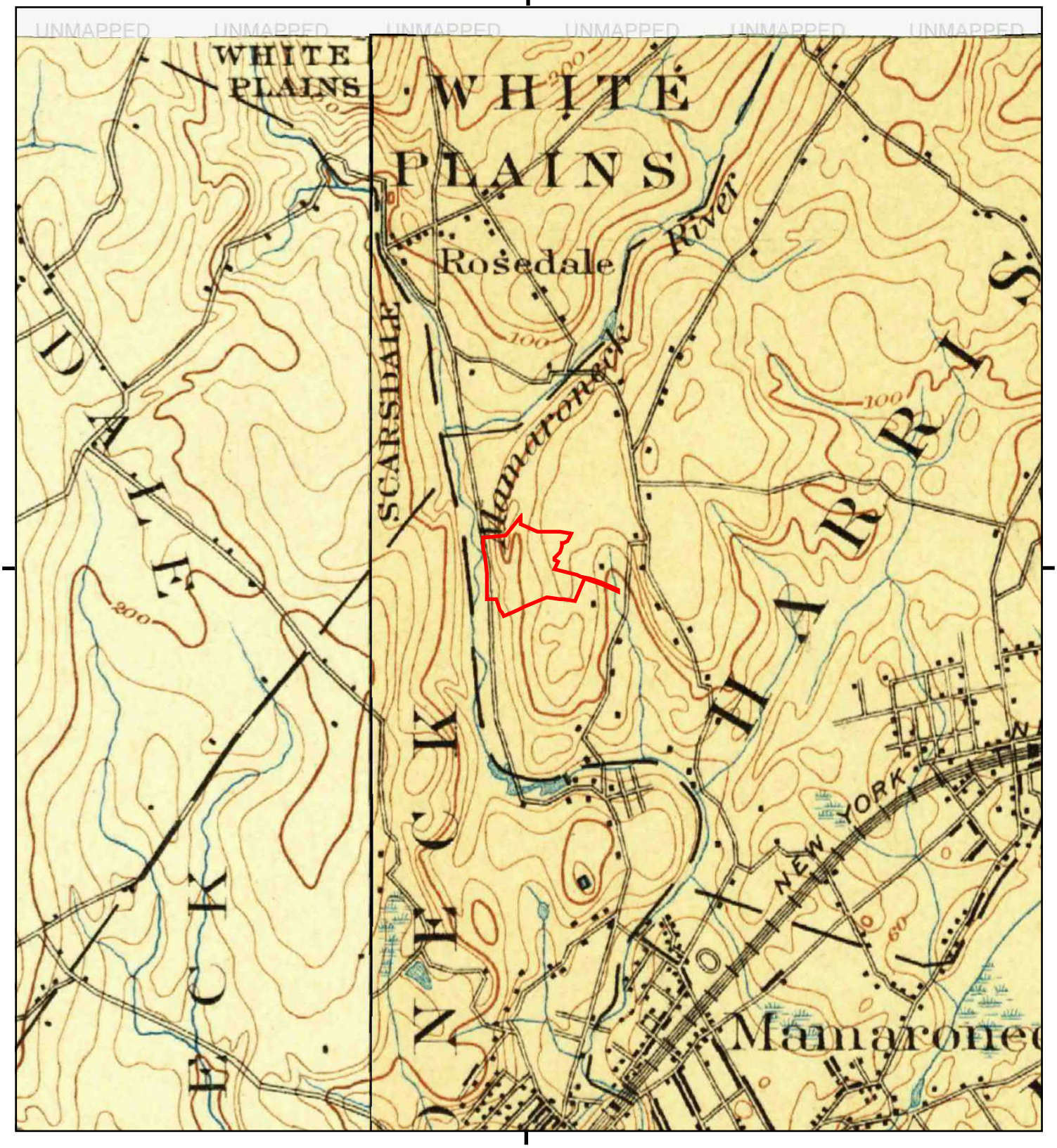
0 Miles 0.25 0.5 1 1.5

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1900



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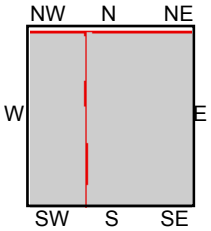


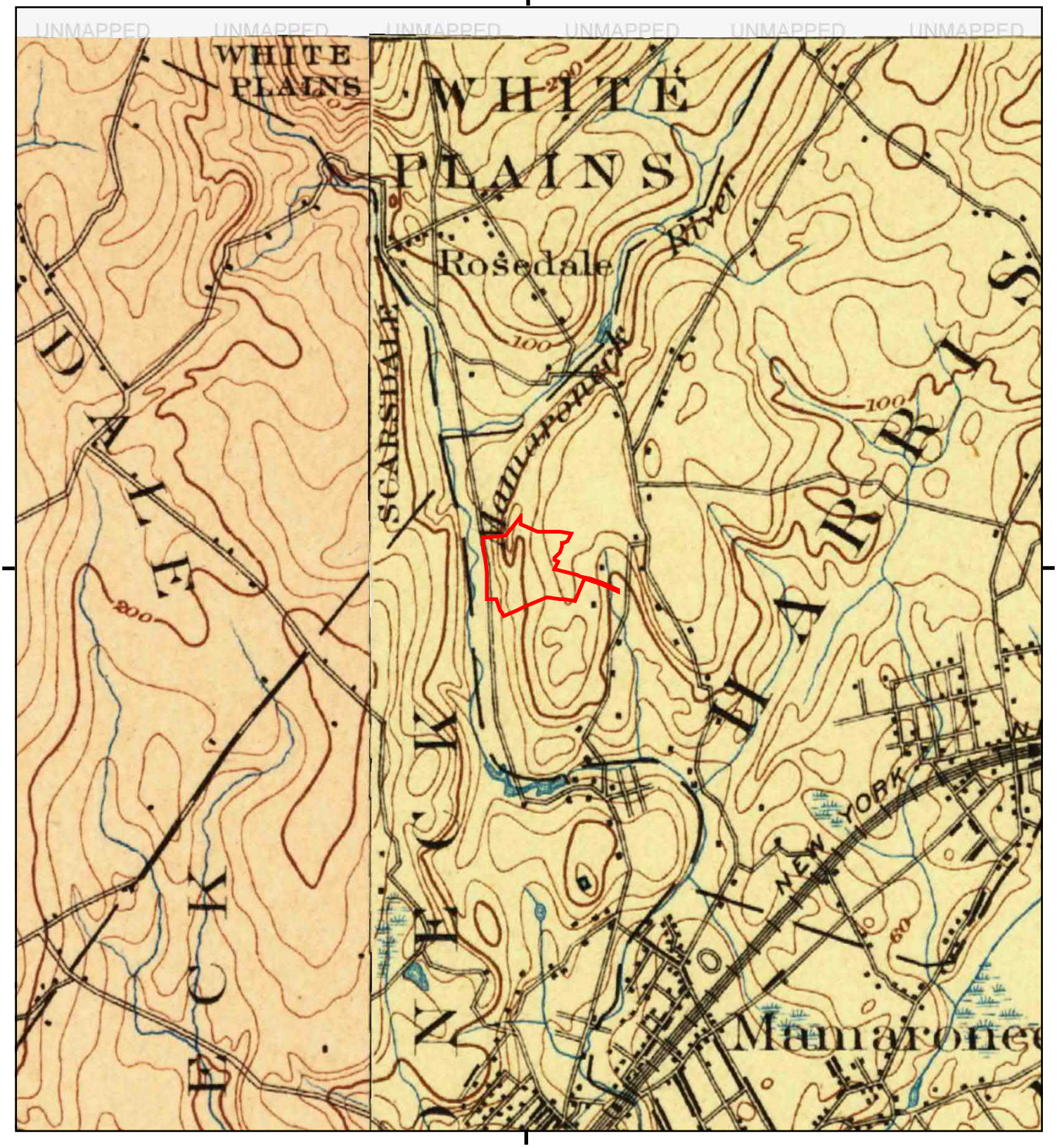
TP, Oyster Bay, 1900, 15-minute
SW, Harlem, 1900, 15-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1898



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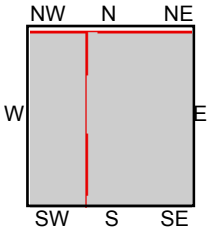


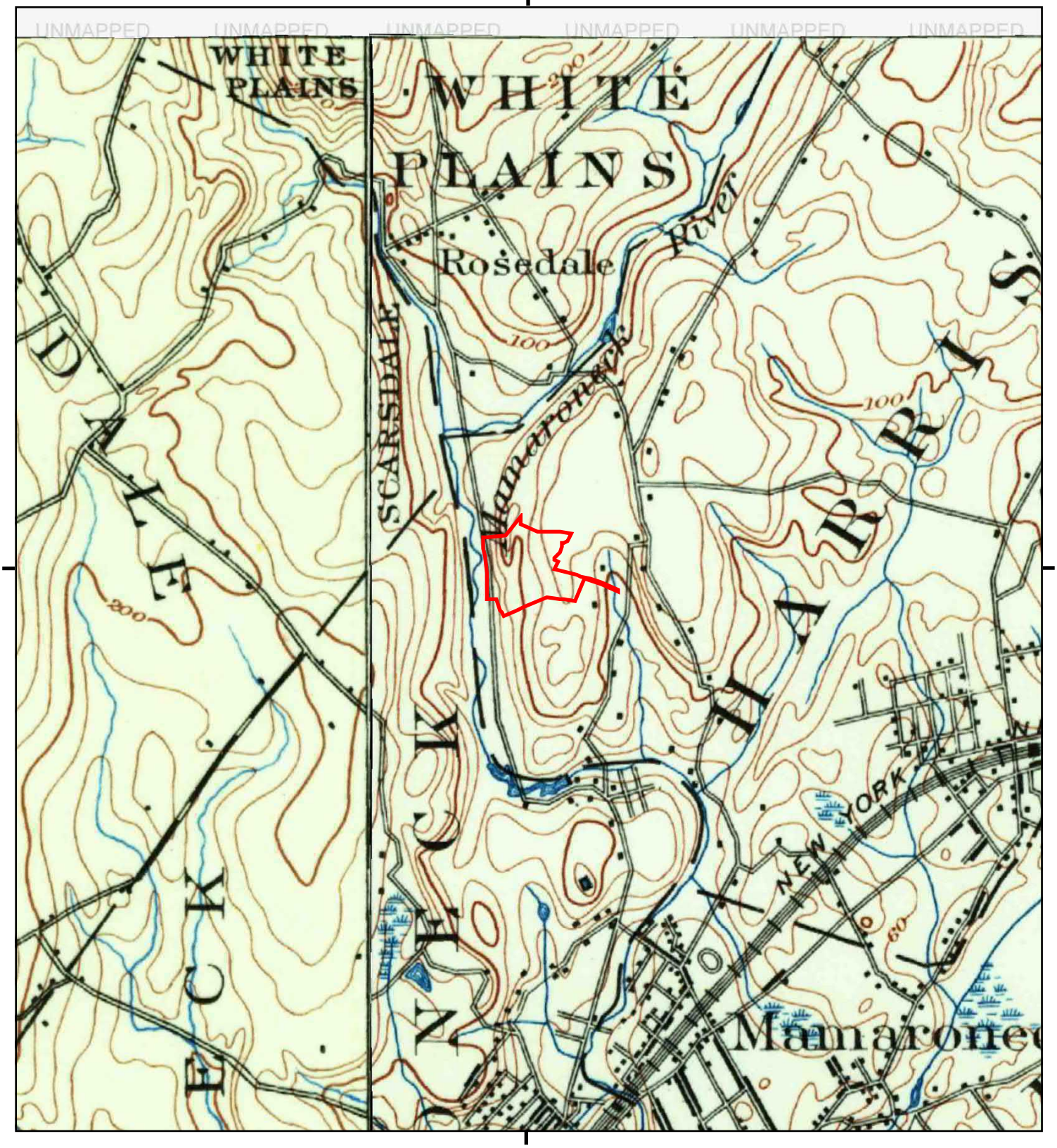
TP, Oyster Bay, 1898, 15-minute
SW, Harlem, 1898, 15-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

Historical Topo Map

1897



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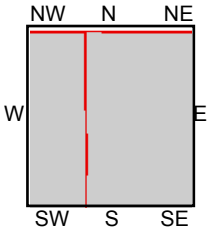

TP, Oyster Bay, 1897, 15-minute
SW, Harlem, 1897, 15-minute

SITE NAME: 500 Mamaroneck Ave
ADDRESS: 500 Mamaroneck Ave
Harrison, NY 10528
CLIENT: Bergmann Associates

N

APPENDIX B:

AERIAL PHOTOGRAPHS

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6602268.11

August 02, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/02/21

Site Name:

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528
EDR Inquiry # 6602268.11

Client Name:

Bergmann Associates
280 East Broad Street, Suite 200
Rochester, NY 14604
Contact: Skylar Francis

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: April 20, 1989	NYDOT
1984	1"=500'	Flight Date: March 26, 1984	USDA
1979	1"=500'	Flight Date: June 14, 1979	USDA
1974	1"=500'	Flight Date: October 24, 1974	USDA
1964	1"=500'	Flight Date: March 23, 1964	USGS
1961	1"=500'	Flight Date: December 15, 1961	EDR Proprietary Aerial Viewpoint
1959	1"=500'	Flight Date: November 03, 1959	USGS
1953	1"=500'	Flight Date: November 29, 1953	USGS
1941	1"=500'	Flight Date: January 01, 1941	FirstSearch

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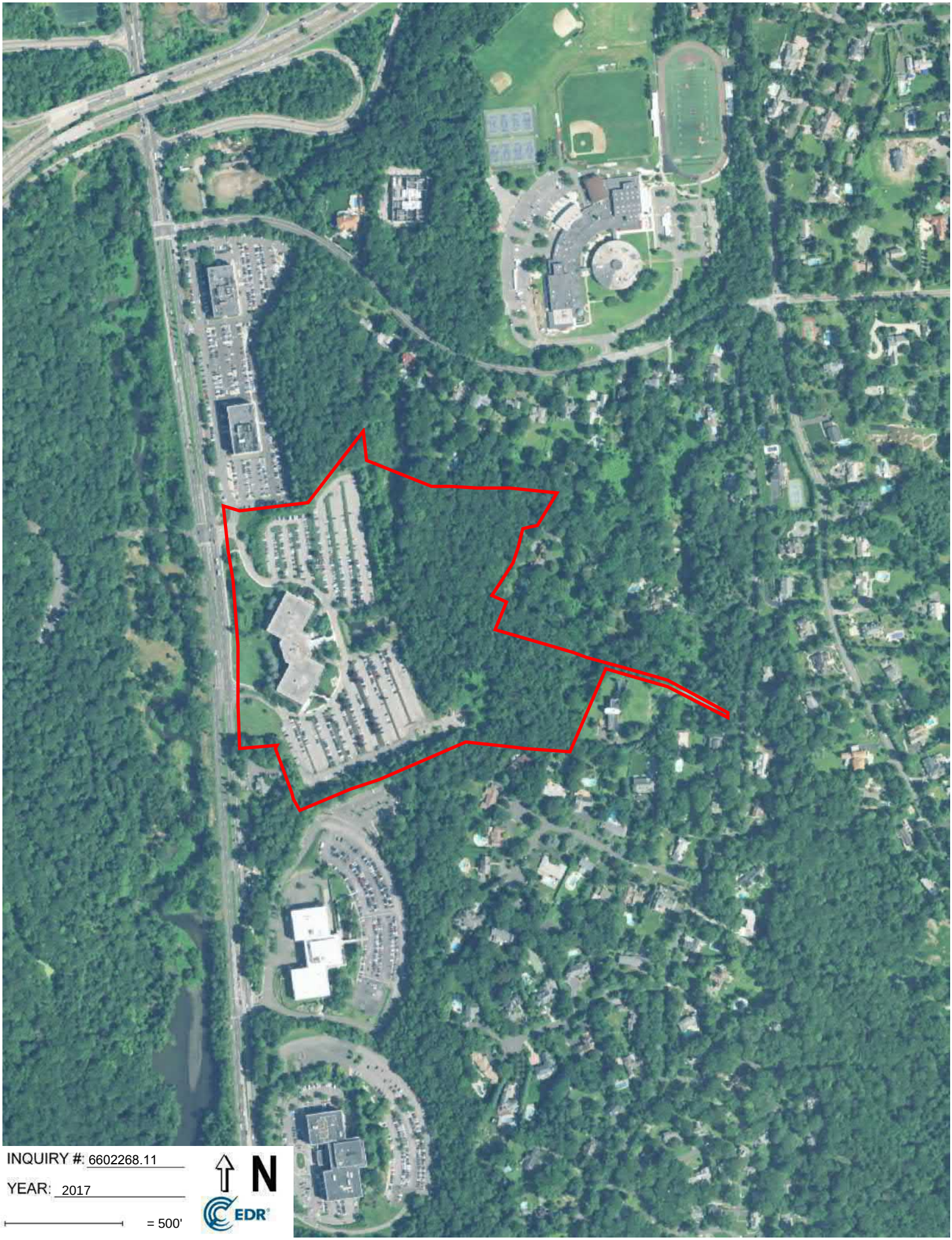


INQUIRY #: 6602268.11

YEAR: 2017

= 500'

N

EDR

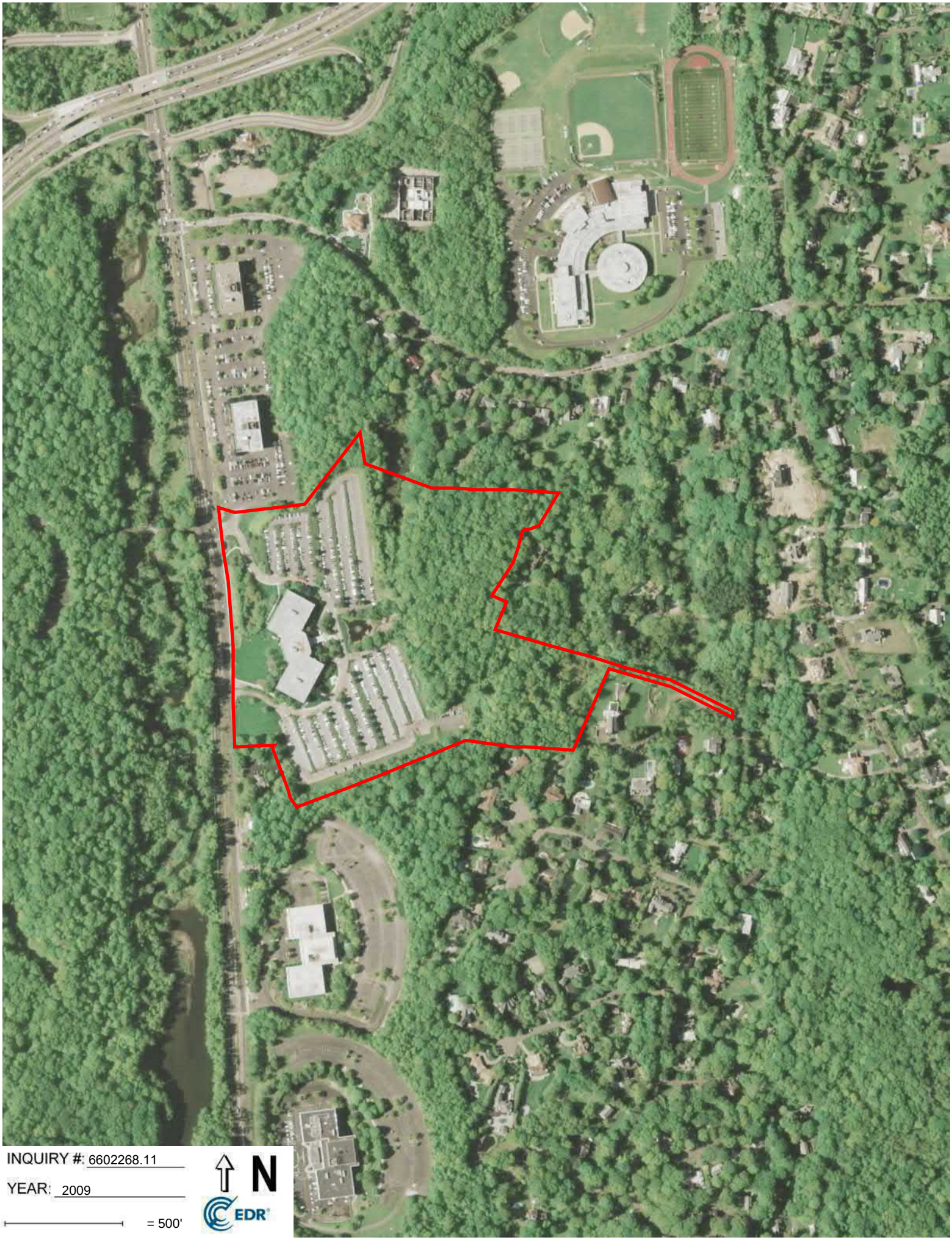
INQUIRY #: 6602268.11

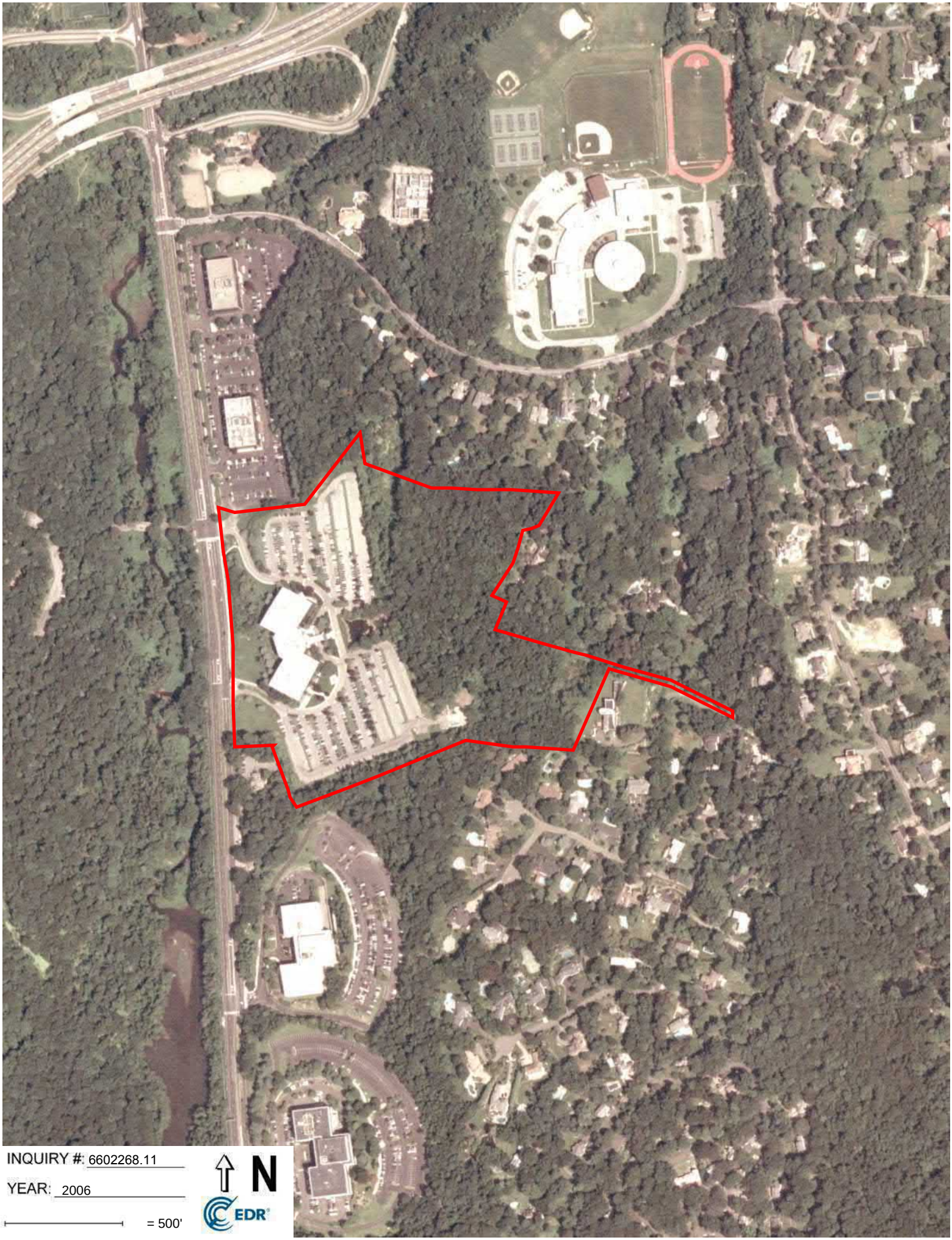
YEAR: 2013

= 500'

N

EDR


INQUIRY #: 6602268.11
YEAR: 2009
= 500'
N
EDR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YEAR: 2006
= 500'
N
EDR

INQUIRY #: 6602268.11

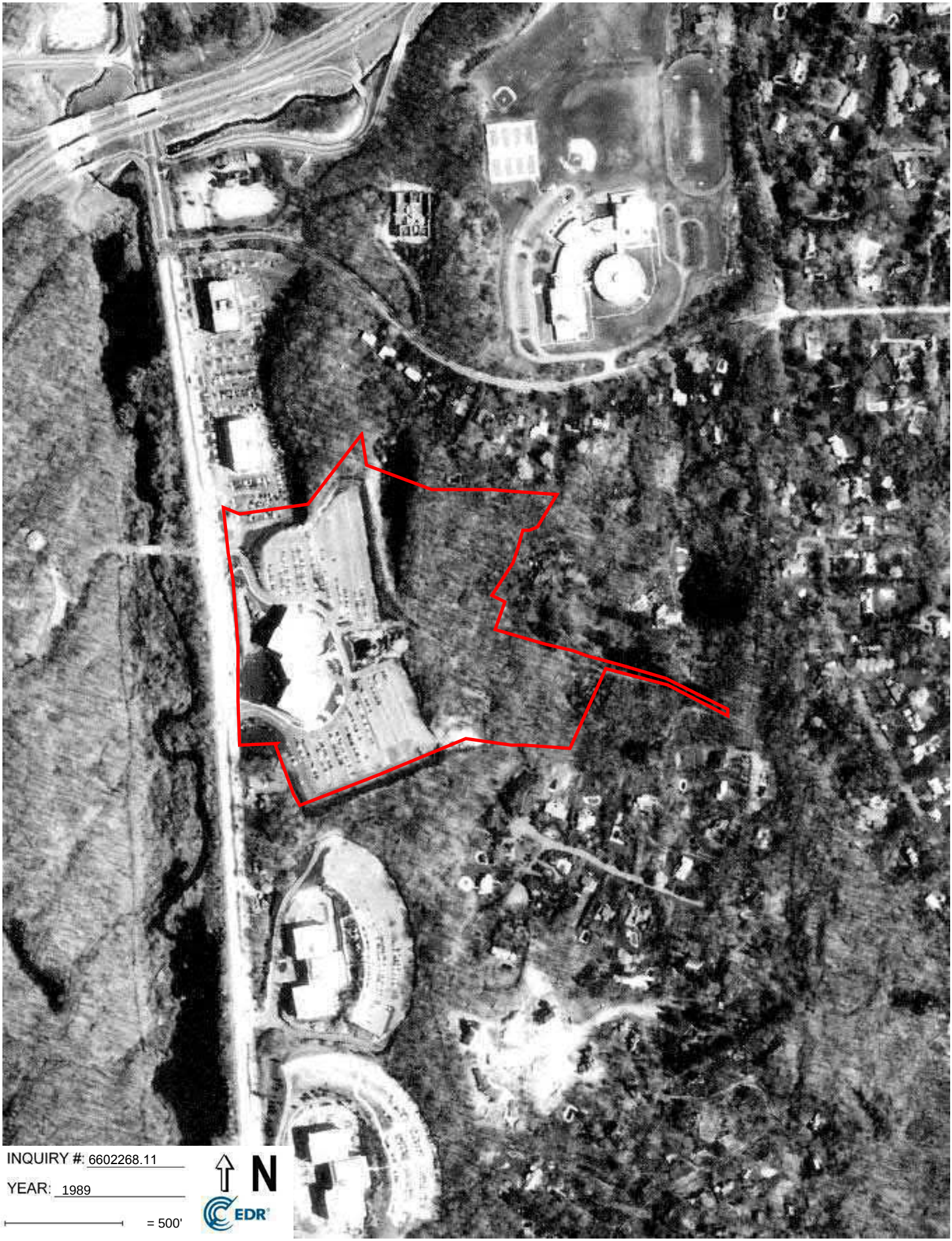
YEAR: 1994

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



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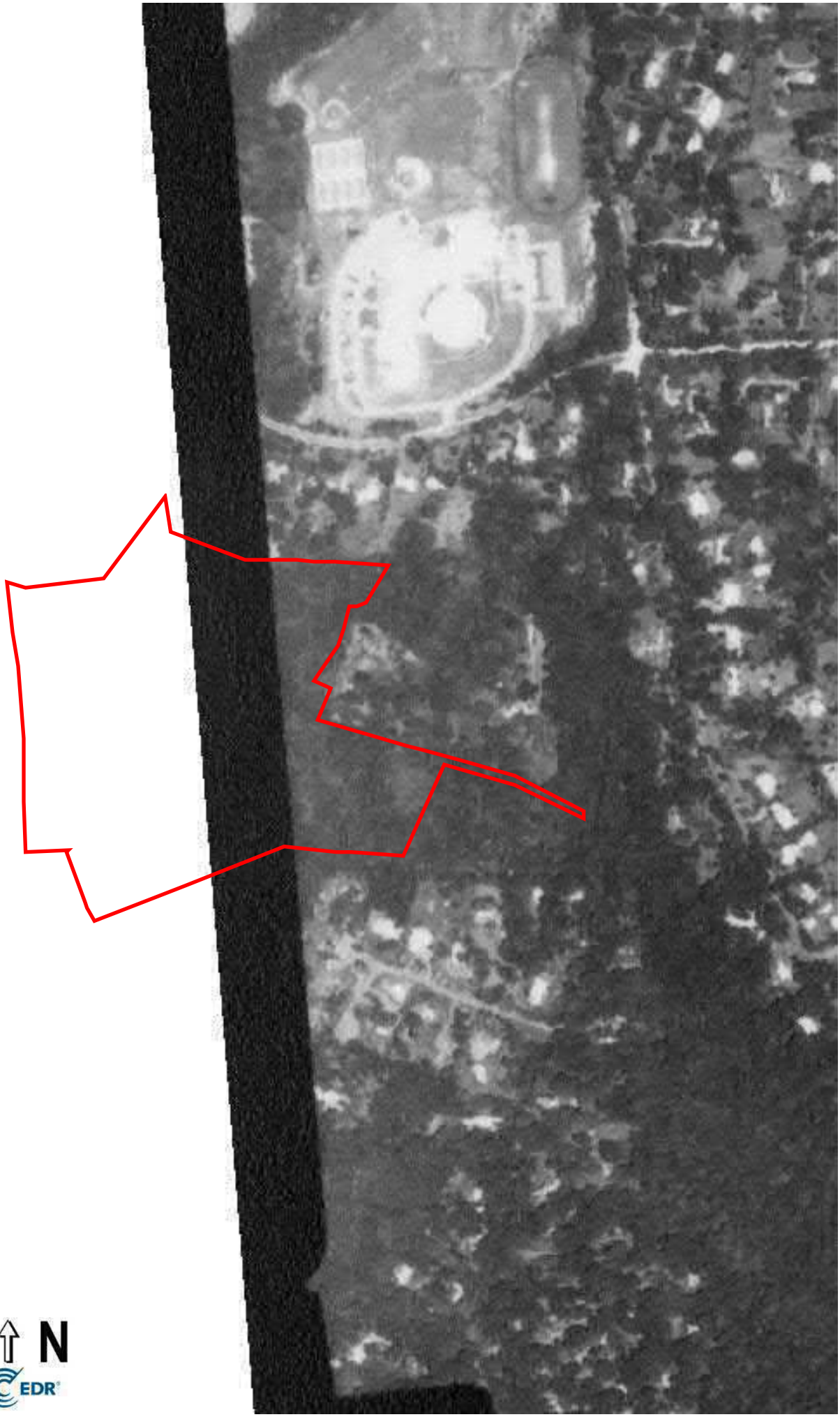
YEAR: 1989

= 500'

N

EDR

INQUIRY #: 6602268.11
YEAR: 1984
= 500'
N
EDR



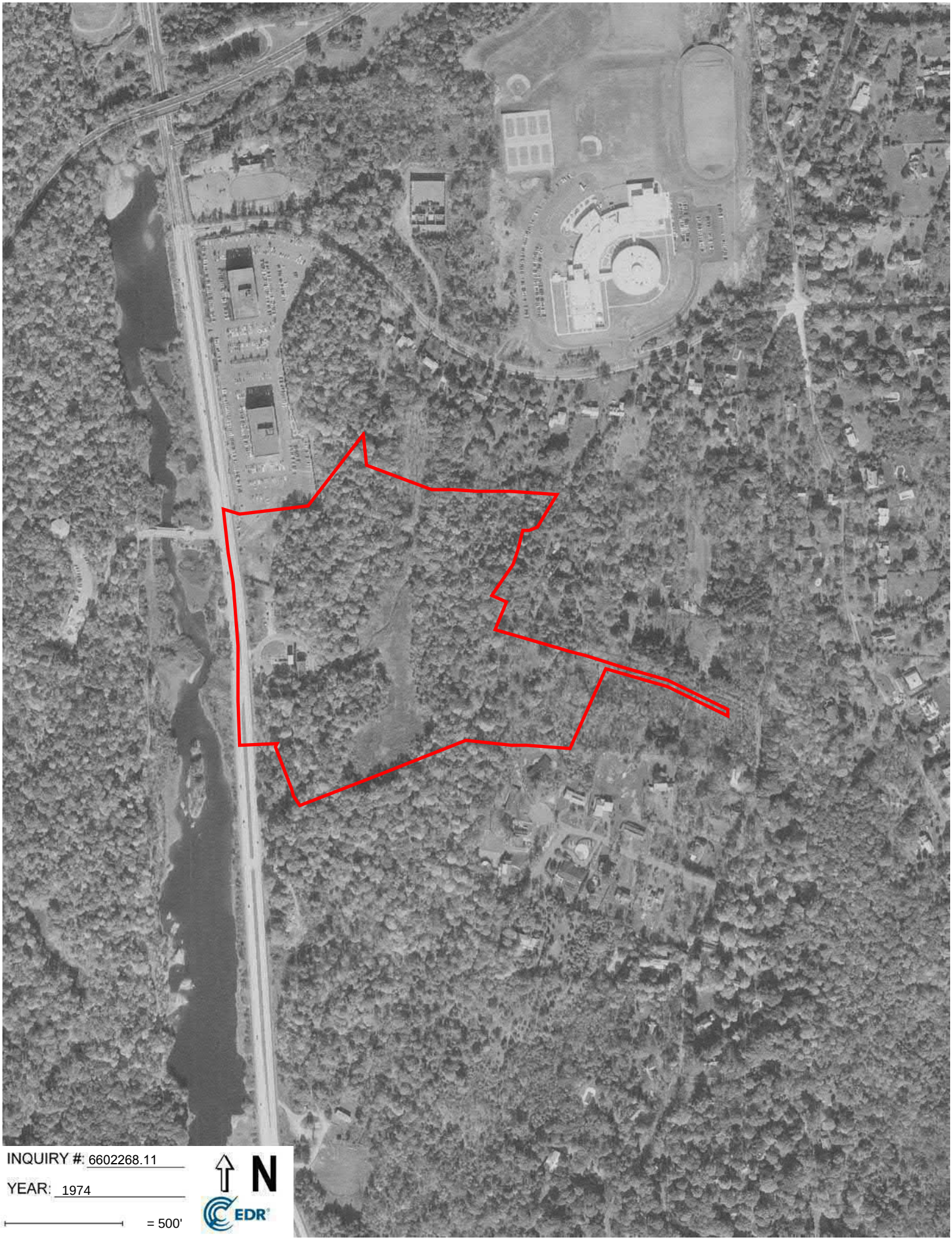
INQUIRY #: 6602268.11

YEAR: 1979

= 500'

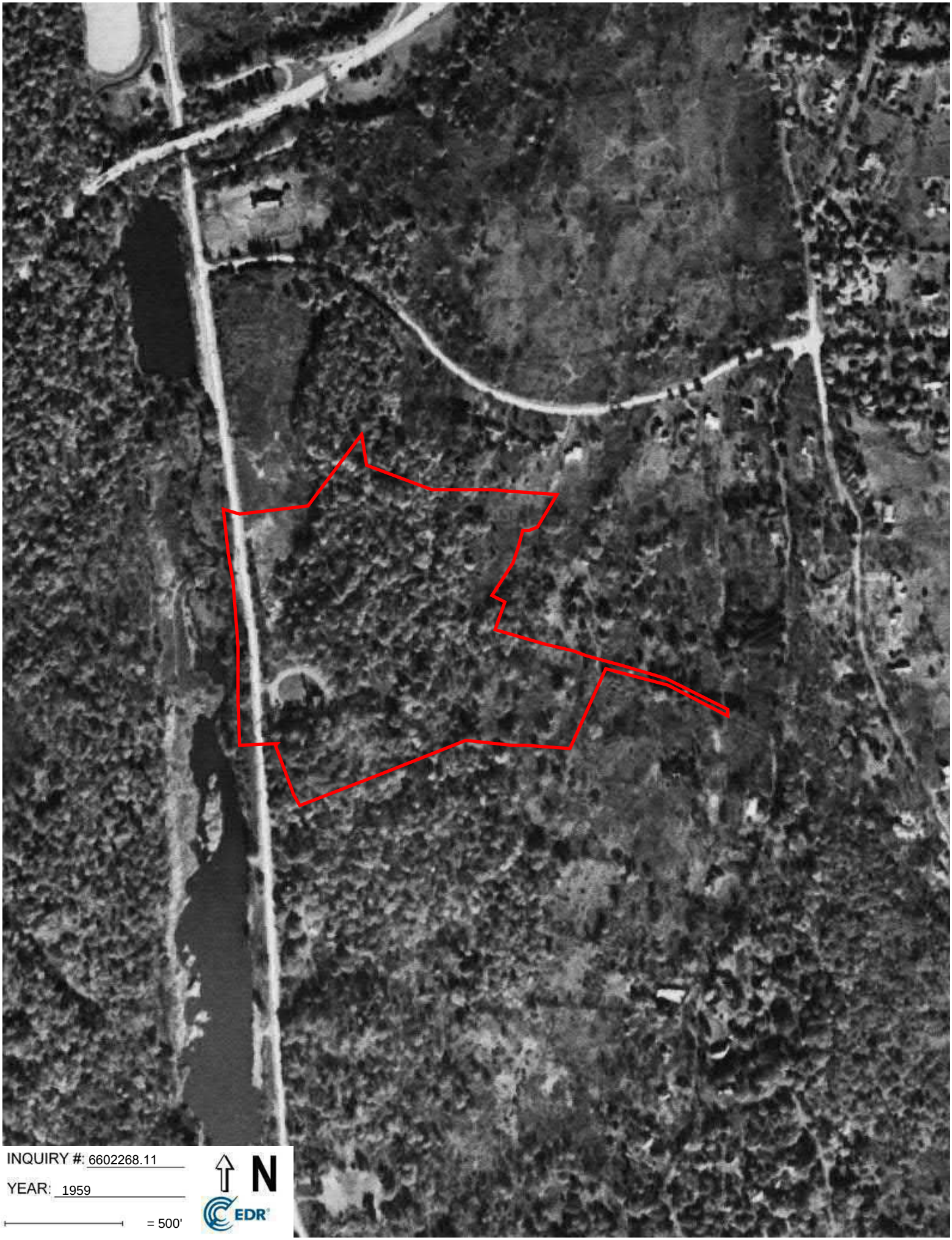
N

EDR


INQUIRY #: 6602268.11
YEAR: 1974
= 500'
N
EDR

INQUIRY #: 6602268.11
YEAR: 1964
= 500'
N
EDR

INQUIRY #: 6602268.11
YEAR: 1961
= 500'
N
EDR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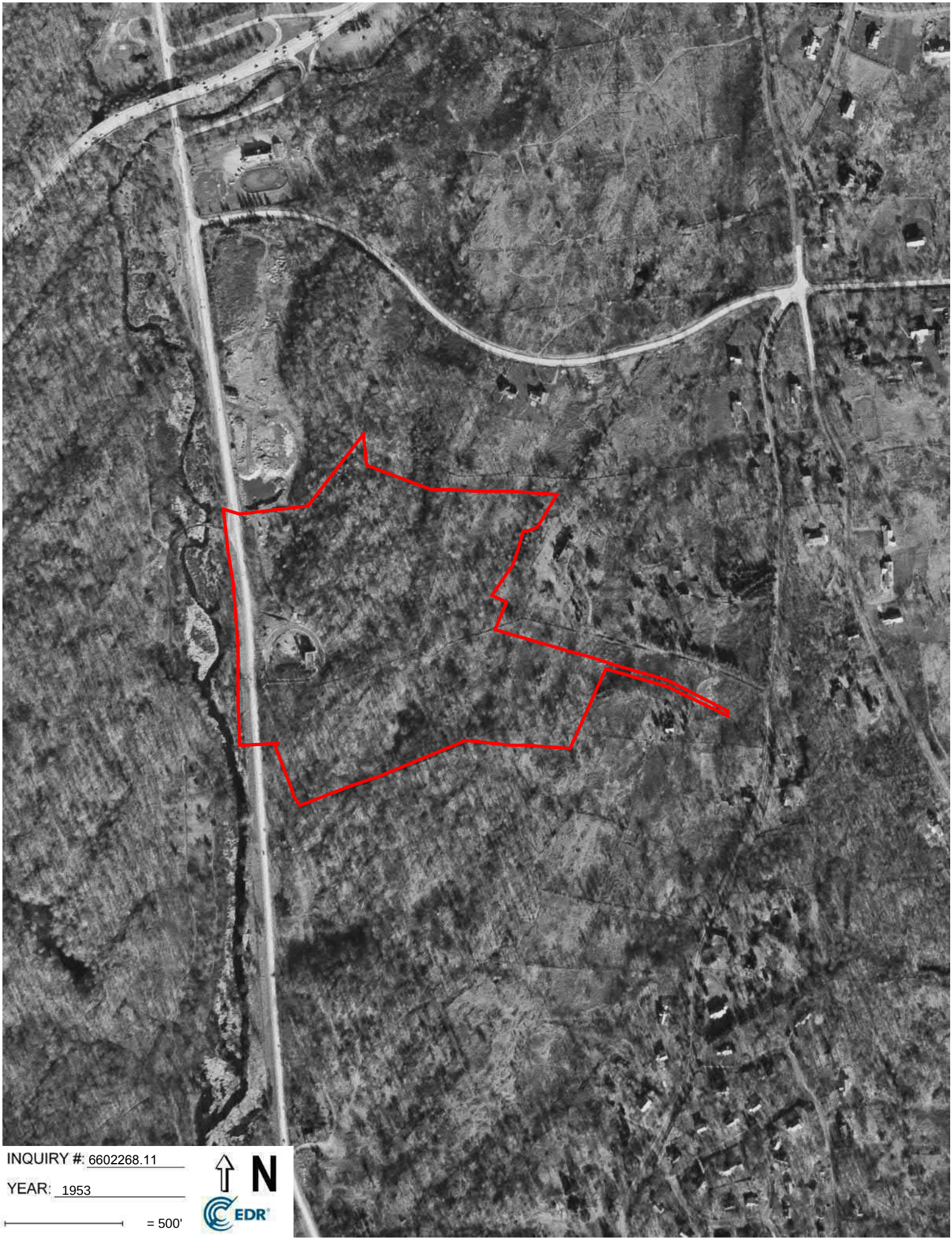
= 500'
N
EDR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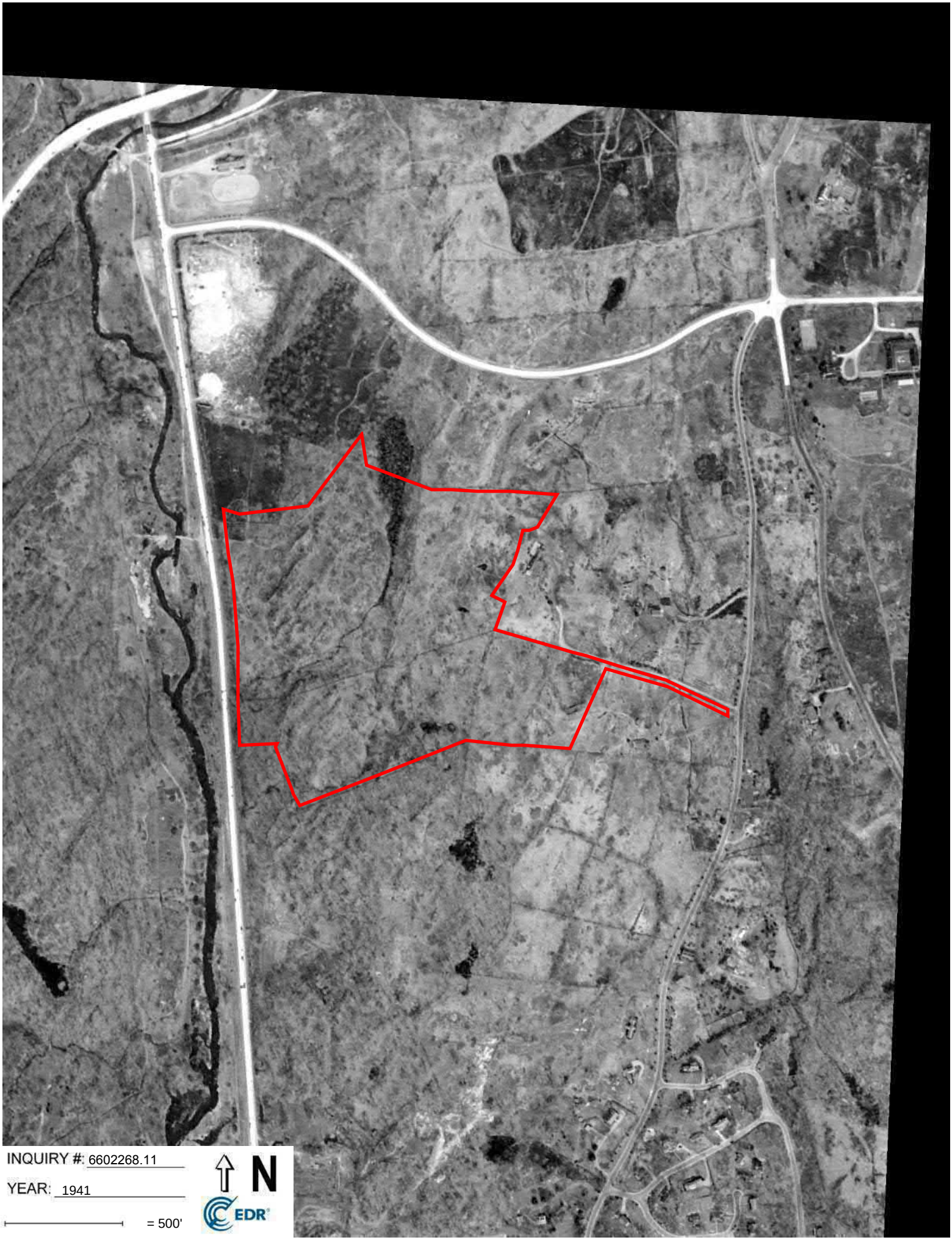
EDR


INQUIRY #: 6602268.11
YEAR: 1941
= 500'
N
EDR

APPENDIX C:

SITE OBSERVATION NOTES AND FIELD MAP

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

SITE OBSERVATIONS
(Confidential and Private)

Job No.: 14064.10 Date: 8/3/2021 Assessor Name: S. Francis

Property Address: 500 Mamaroneck Ave, Harrison, New York

(Provide a sketch of the property at a minimum)

Persons Present/Title/Tenure: S. Francis

Locality: (Circle one)
Urban, Suburban, Rural
Highly, Moderately, Lightly - Developed
Industrial, Commercial, Agricultural, Residential, Wooded, Fallow, Vacant

No. of acres: 34.5 Frontage: _____ Depth: _____ Zoning: _____

GROUND SURFACES:

Fill materials: yes/no/type _____
Debris/Dumping: yes/no/type _____
Spills/Staining: yes/no _____
Stressed Vegetation: yes/no _____
Odors: yes/no _____
Pools of Liquid: yes/no _____
Pits/Ponds/Lagoons: yes/no _____
Wastewater discharge: yes/no _____
Sheen (location): None observed
Trees _____ Landscaping _____ Green Area _____

UTILITIES: None observed onsite

Transformers: number: _____
Location on property: _____
Pole-mounted or pad-mounted
Client owned or utility owned
Suspect PCB-containing equipment: yes / no / unknown

Utility services by:

Natural gas unknown
Electric unknown
Telephone unknown
Sewer unknown — Date of Connection: N/A
Septic unknown — Location on Property: N/A
Water unknown — Date of Connection: N/A
Well unknown — Location on Property: N/A

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

BUILDING: One building onsite but Bergmann did not enter building for this Site Reconnaissance

No. of stories _____ Square Foot _____
Age of Construction _____
Additions _____

Structure: block/poured concrete _____ brick _____
steel _____ wood/stick _____
siding (type) _____
flat / peaked roof _____ condition _____

Current Heating System: _____
Past Heating System: _____
Floor drains: yes / no discharge point _____
Sump pumps: yes / nodischarge point _____
Catch basins: yes / no discharge point _____
Dry wells: yes / no discharge point _____

Current on-site operations: _____
Past on-site operations: _____

ASBESTOS: Did not conduct asbestos survey for this Phase I ESA

Was asbestos evaluated as part of this assessment? Yes No
Does the age of the building suggest the presence of asbestos? Yes No
Has the building been renovated? Yes No

Floor materials: _____9" x 9" _____12" X 12"
_____Rolled vinyl flooring _____stair treads

Ceiling tiles: _____1' x 1' _____2' x 2'
_____2' x 4' _____Spray-on

Drywall/Plaster _____ TSI _____
Pipe Wrap _____ Boiler TSI _____
Base Cove _____ Transite _____
Roofing _____

Condition of materials: _____
_____
_____
_____
_____
_____
_____

Job Number: _____

WASTES: Located off Study Area

Solid: type Trash only
container 10 YD
collector Finocchio Bros. Inc

Recycling: type Two (2) containers
container and location 8 YD
collector Finocchio Bros. Inc

Other: type
container and location
collector

type
container and location
collector

PERMITS (air, water, etc.):
(copies available)

EQUIPMENT:
Observed one (1) Cooling Tower, Registration Number 10813

ADJOINING PROPERTIES:
(Photo's)
North: Commercial building

South: Commercial building

East: Wooded area and residential properties

West: Mamaroneck Ave and wooded area

GENERATORS OR COMPRESSORS (fuel source; spills)

None observed

STORAGE TANKS:

AST/UST's
(Get copies of plans for tank location.)

USTs	Capacity	Product	Location on Property
Tank 1	Observed one (1) Cooling Tower, Registration Number 10813		
Tank 2	Indication of one (1) UST located off Study Area. Located Southeast side of the building		
Tank 3			

Staining, Stressed or Dead Vegetation None observed

Odors Detected None observed

Tanks Registered _____

(Copies of registrations available)

Any tanks removed from the property Unknown

Contractor/date _____

HAZARDOUS MATERIALS: none observed

Stored on-site _____ Used on-site _____

MSDS on-site yes / no _____

List materials (type, size of containers, spills, odors, etc.)

_____

_____

_____

Evidence of Spillage/Leakage:

_____

_____

_____

ADDITIONAL NOTES:

- Observed one (1) active Cooling Tower used for air conditioning located in the middle of the north parking lot
- Shipping/ storage containers observed in the area where the waste container are located. It was unknown at the time of the site reconnaissance, if any material was stored in the containers.

Signature of Assessor: S. Francis

PowerFlex
500 Mamaroneck Ave.

FIELD MAP

250 Feet

N

Town of Harrison, Westchester County, New York

APPENDIX D:

INTERVIEW QUESTIONNAIRE

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

Interview Form

Site Name 500 Mamaroneck Ave **Bergmann Project #**
Site Location 500 Mamaroneck Ave, Harrison, New York

Interviewee Jeffrey Duarte **Date** **9/16/2021**
Connection to subject property Portfolio Manager, Empire State Realty Trust, Inc.

Asked the interviewee to answer in "good faith and to the extent of their knowledge".

Ownership From: 2007 To: Present

Previous Owners? Was not aware of previous owner

Occupants or operations onsite? Multi-unit commercial building

Site Use Multi-unit commercial building

Site History The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison.

Any evidence or past use of hazardous substances or petroleum products used or stored on the property? none that he is aware of

Pits, Lagoons or Ponds.	**Y** or N	Pools of Liquid	Y or **N**
Stained Soils	Y or **N**	Odors	Y or **N**
Stressed Vegetation	Y or **N**	Stains or Corrosion	Y or **N**
Solid Waste	**Y** or N	PCB's	Y or **N**
Waste Water	Y or **N**	Storage Tanks	Y or **N**
Wells	Y or **N**	Drums	Y or **N**
Septic System	Y or **N**	Drains or Sumps	Y or **N**

Adjoining property uses? (gas station… (past uses) Commerical buildings

Haz Substances or Petrol potential to migrate onto the subject property? none that he is aware of

Materials/Drums buried onsite? none that he is aware of

Previous use of the property? The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison.

Environmental Cleanup Liens? none that he is aware of

Any known spills/emergency response? none that he is aware of

Misc:

Mr. Durante was not aware of any past enivornmental concerns on the property.

Mr. Duarte was not aware of a Site Management Plan for the property.

APPENDIX E:

SANBORN FIRE INSURANCE MAP SEARCH

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6602268.3

August 16, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/16/21

Site Name:	Client Name:
500 Mamaroneck Ave	Bergmann Associates
500 Mamaroneck Ave	280 East Broad Street, Suite 200
Harrison, NY 10528	Rochester, NY 14604
EDR Inquiry # 6602268.3	Contact: Skylar Francis

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Bergmann Associates were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 372B-4625-8A8A

PO # 14064.10

Project Mamaroneck Av

Maps Provided:

2003	1963
1996	1950
1995	1942
1994	1934
1993	1919
1992	
1990	
1988	

Sanborn® Library search results

Certification #: 372B-4625-8A8A

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2003 Source Sheets

Volume 1, Sheet 314
2003

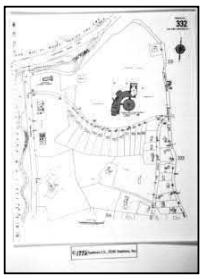
Volume 1, Sheet 332
2003

Volume 1, Sheet 61b
2003

1996 Source Sheets

Volume 1, Sheet 61b
1996

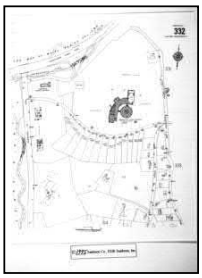
Volume 1, Sheet 314
1996



Volume 1, Sheet 332
1996

1995 Source Sheets

Volume 1, Sheet 314
1995



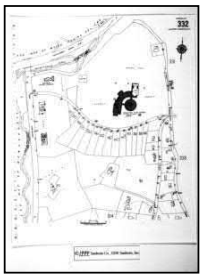
Volume 1, Sheet 332
1995

Volume 1, Sheet 61b
1995

1994 Source Sheets

Volume 1, Sheet 61b
1994

Volume 1, Sheet 314
1994

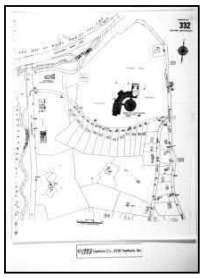


Volume 1, Sheet 332
1994

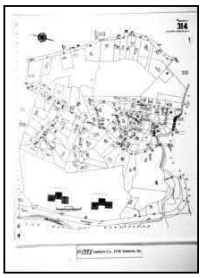
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1993 Source Sheets



Volume 1, Sheet 332
1993

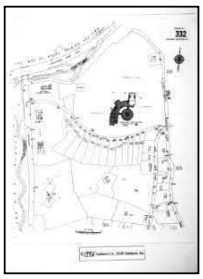


Volume 1, Sheet 314
1993

1992 Source Sheets

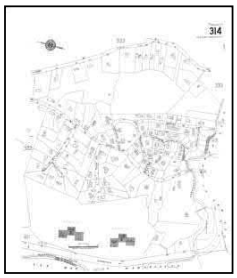
Volume 1, Sheet 61b
1992

Volume 1, Sheet 314
1992



Volume 1, Sheet 332
1992

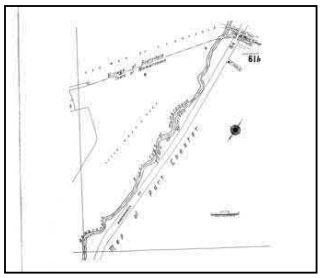
1990 Source Sheets



Volume 1, Sheet 314
1990

Volume 1, Sheet 332
1990

1988 Source Sheets

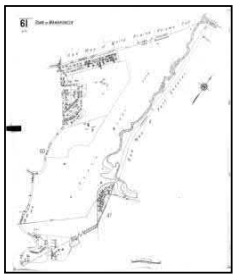


Volume 1, Sheet 61b
1988

Sanborn Sheet Key

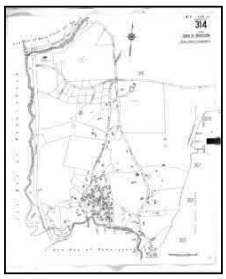
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1963 Source Sheets



Volume 1, Sheet 61
1963

1950 Source Sheets



Volume 1, Sheet 314
1950

Volume 1, Sheet 61
1950

1942 Source Sheets

Volume 1, Sheet 40
1942

1934 Source Sheets

Volume 1, Sheet 314
1934

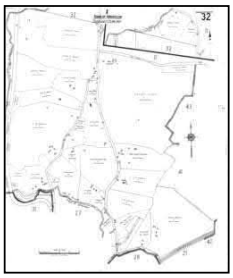
Volume 1, Sheet 61
1934

Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1919 Source Sheets

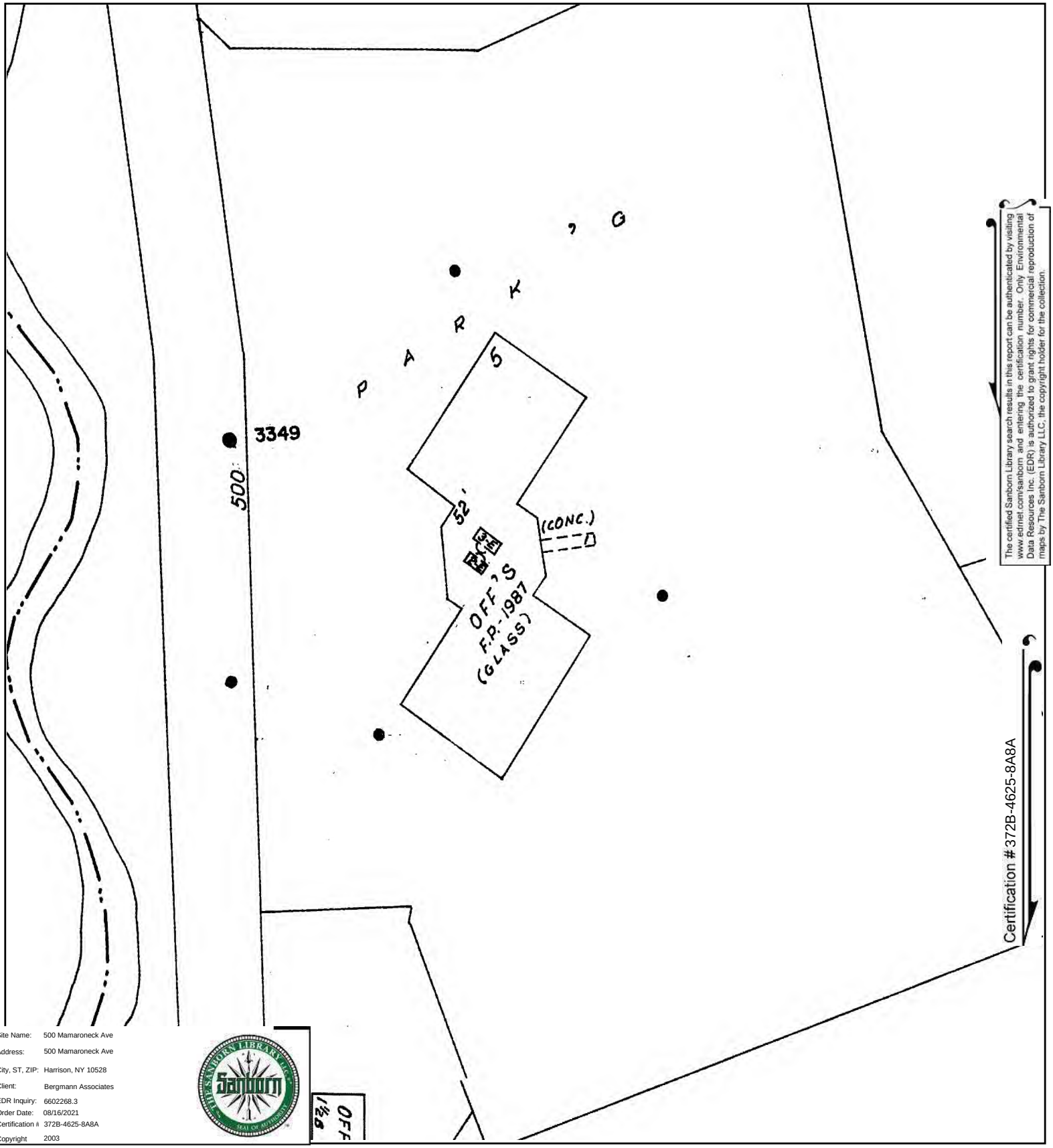
Volume 1, Sheet 31
1919



Volume 1, Sheet 32
1919

Certified Sanborn® Map

2003



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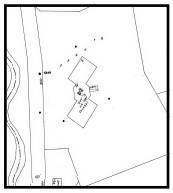
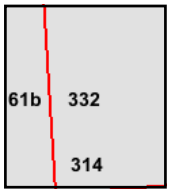


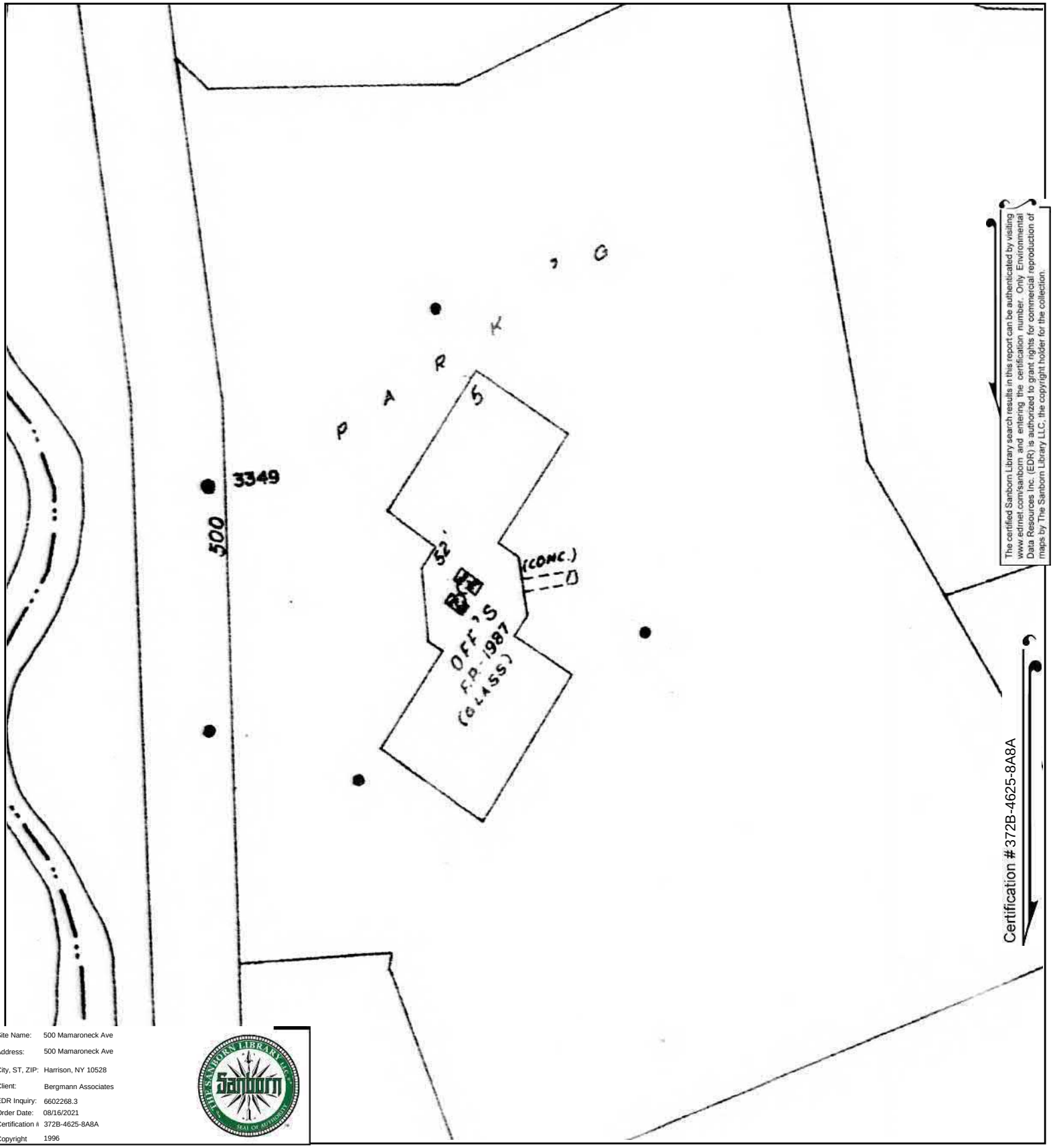


Volume 1, Sheet 61b
Volume 1, Sheet 332
Volume 1, Sheet 314

N

Certified Sanborn® Map

1996



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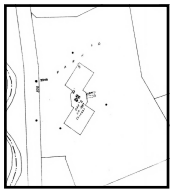
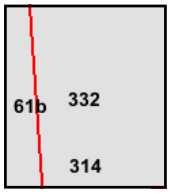


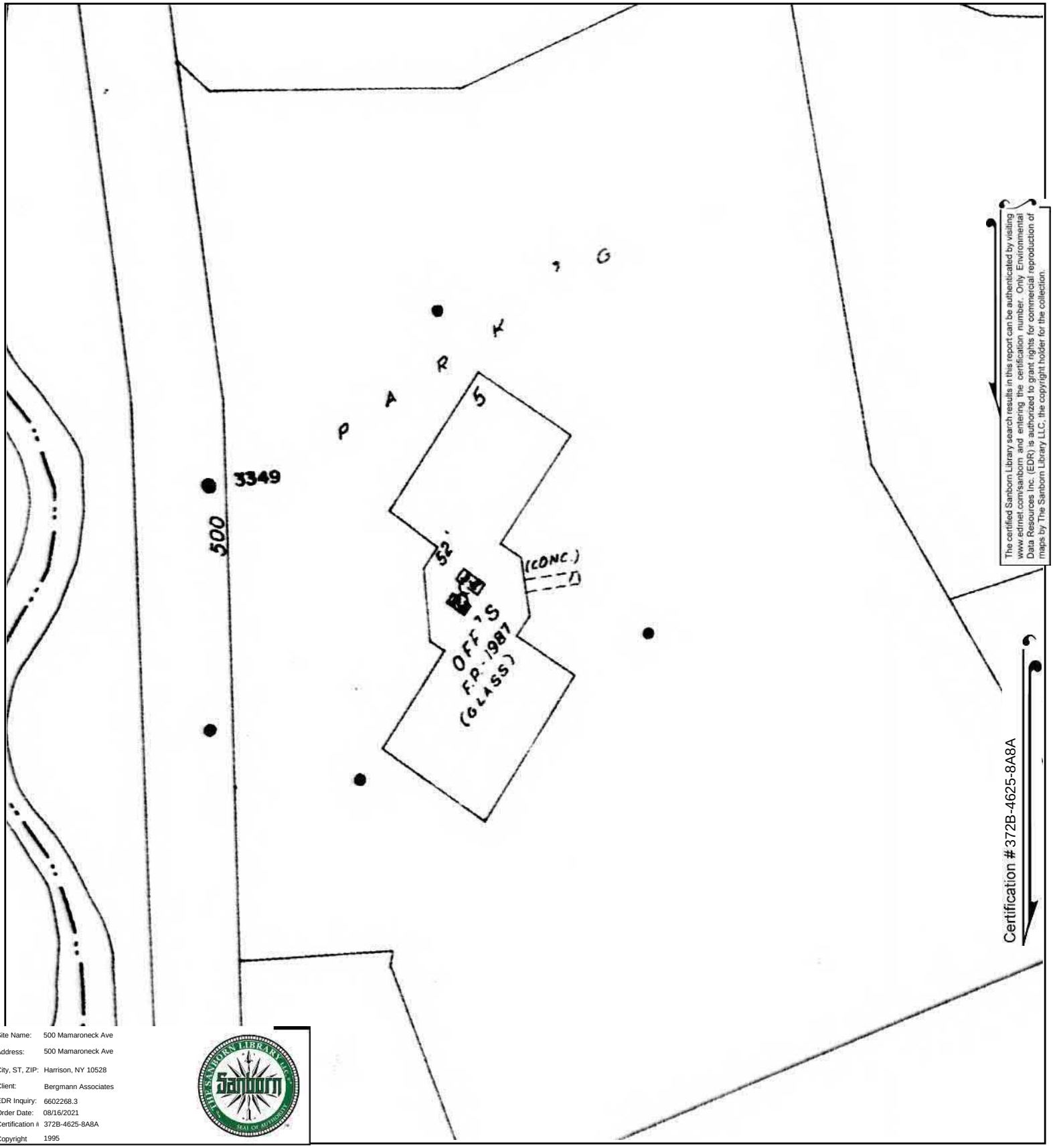


Volume 1, Sheet 332
Volume 1, Sheet 314
Volume 1, Sheet 61b

N

Certified Sanborn® Map

1995



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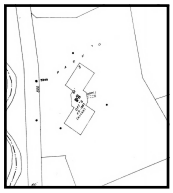

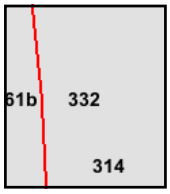

Volume 1, Sheet 61b
Volume 1, Sheet 332
Volume 1, Sheet 314

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N

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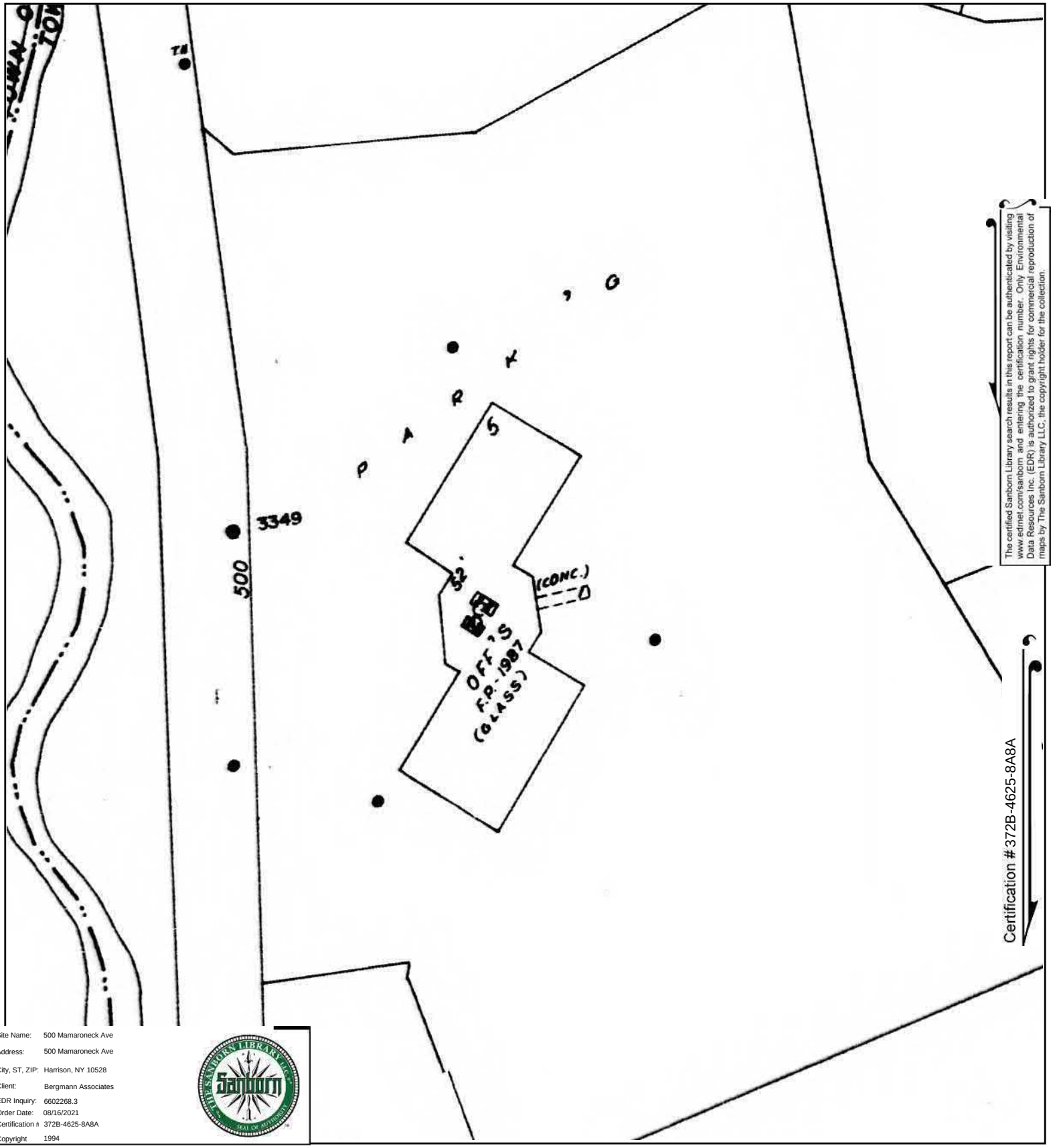
1994



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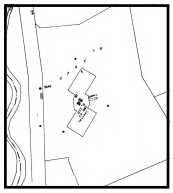

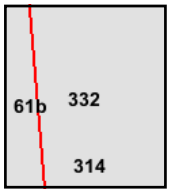

Volume 1, Sheet 332
Volume 1, Sheet 314
Volume 1, Sheet 61b

N

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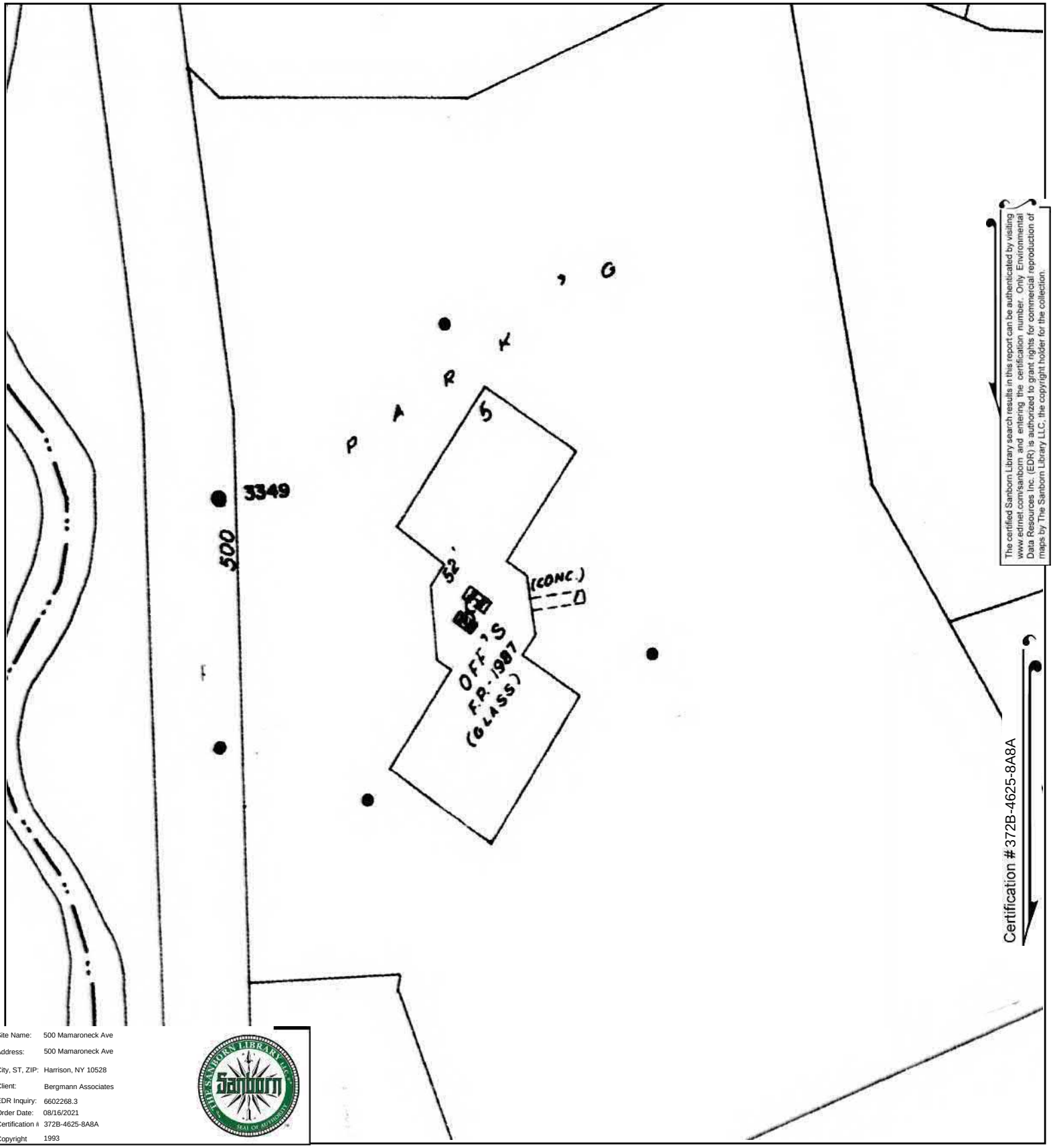
1993



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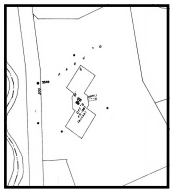

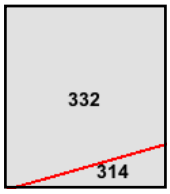

Volume 1, Sheet 314
Volume 1, Sheet 332

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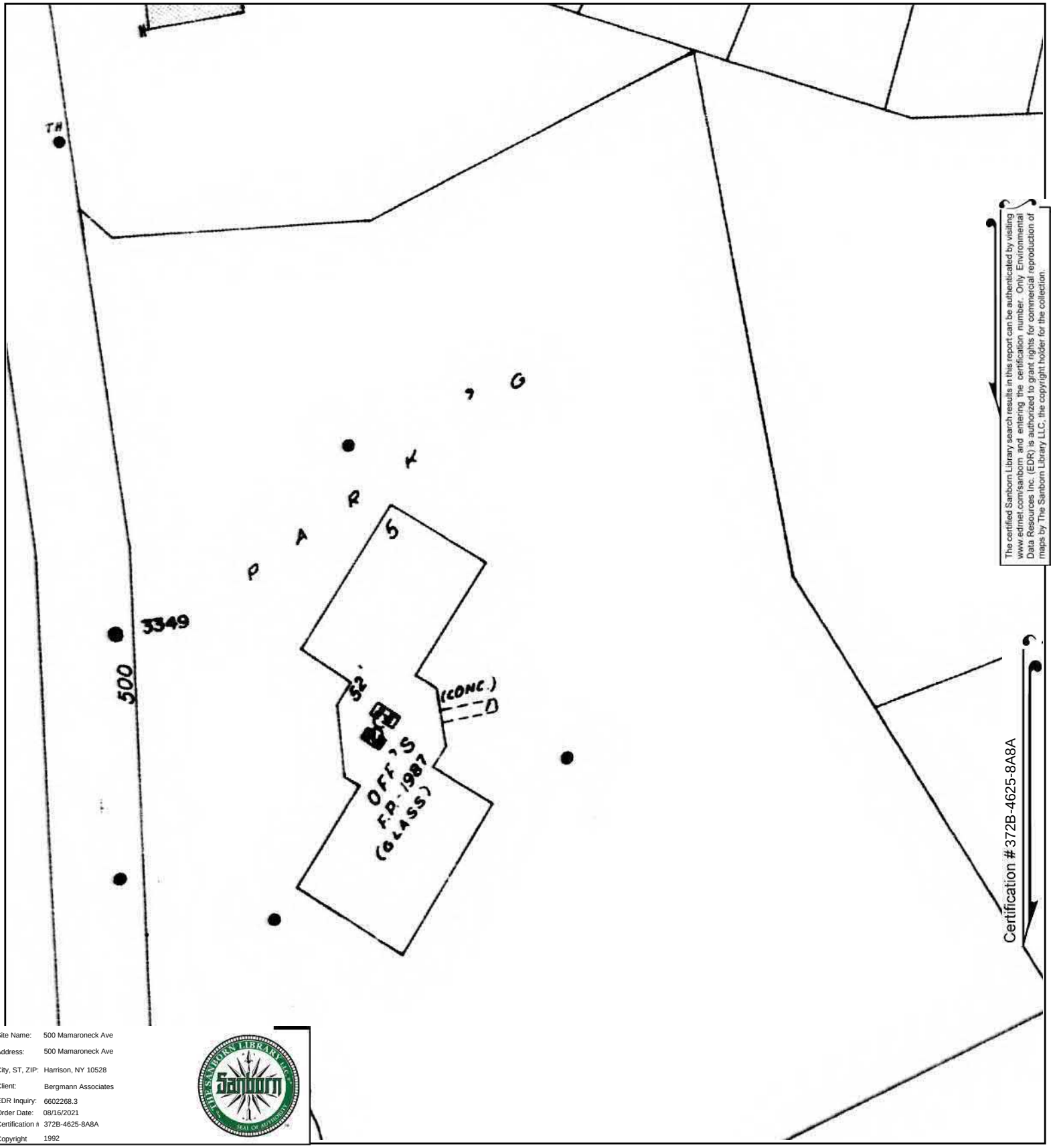
1992



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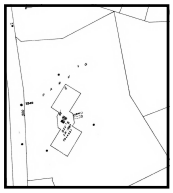

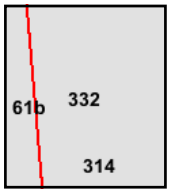

Volume 1, Sheet 332
Volume 1, Sheet 314
Volume 1, Sheet 61b

N

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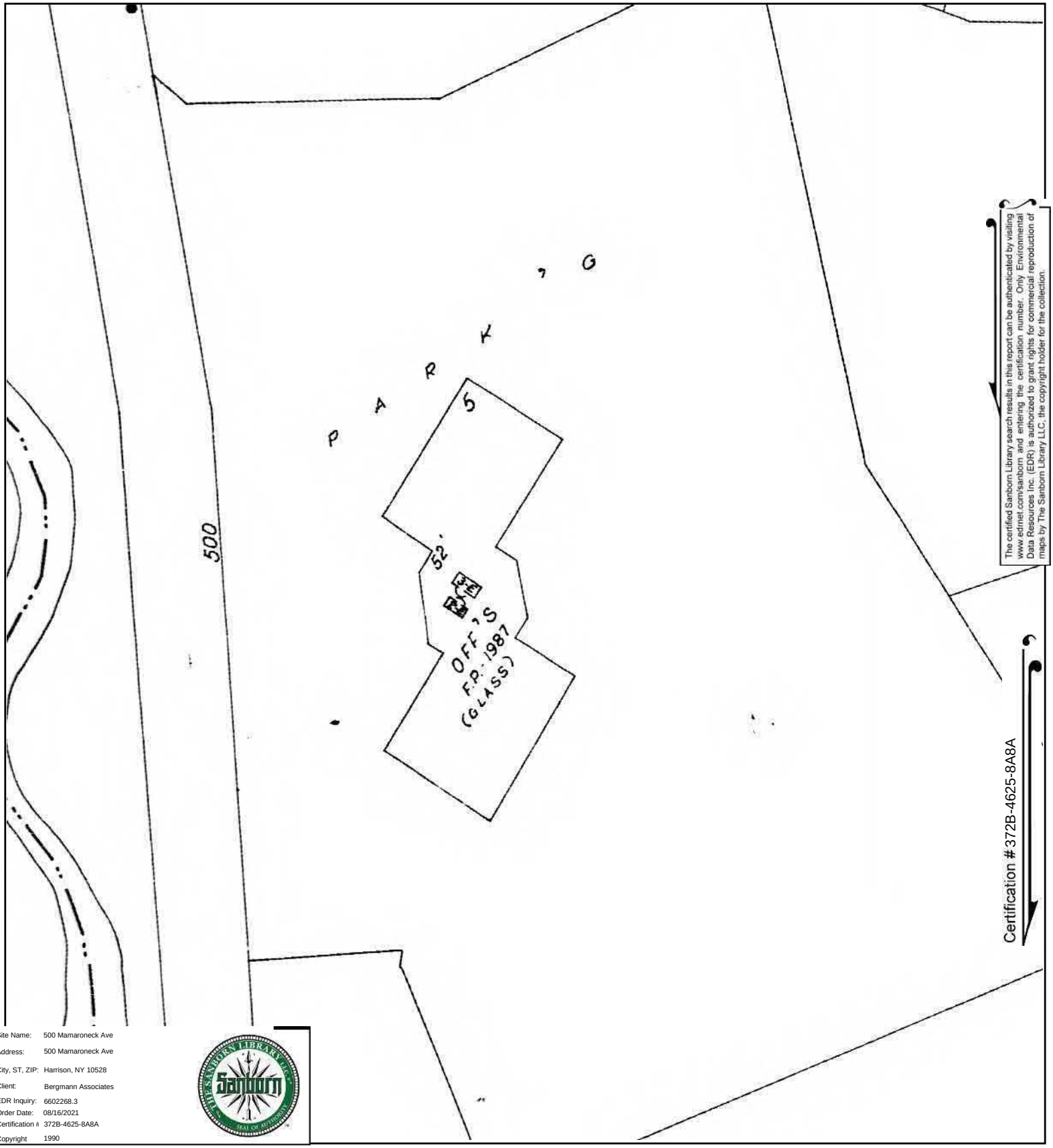
1990



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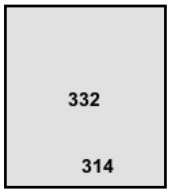

Volume 1, Sheet 332
Volume 1, Sheet 314

N

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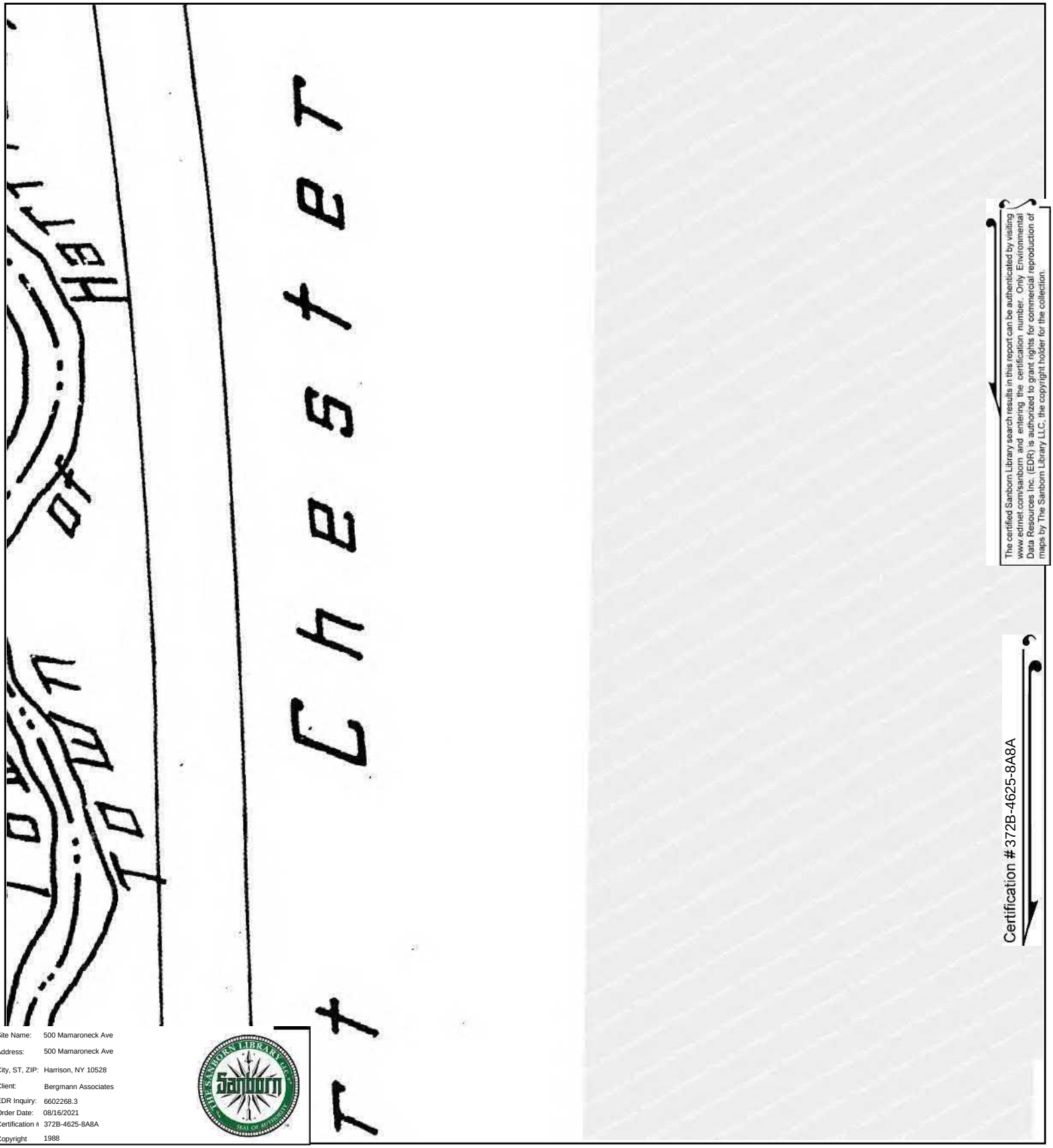
1988



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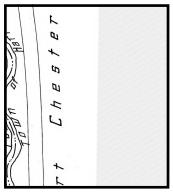
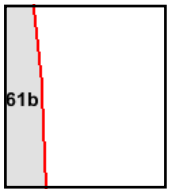


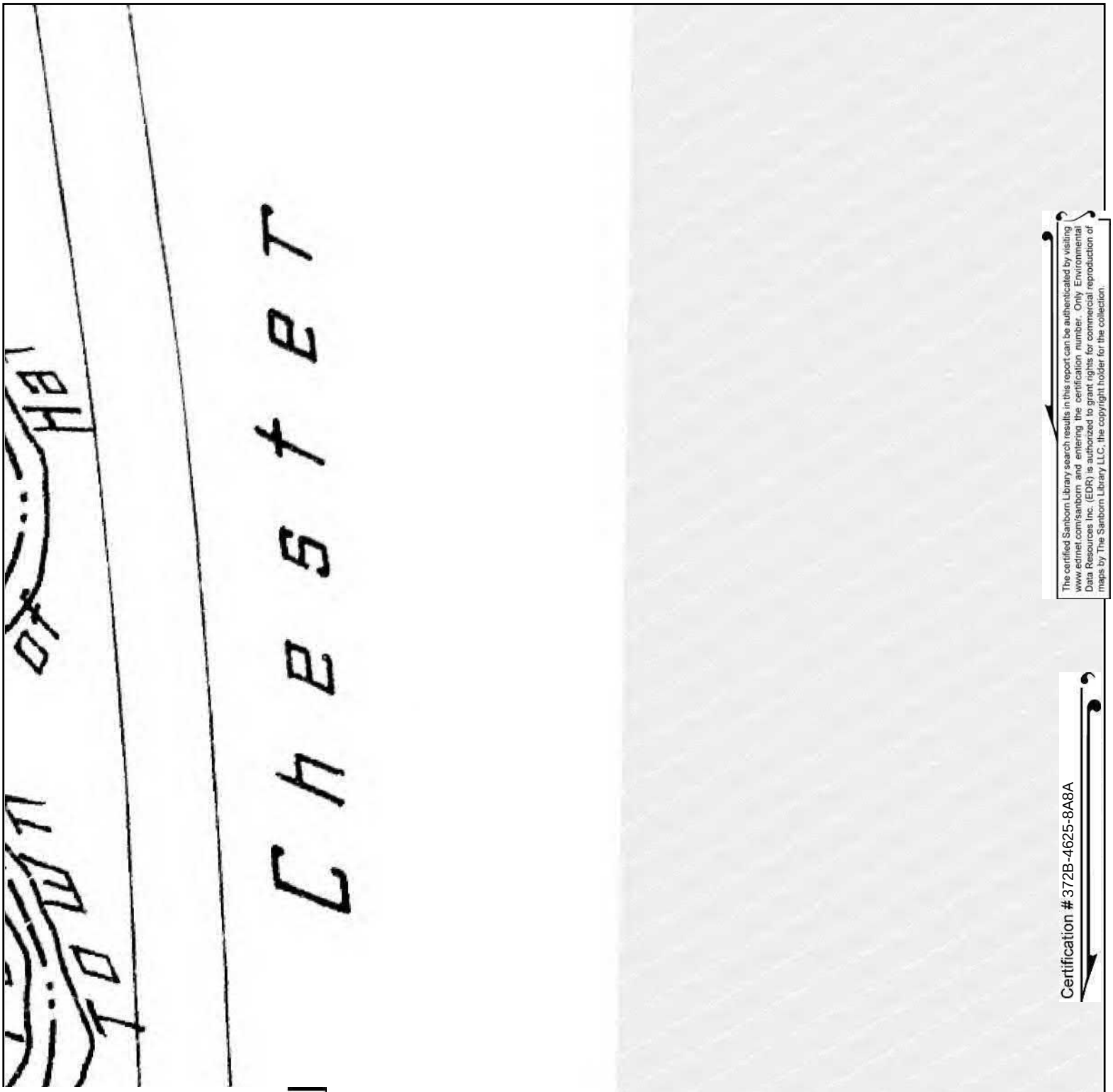


Volume 1, Sheet 61b

N

Certified Sanborn® Map

1963



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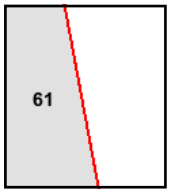

Volume 1, Sheet 61

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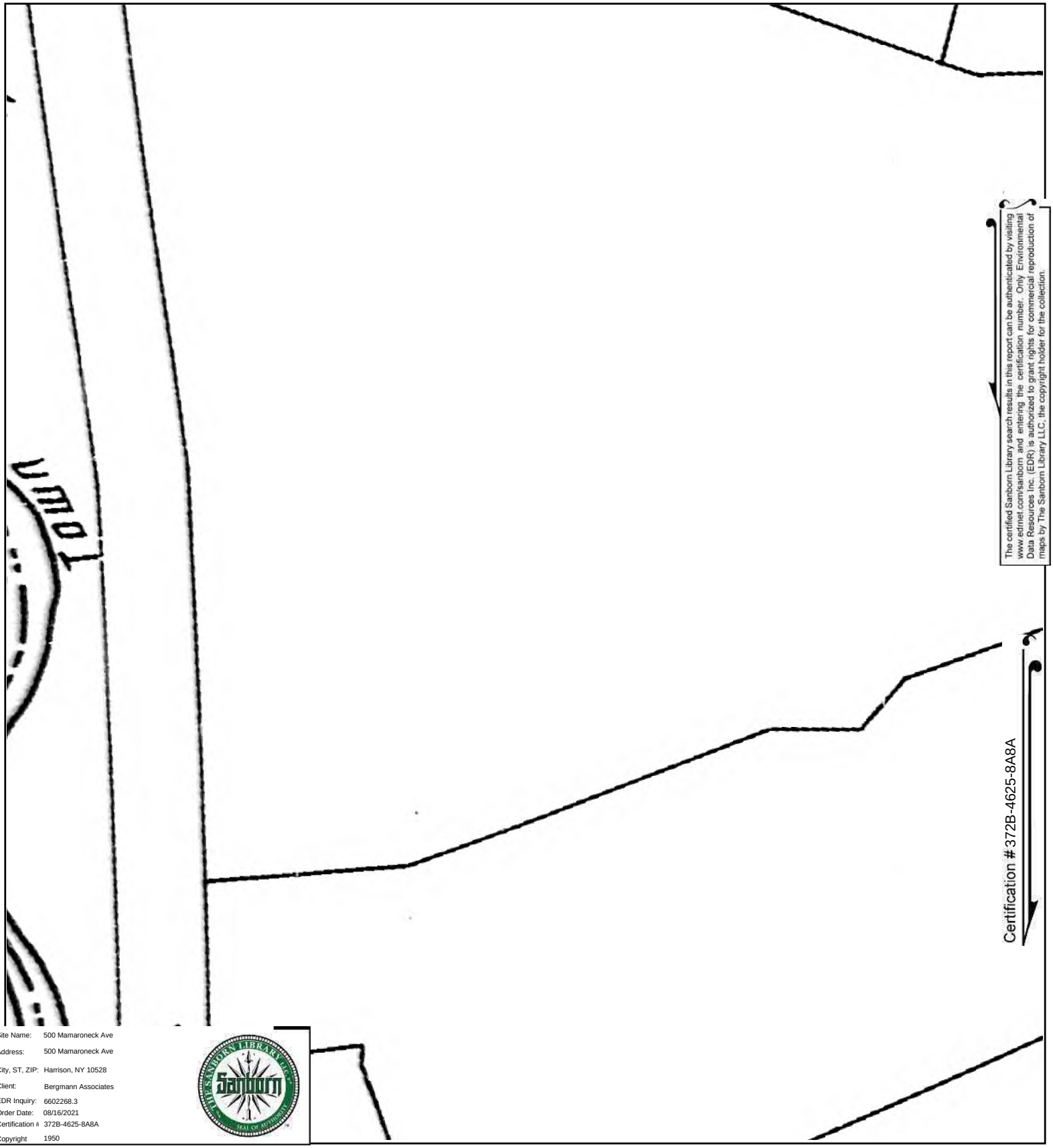
1950



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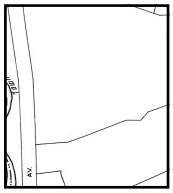
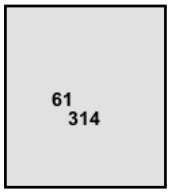


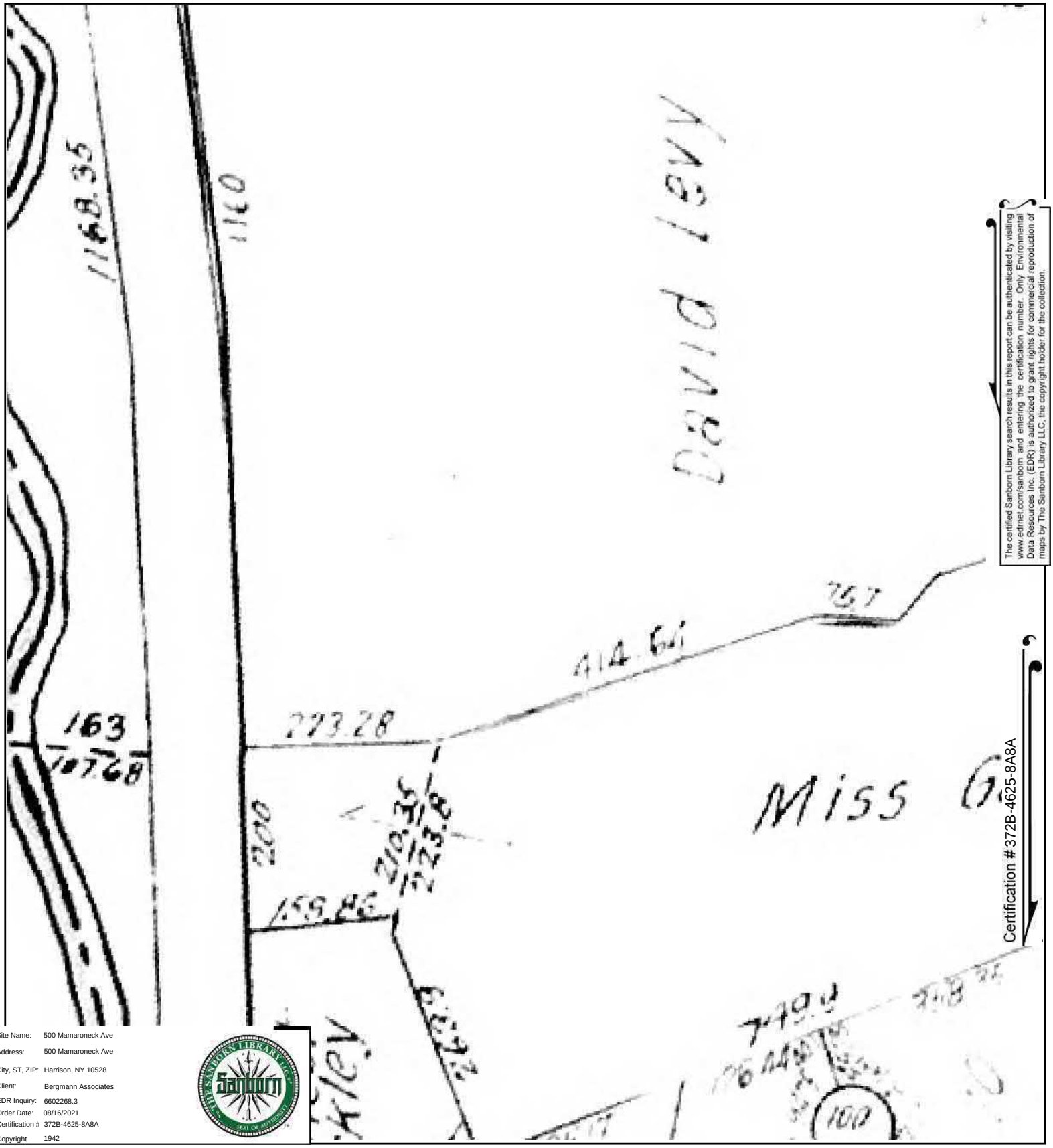


Volume 1, Sheet 61
Volume 1, Sheet 314

N

Certified Sanborn® Map

1942



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Copyright	1942

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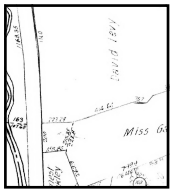

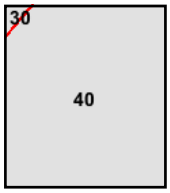

Volume 1, Sheet 40

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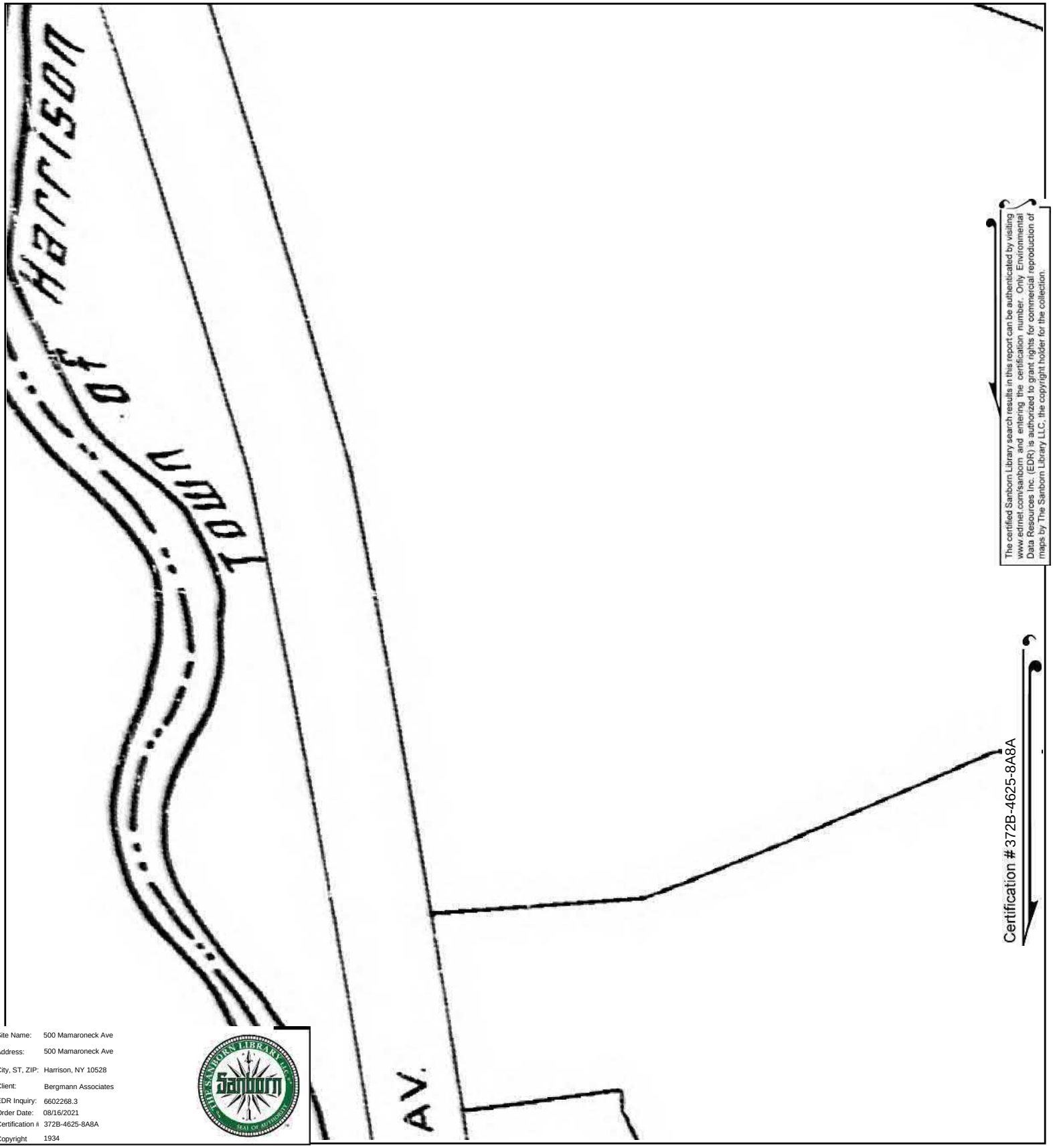
1934



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Copyright	1934

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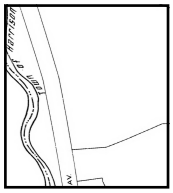


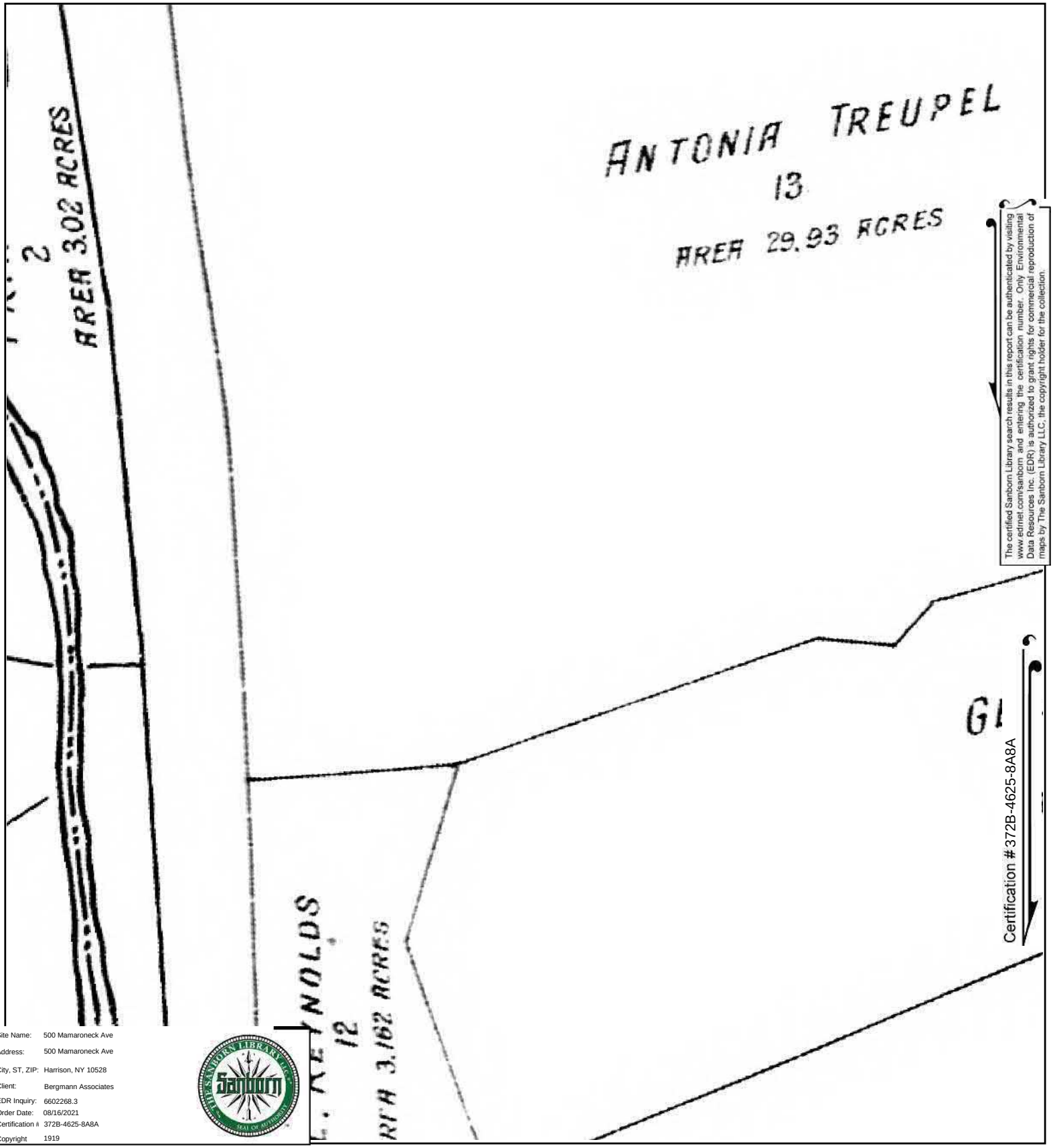
61 314

Volume 1, Sheet 61
Volume 1, Sheet 314

N

Certified Sanborn® Map

1919



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Address:	500 Mamaroneck Ave
City, ST, ZIP:	Harrison, NY 10528
Client:	Bergmann Associates
EDR Inquiry:	6602268.3
Order Date:	08/16/2021
Certification #	372B-4625-8A8A
Copyright	1919

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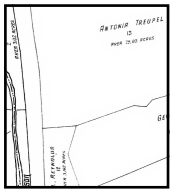

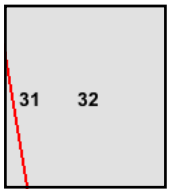

Volume 1, Sheet 32
Volume 1, Sheet 31

N

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6602268.3

August 16, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/16/21

Site Name:	Client Name:
500 Mamaroneck Ave	Bergmann Associates
500 Mamaroneck Ave	280 East Broad Street, Suite 200
Harrison, NY 10528	Rochester, NY 14604
EDR Inquiry # 6602268.3	Contact: Skylar Francis

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Certified Sanborn Results:

Certification # 372B-4625-8A8A

PO # 14064.10

Project Mamaroneck Av

Maps Provided:

2003	1963
1996	1950
1995	1942
1994	1934
1993	1919
1992	
1990	
1988	

Sanborn® Library search results

Certification #: 372B-4625-8A8A

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
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Sanborn Sheet Key

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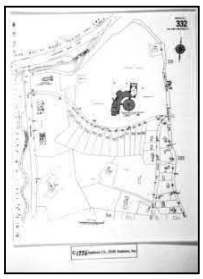
2003 Source Sheets

Volume 1, Sheet 332
2003

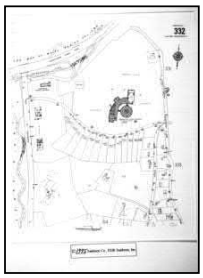
Volume 1, Sheet 61b
2003

1996 Source Sheets



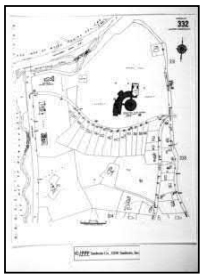
Volume 1, Sheet 332
1996

1995 Source Sheets



Volume 1, Sheet 332
1995

1994 Source Sheets



Volume 1, Sheet 332
1994

Sanborn Sheet Key

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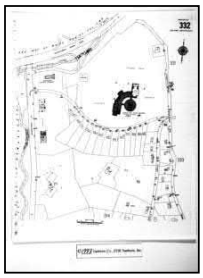
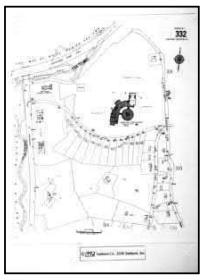
1993 Source Sheets



Volume 1, Sheet 332
1993

1992 Source Sheets

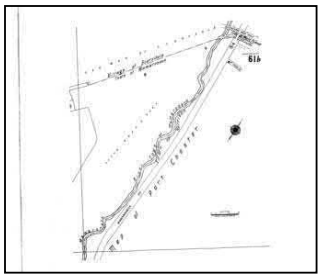


Volume 1, Sheet 332
1992

1990 Source Sheets

Volume 1, Sheet 332
1990

1988 Source Sheets



Volume 1, Sheet 61b
1988

Sanborn Sheet Key

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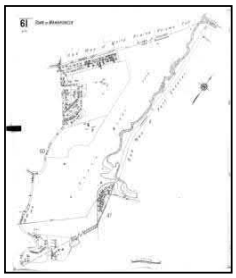
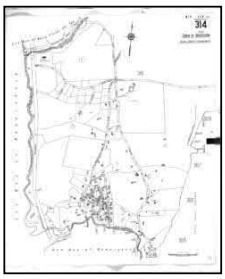
1963 Source Sheets



Volume 1, Sheet 61
1963

1950 Source Sheets

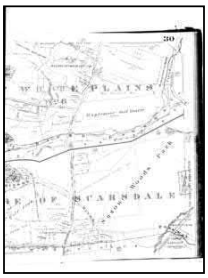
Volume 1, Sheet 61
1950



Volume 1, Sheet 314
1950

1942 Source Sheets

Volume 1, Sheet 40
1942



Volume 2, Sheet 30
1942

1934 Source Sheets

Volume 1, Sheet 314
1934

Volume 1, Sheet 61
1934

Sanborn Sheet Key

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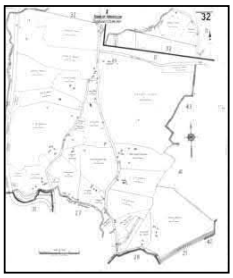
1919 Source Sheets

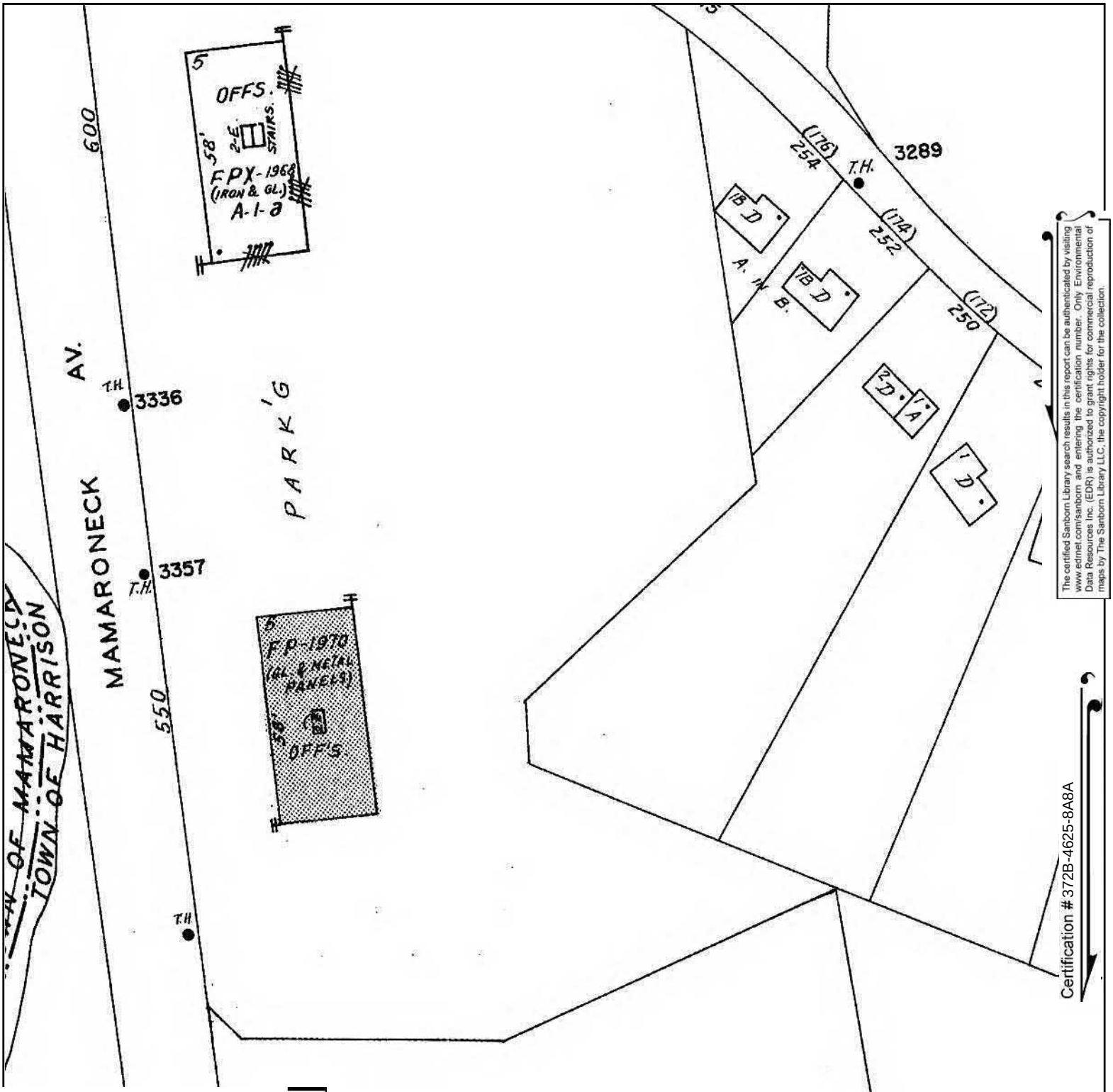
Volume 1, Sheet 31
1919



Volume 1, Sheet 32
1919

Certified Sanborn® Map

2003



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City, ST, ZIP:	Harrison, NY 10528
Client:	Bergmann Associates
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Order Date:	08/16/2021
Certification #	372B-4625-8A8A
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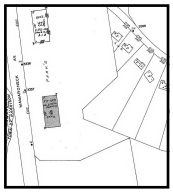
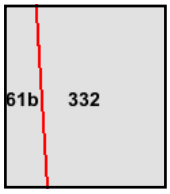


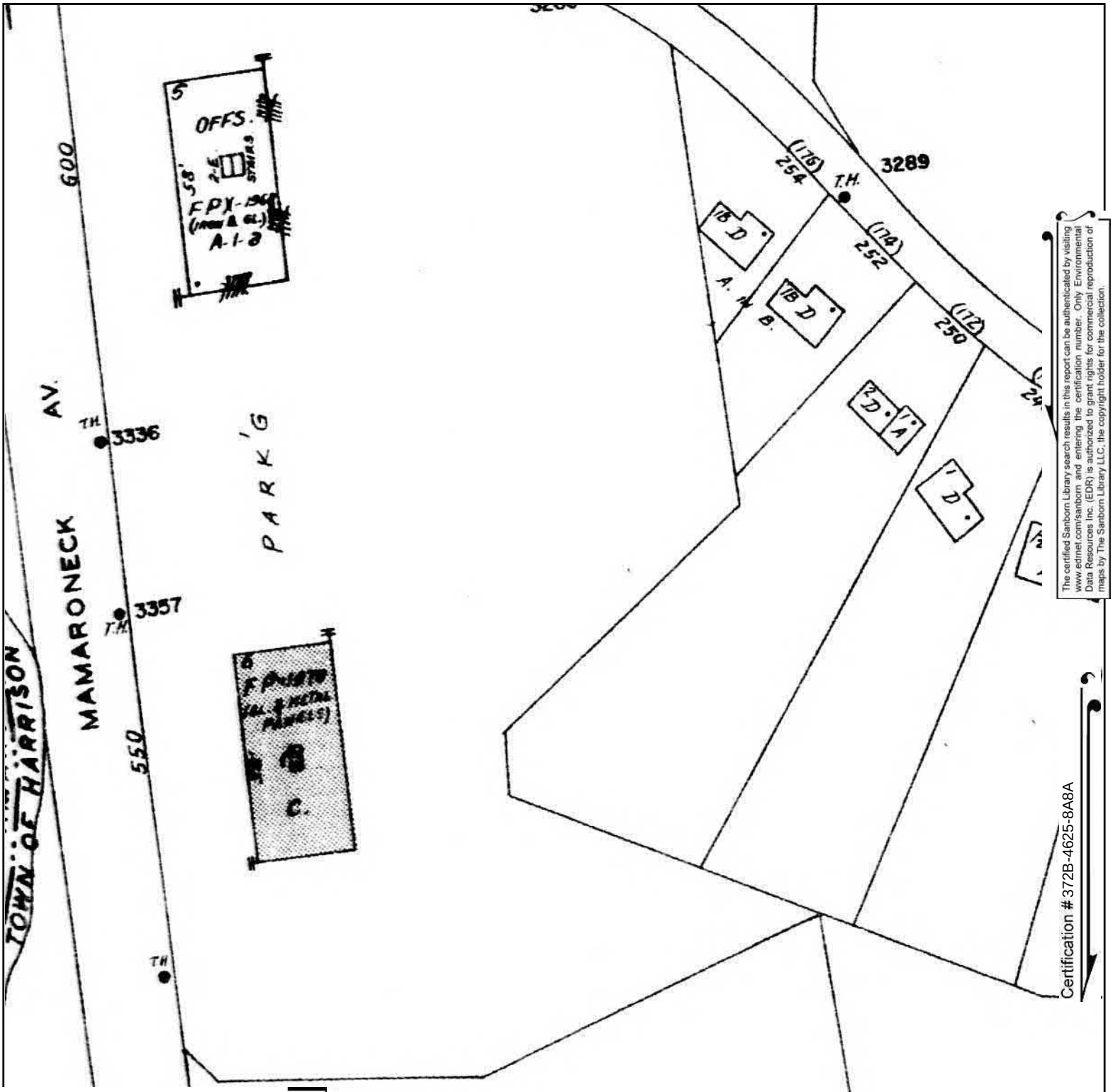


Volume 1, Sheet 61b
Volume 1, Sheet 332

N

Certified Sanborn® Map

1996



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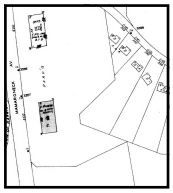
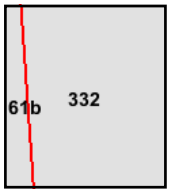


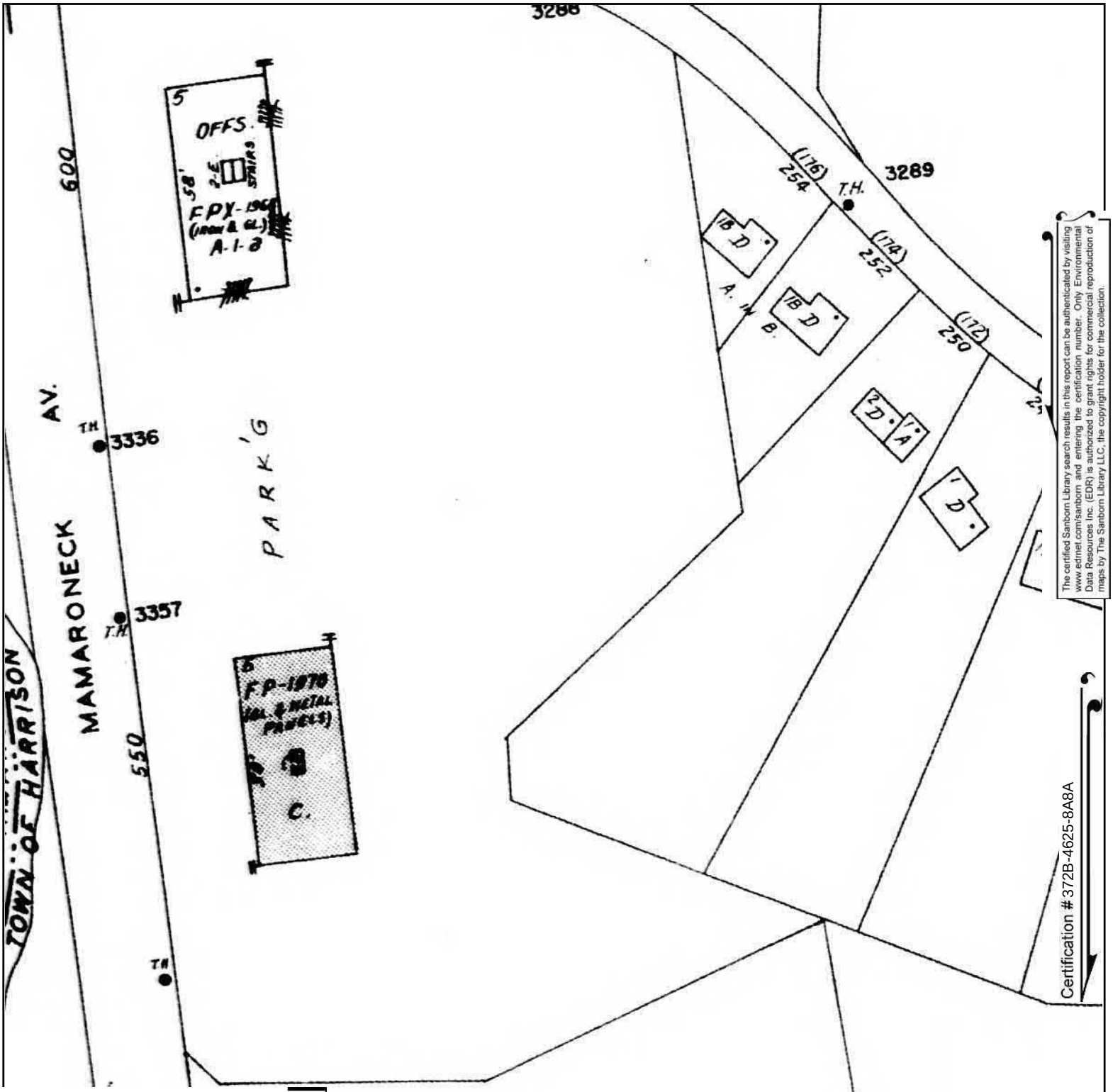


Volume 1, Sheet 332

N

Certified Sanborn® Map

1995



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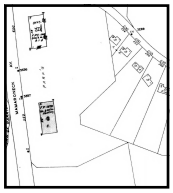

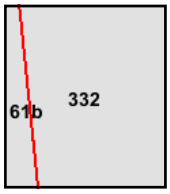

Volume 1, Sheet 332

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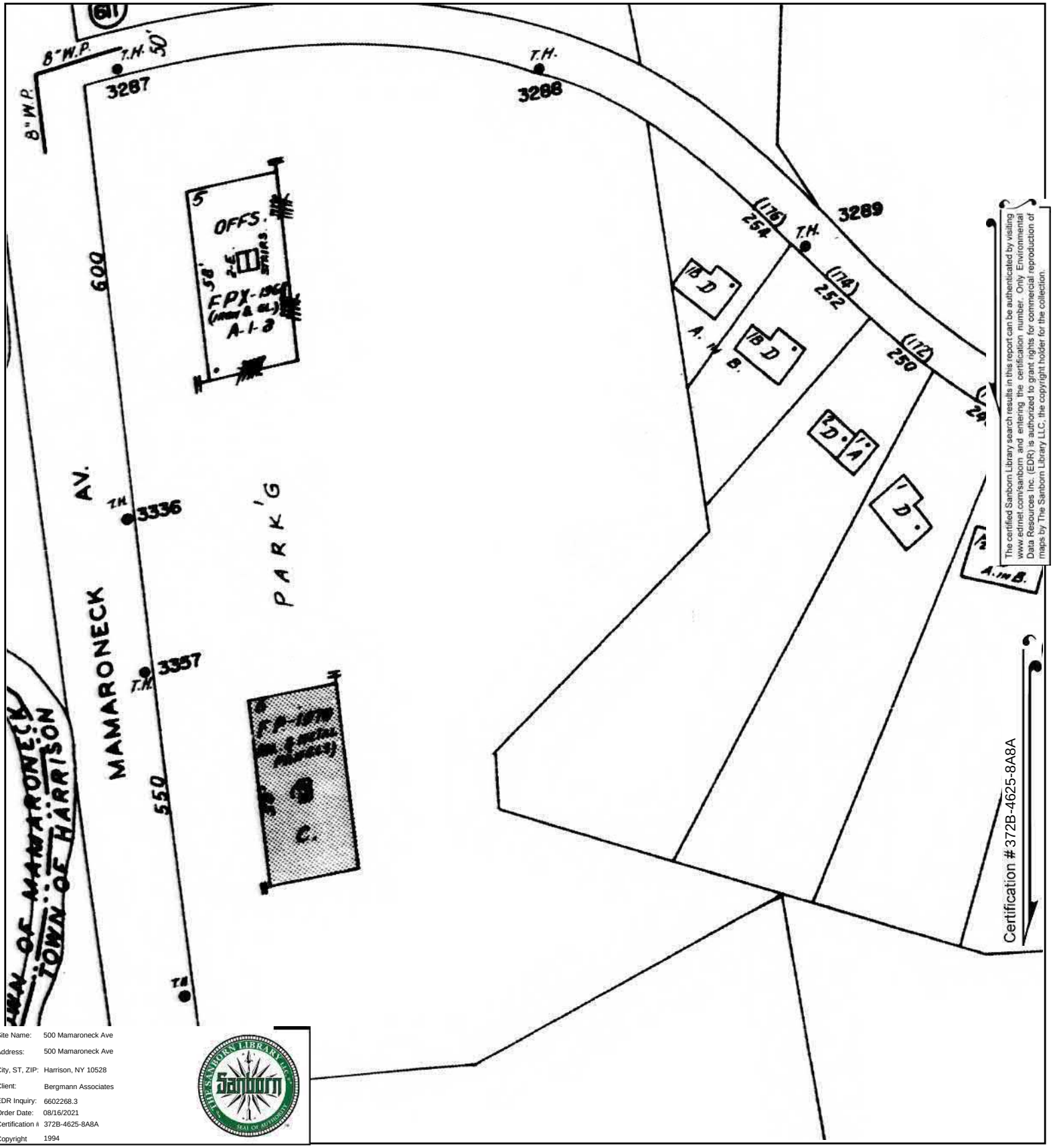
Certified Sanborn® Map

1994



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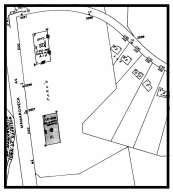

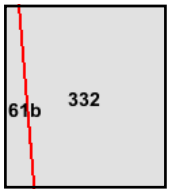

Volume 1, Sheet 332

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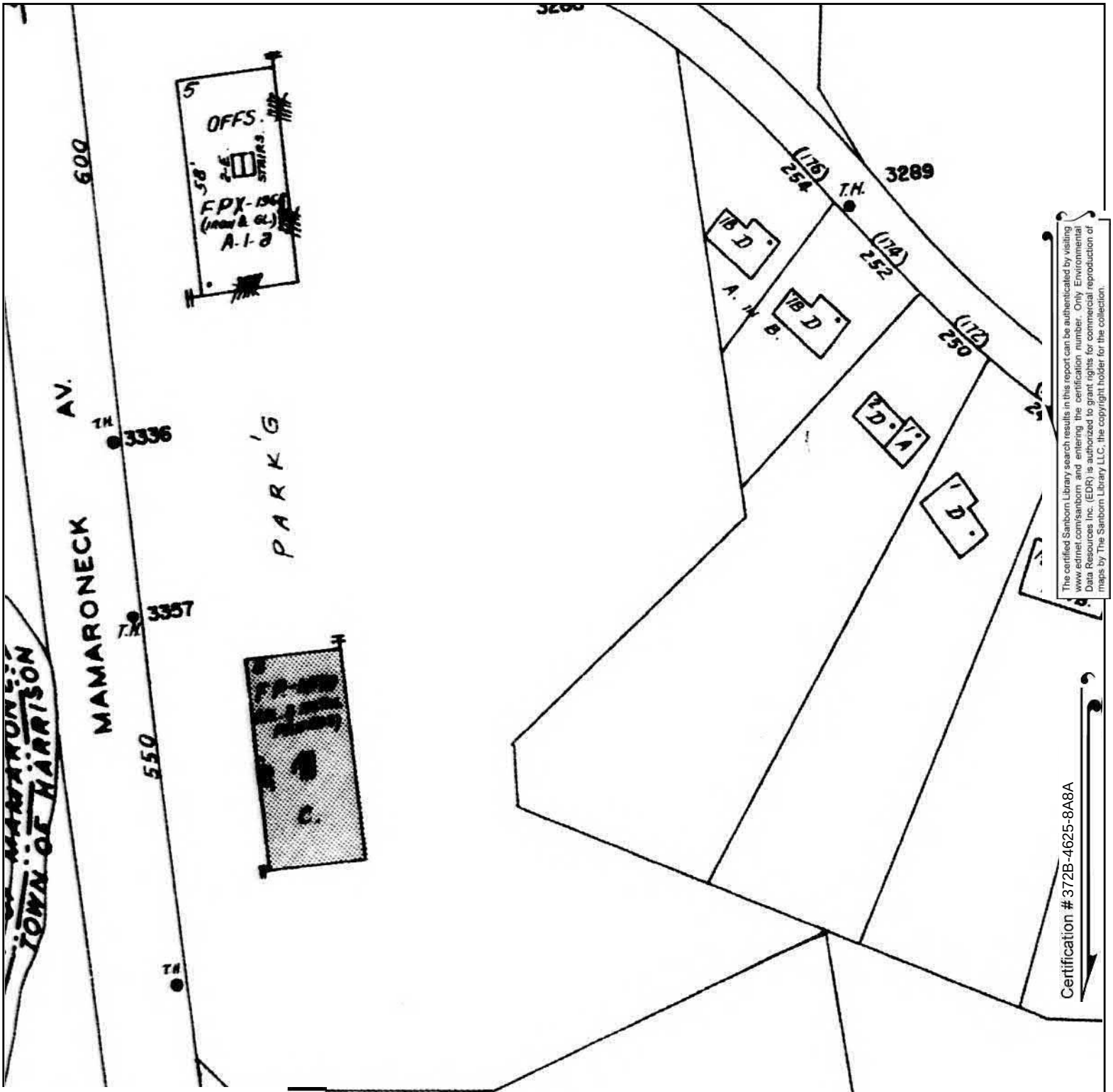
Certified Sanborn® Map

1993



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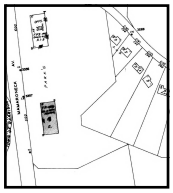

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Volume 1, Sheet 332

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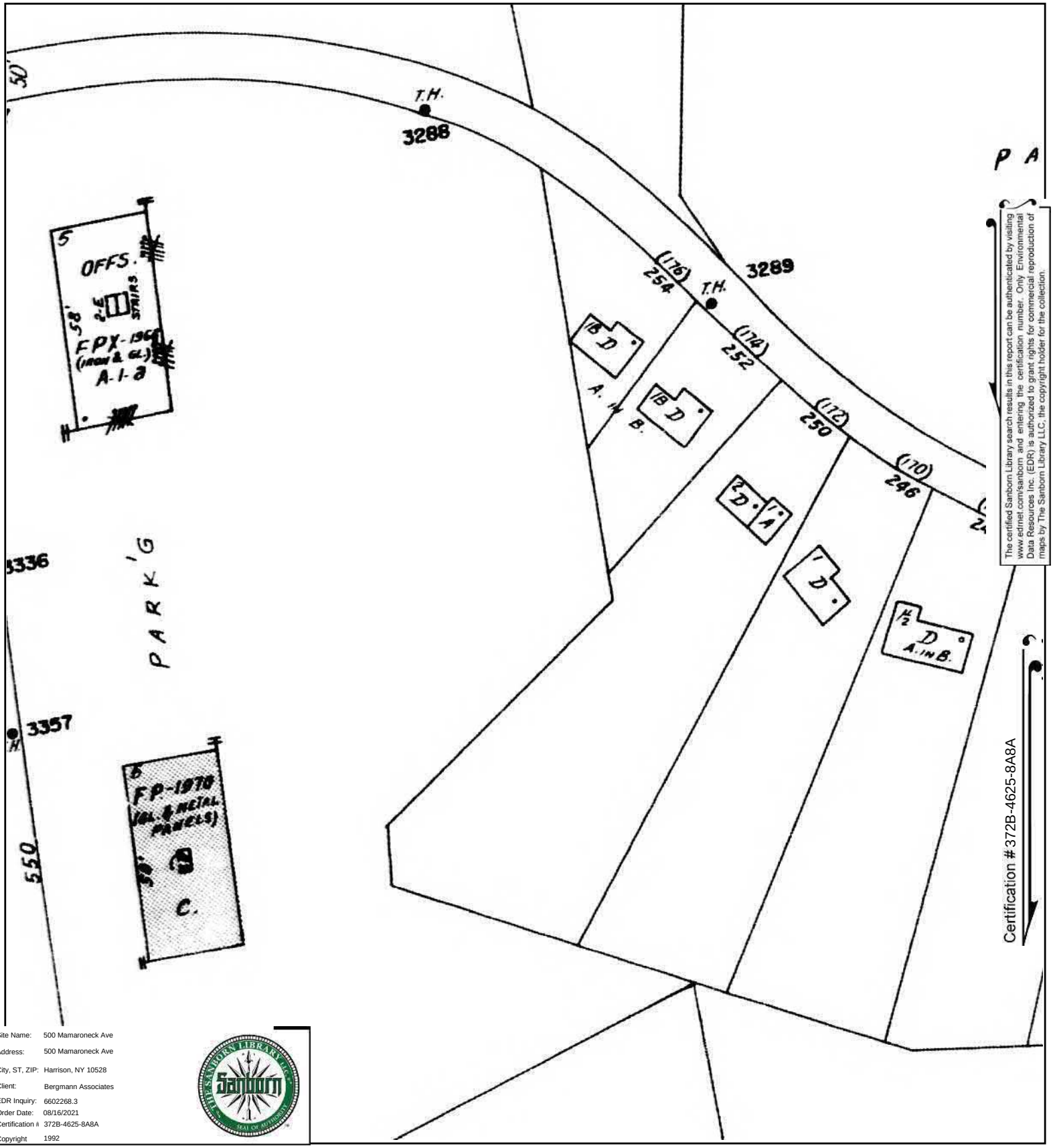
Certified Sanborn® Map

1992



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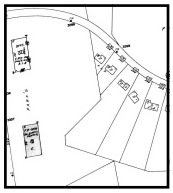

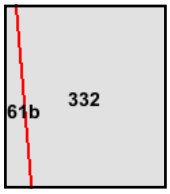

Volume 1, Sheet 332

N

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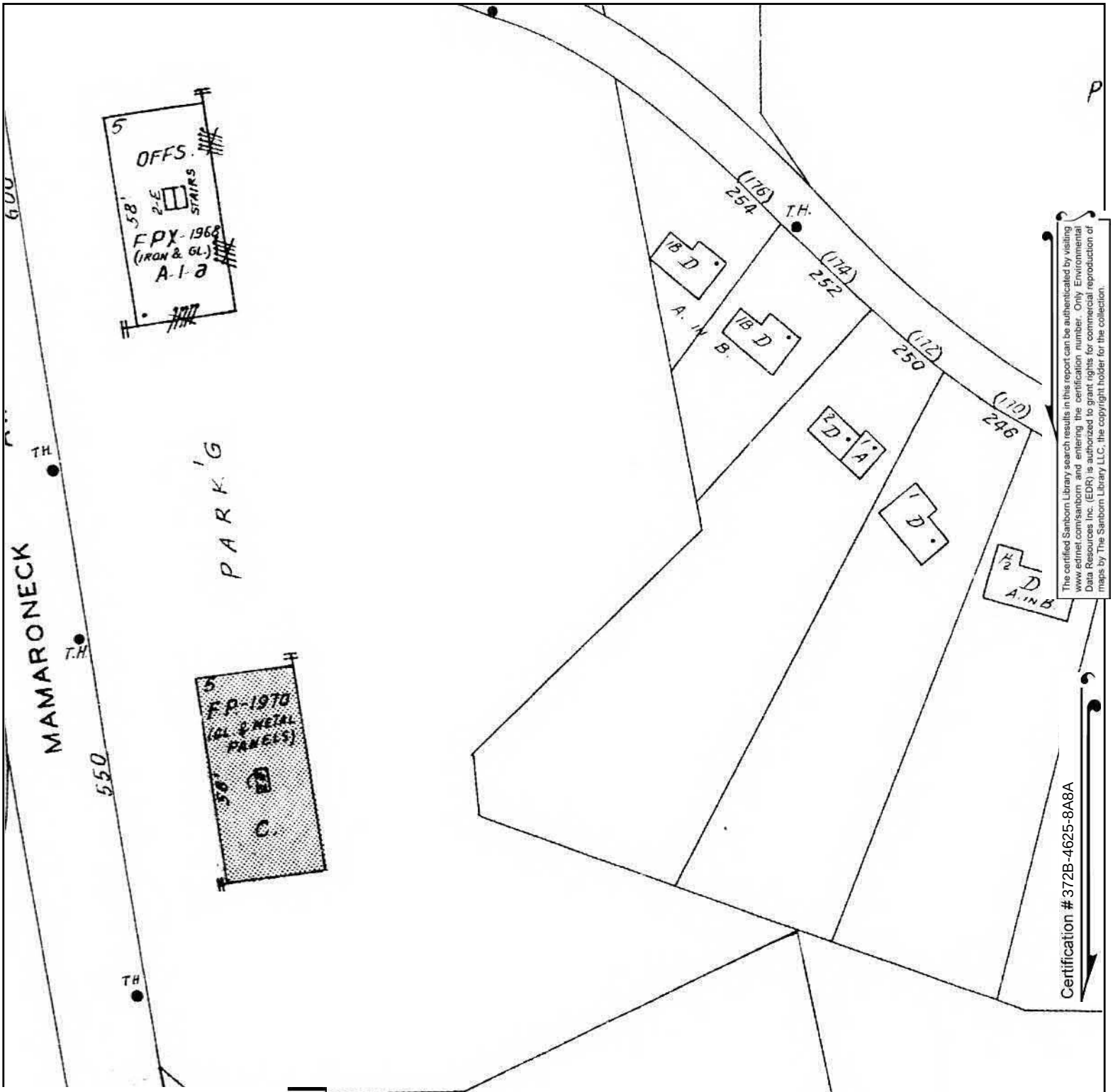
1990



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Copyright	1990

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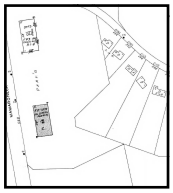


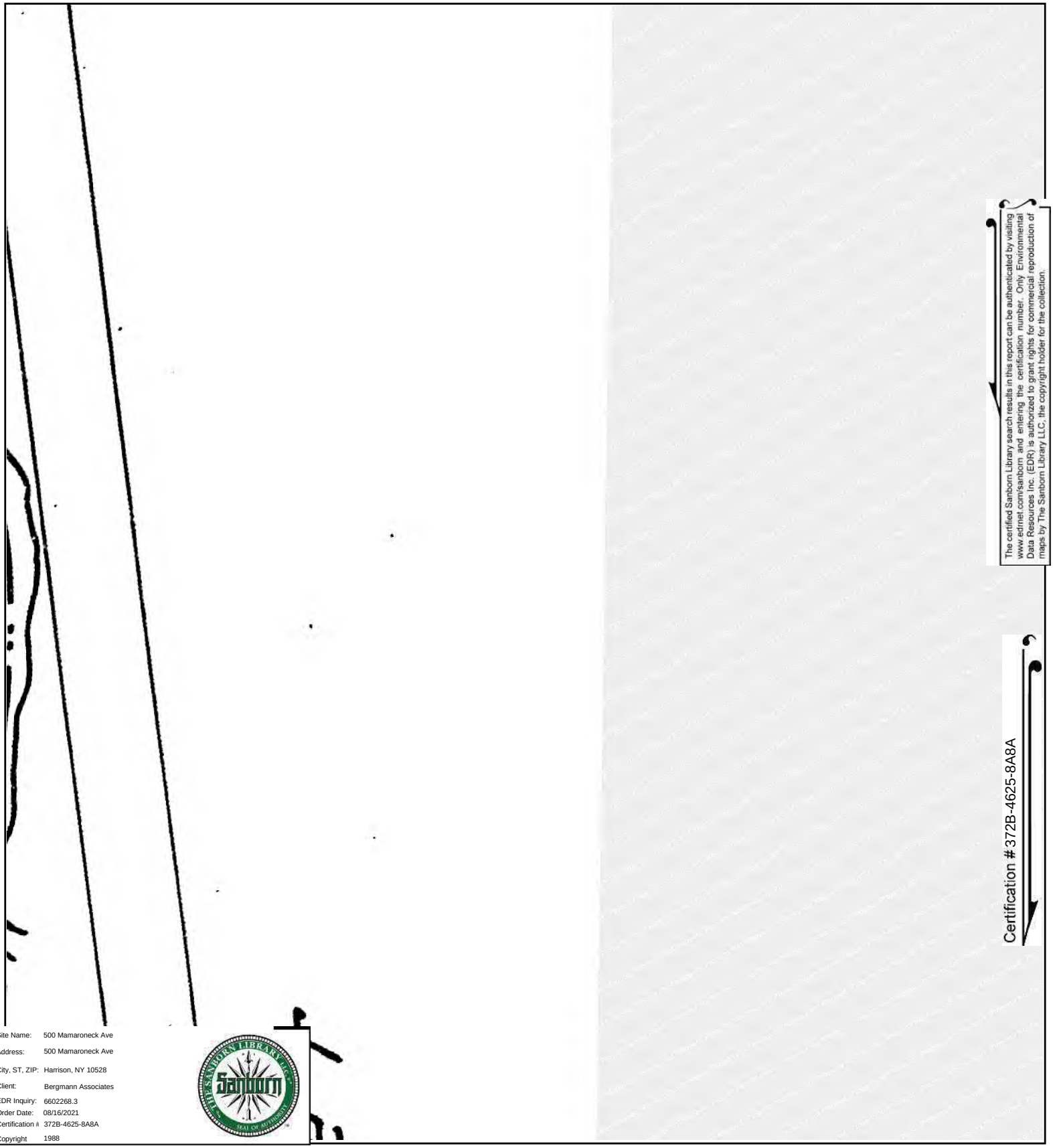
332

Volume 1, Sheet 332

N

Certified Sanborn® Map

1988



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Order Date: 08/16/2021
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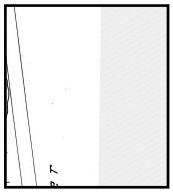

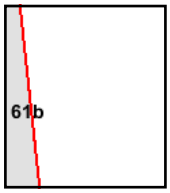

Volume 1, Sheet 61b

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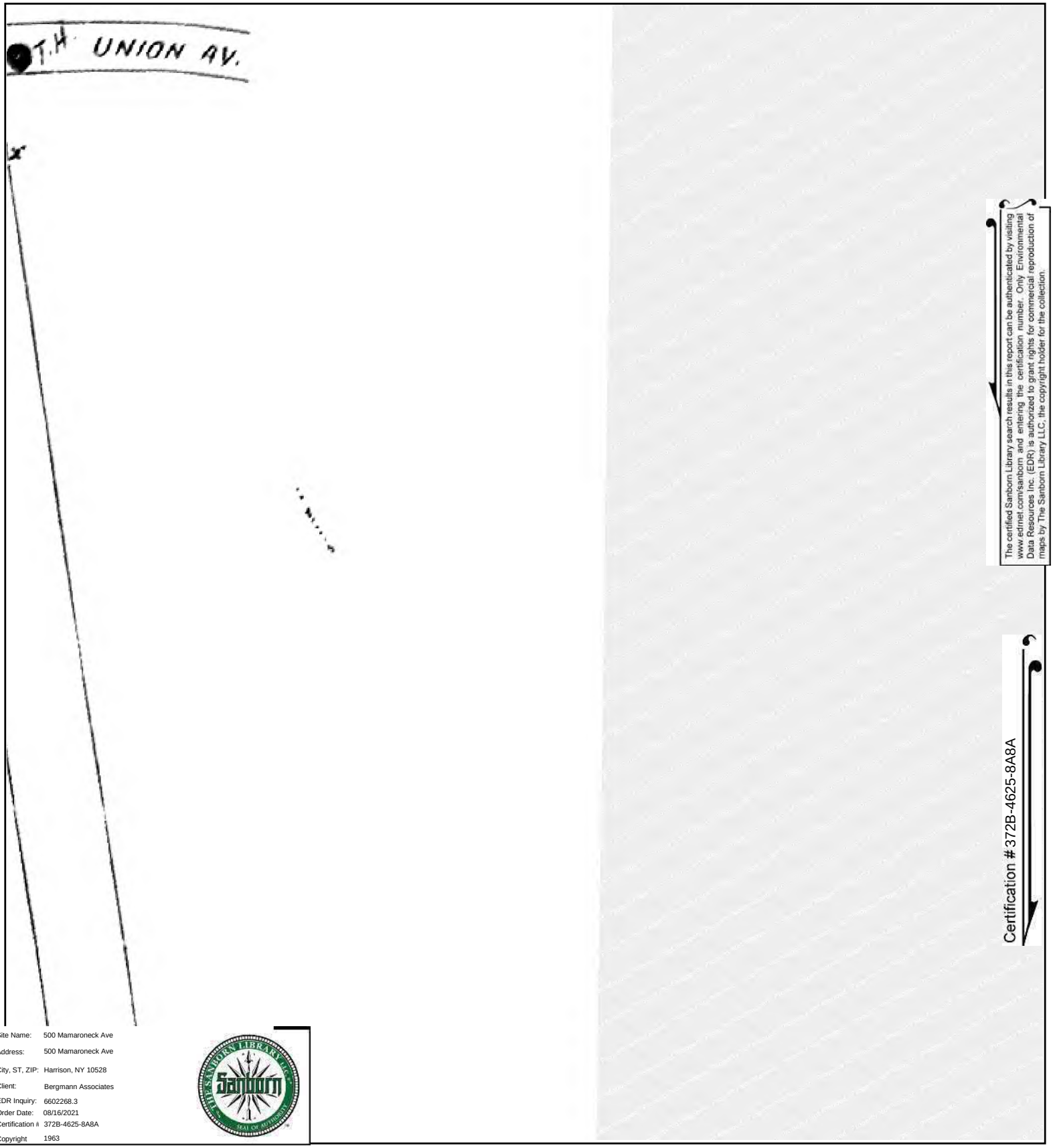

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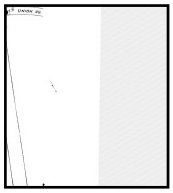
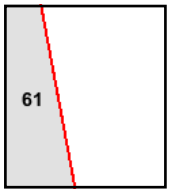


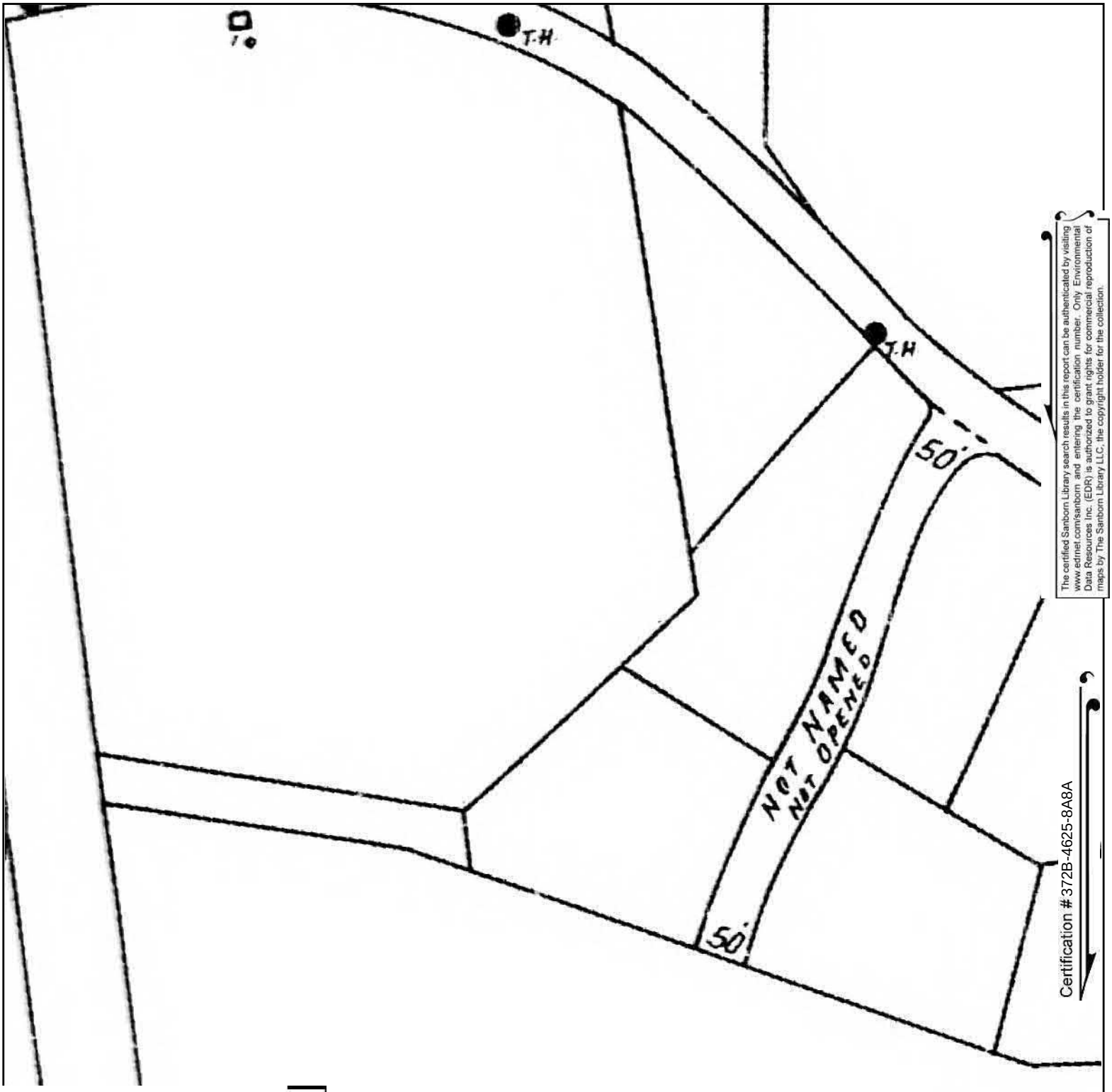


Volume 1, Sheet 61

N

Certified Sanborn® Map

1950



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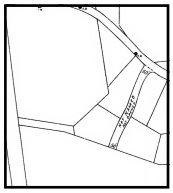
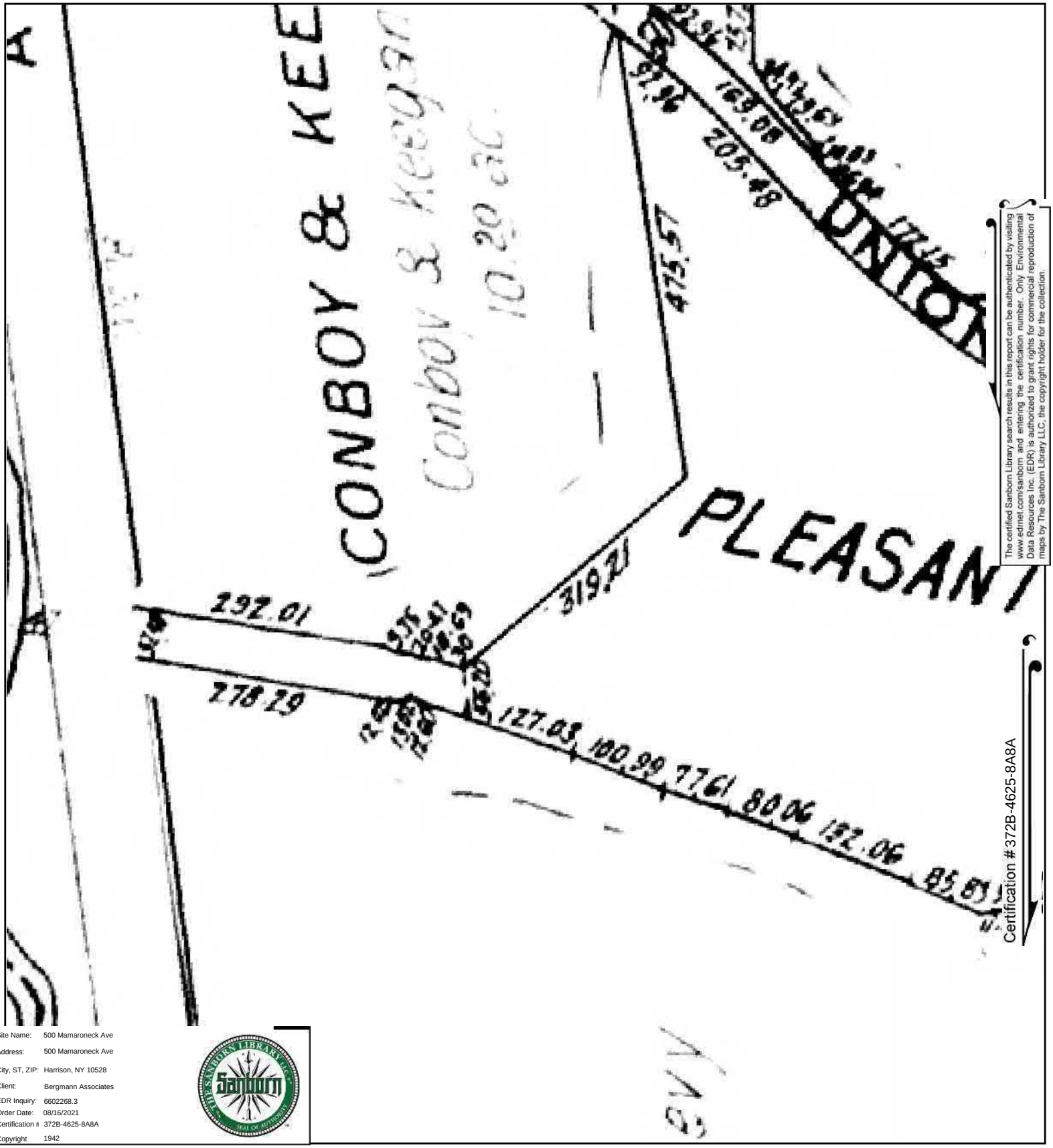


61 314

Volume 1, Sheet 314
Volume 1, Sheet 61

N

Certified Sanborn® Map



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Copyright	1942

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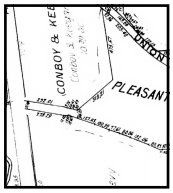

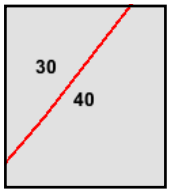

Volume 2, Sheet 30
Volume 1, Sheet 40

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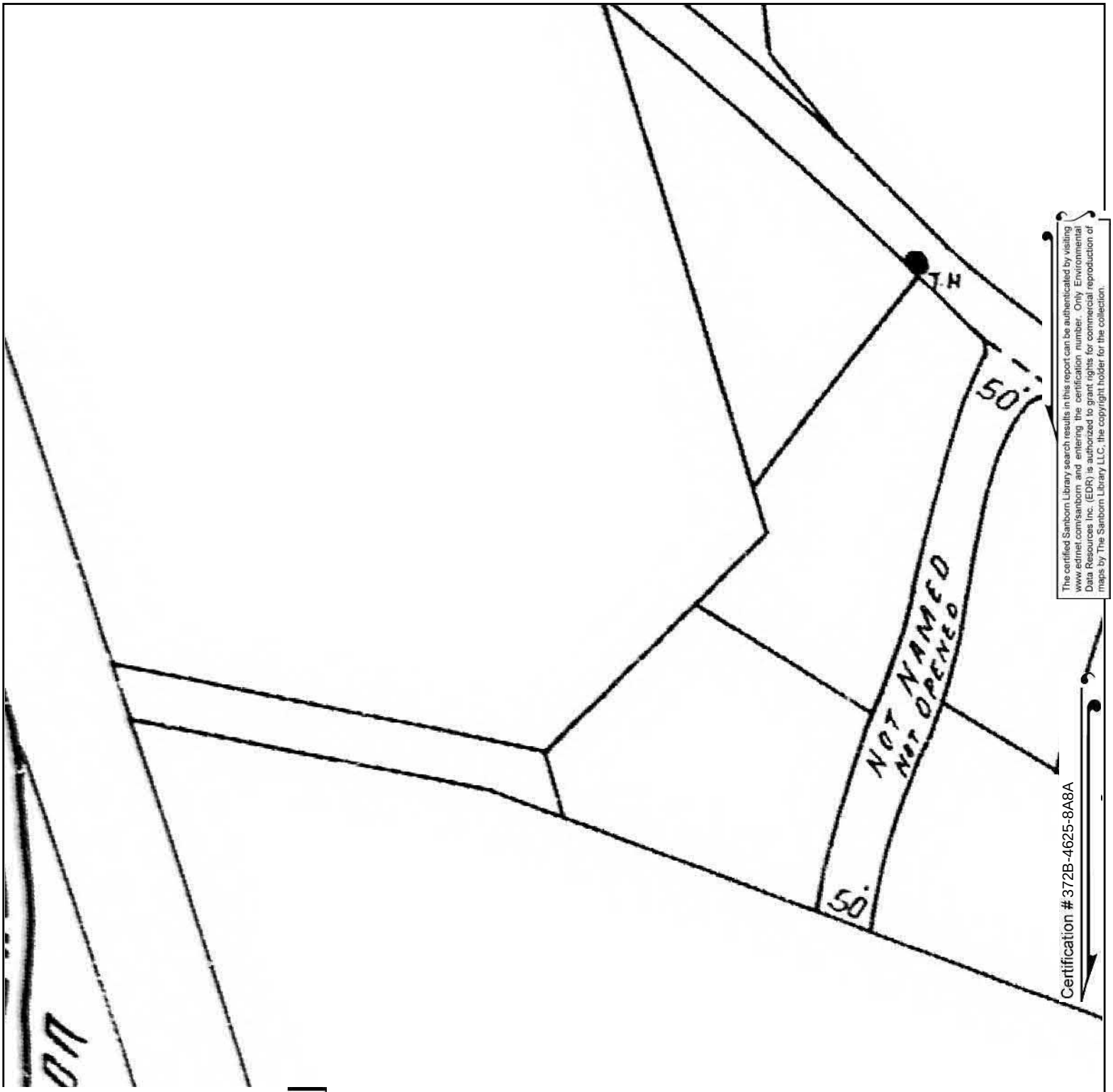
Certified Sanborn® Map

1934



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Copyright	1934

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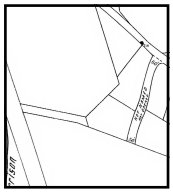


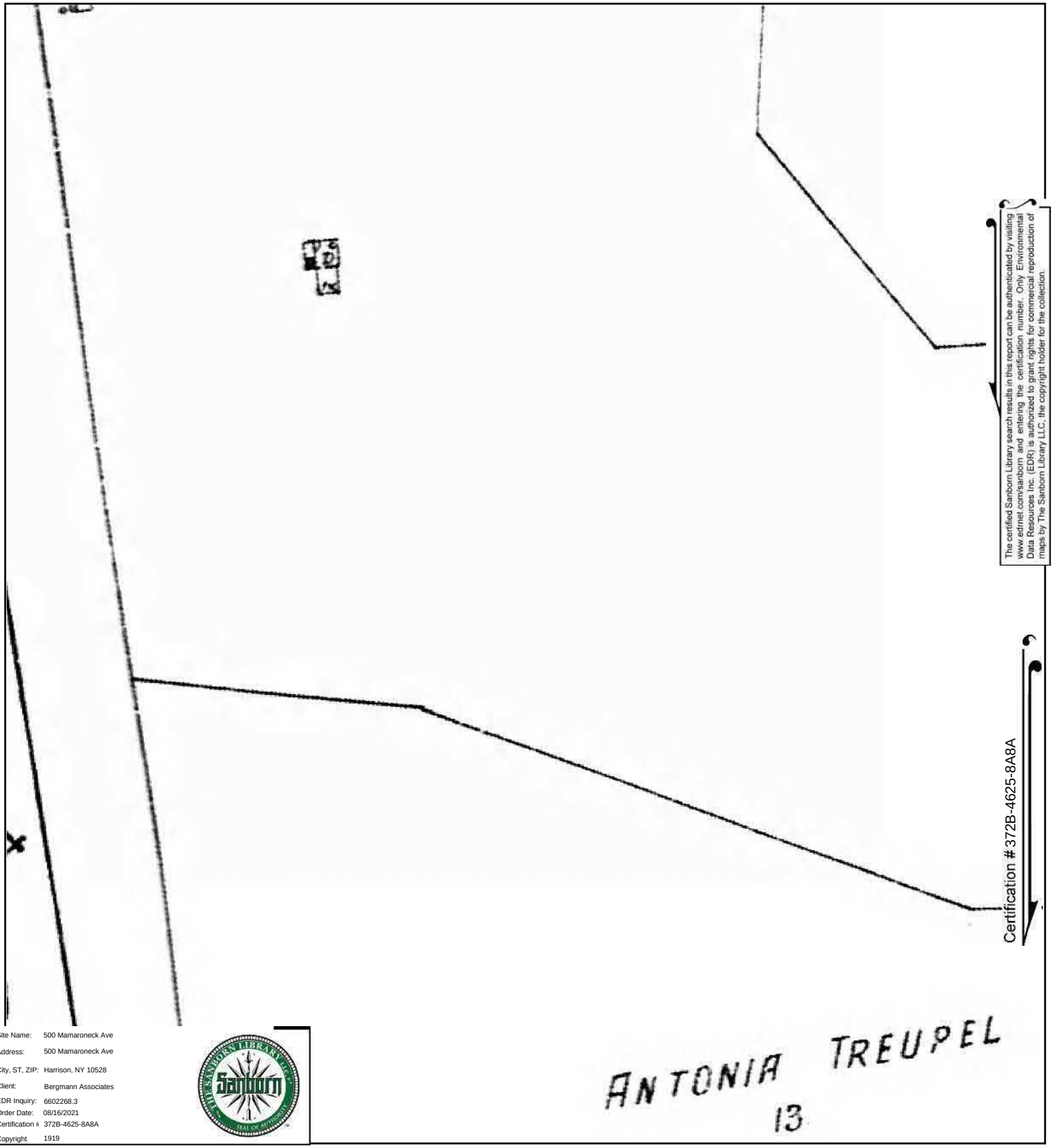
61 314

Volume 1, Sheet 61
Volume 1, Sheet 314

N

Certified Sanborn® Map

1919



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Certification #	372B-4625-8A8A
Copyright	1919

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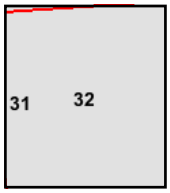

Volume 1, Sheet 32
Volume 1, Sheet 31

N

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6602268.3

August 16, 2021

Certified Sanborn® Map Report

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Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/16/21

Site Name:	Client Name:
500 Mamaroneck Ave	Bergmann Associates
500 Mamaroneck Ave	280 East Broad Street, Suite 200
Harrison, NY 10528	Rochester, NY 14604
EDR Inquiry # 6602268.3	Contact: Skylar Francis

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Certified Sanborn Results:

Certification # 372B-4625-8A8A

PO # 14064.10

Project Mamaroneck Av

Maps Provided:

2003	1942
1996	1934
1995	1919
1994	
1993	
1992	
1990	
1950	

Sanborn® Library search results

Certification #: 372B-4625-8A8A

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- ✔ University Publications of America
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Sanborn Sheet Key

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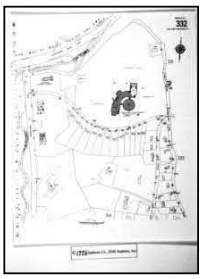
2003 Source Sheets

Volume 1, Sheet 314
2003

Volume 1, Sheet 332
2003

1996 Source Sheets

Volume 1, Sheet 314
1996



Volume 1, Sheet 332
1996

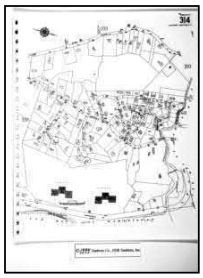
1995 Source Sheets

Volume 1, Sheet 314
1995

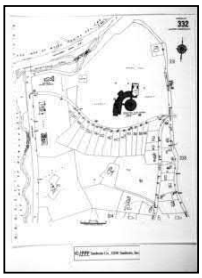
Volume 1, Sheet 332
1995

Volume 1, Sheet 333
1995

1994 Source Sheets



Volume 1, Sheet 314
1994



Volume 1, Sheet 332
1994

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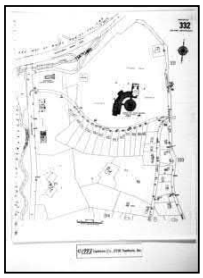
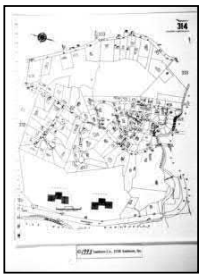
1993 Source Sheets



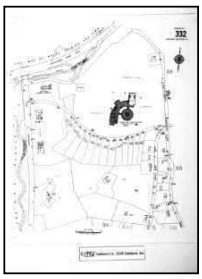
Volume 1, Sheet 332
1993



Volume 1, Sheet 314
1993

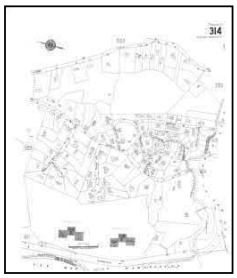
1992 Source Sheets

Volume 1, Sheet 314
1992



Volume 1, Sheet 332
1992

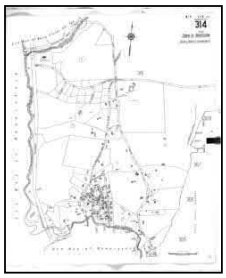
1990 Source Sheets



Volume 1, Sheet 314
1990

Volume 1, Sheet 332
1990

1950 Source Sheets



Volume 1, Sheet 314
1950

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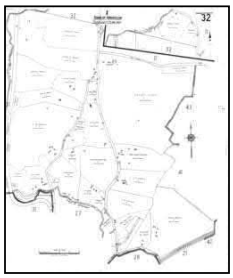
1942 Source Sheets

Volume 1, Sheet 40
1942

1934 Source Sheets

Volume 1, Sheet 314
1934

1919 Source Sheets



Volume 1, Sheet 32
1919

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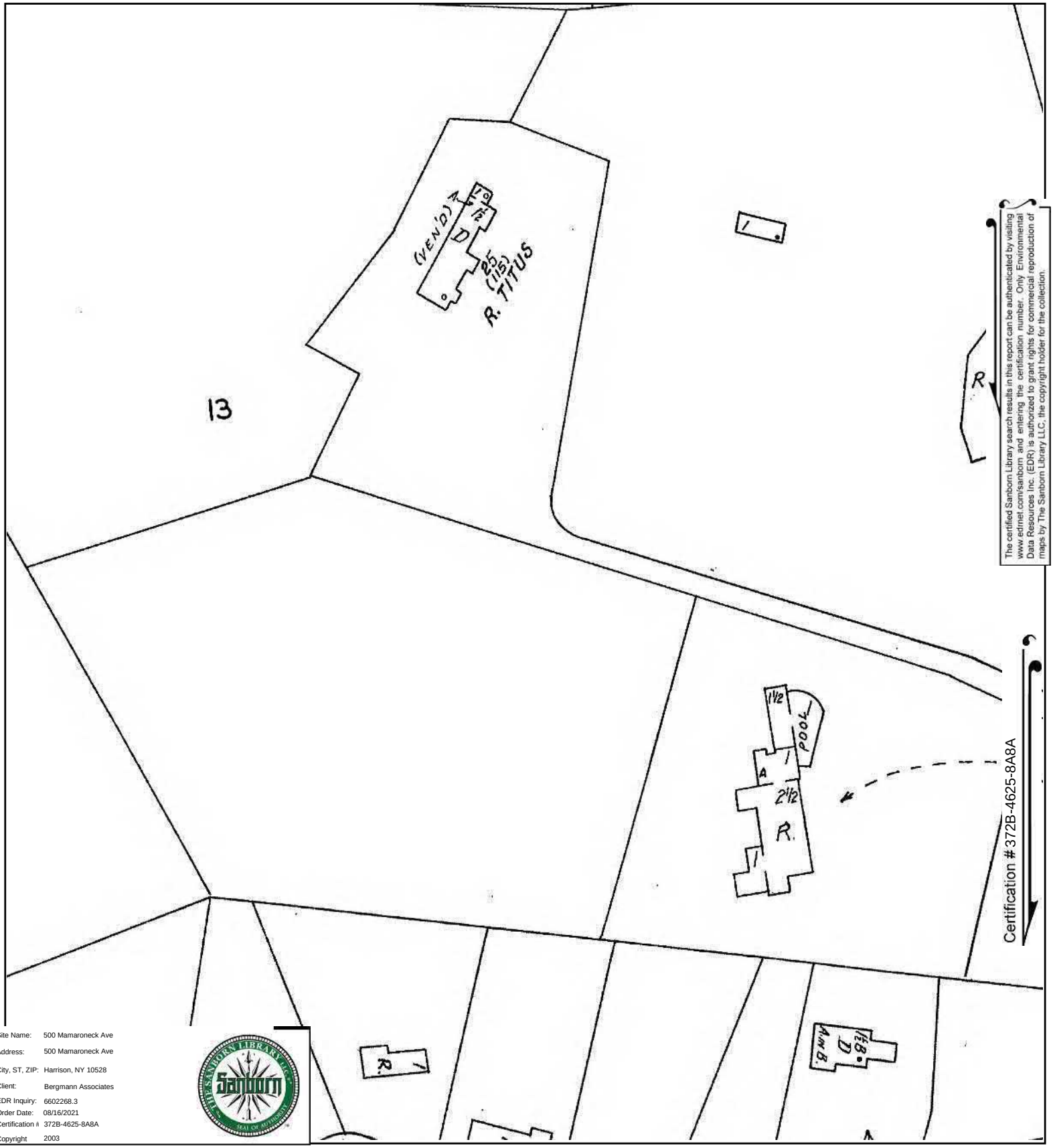
2003



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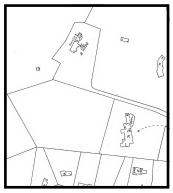

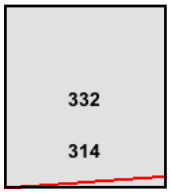

Volume 1, Sheet 332
Volume 1, Sheet 314

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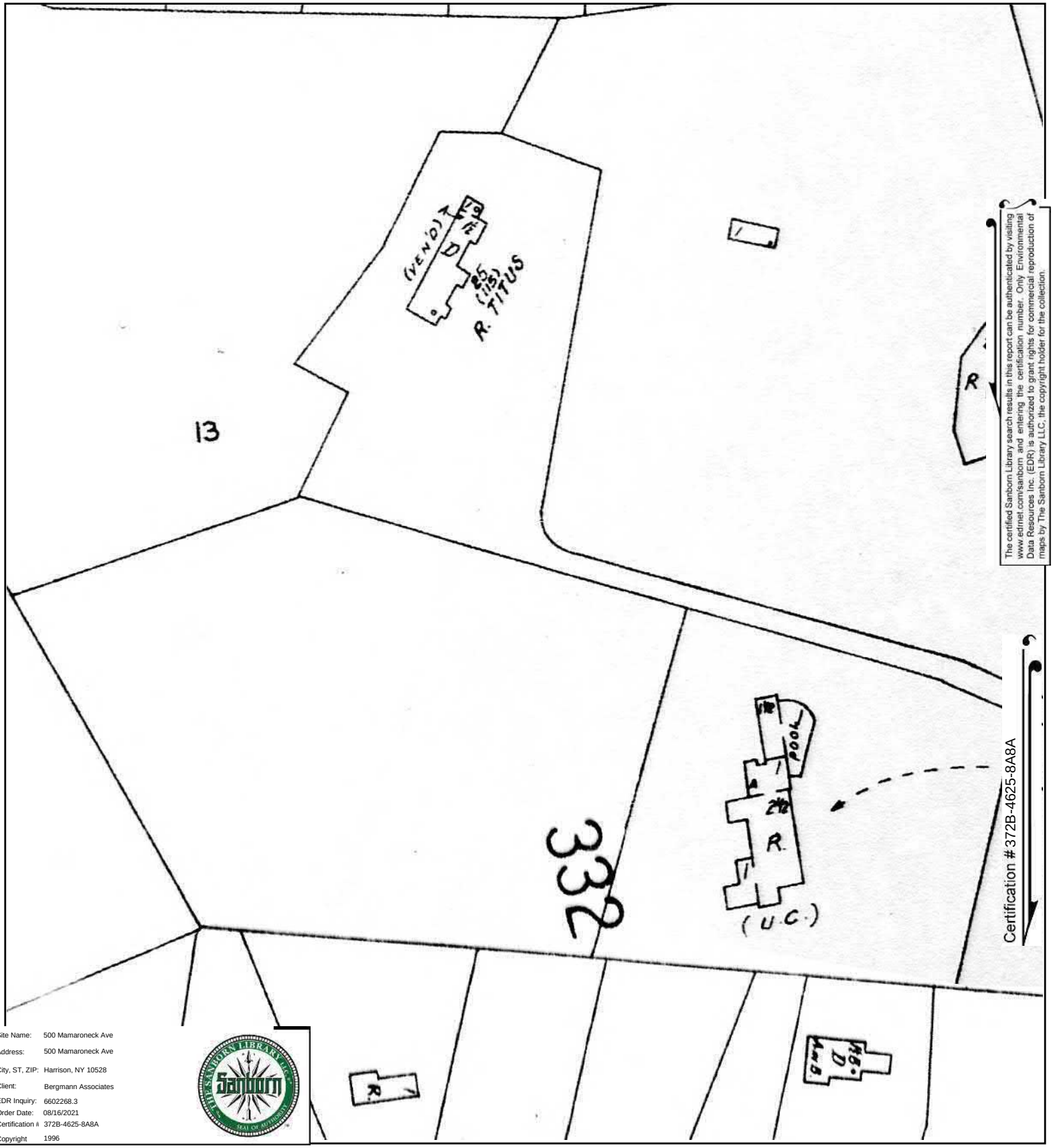
1996



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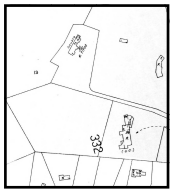

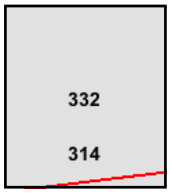

Volume 1, Sheet 332
Volume 1, Sheet 314

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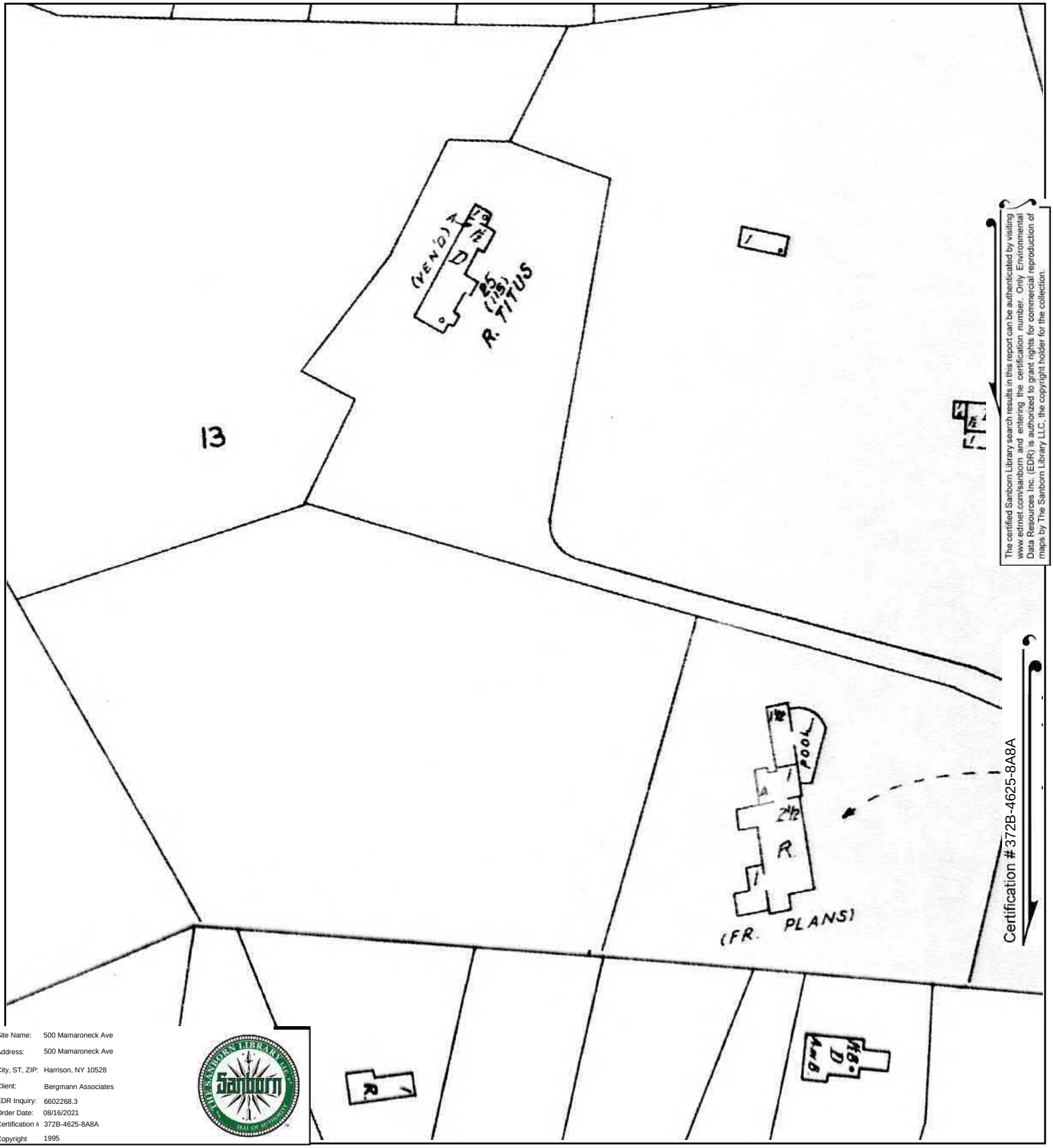
Certified Sanborn® Map

1995



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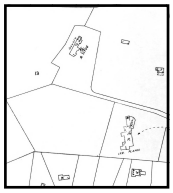

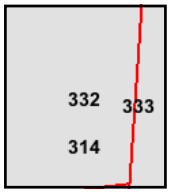

Volume 1, Sheet 333
Volume 1, Sheet 332
Volume 1, Sheet 314

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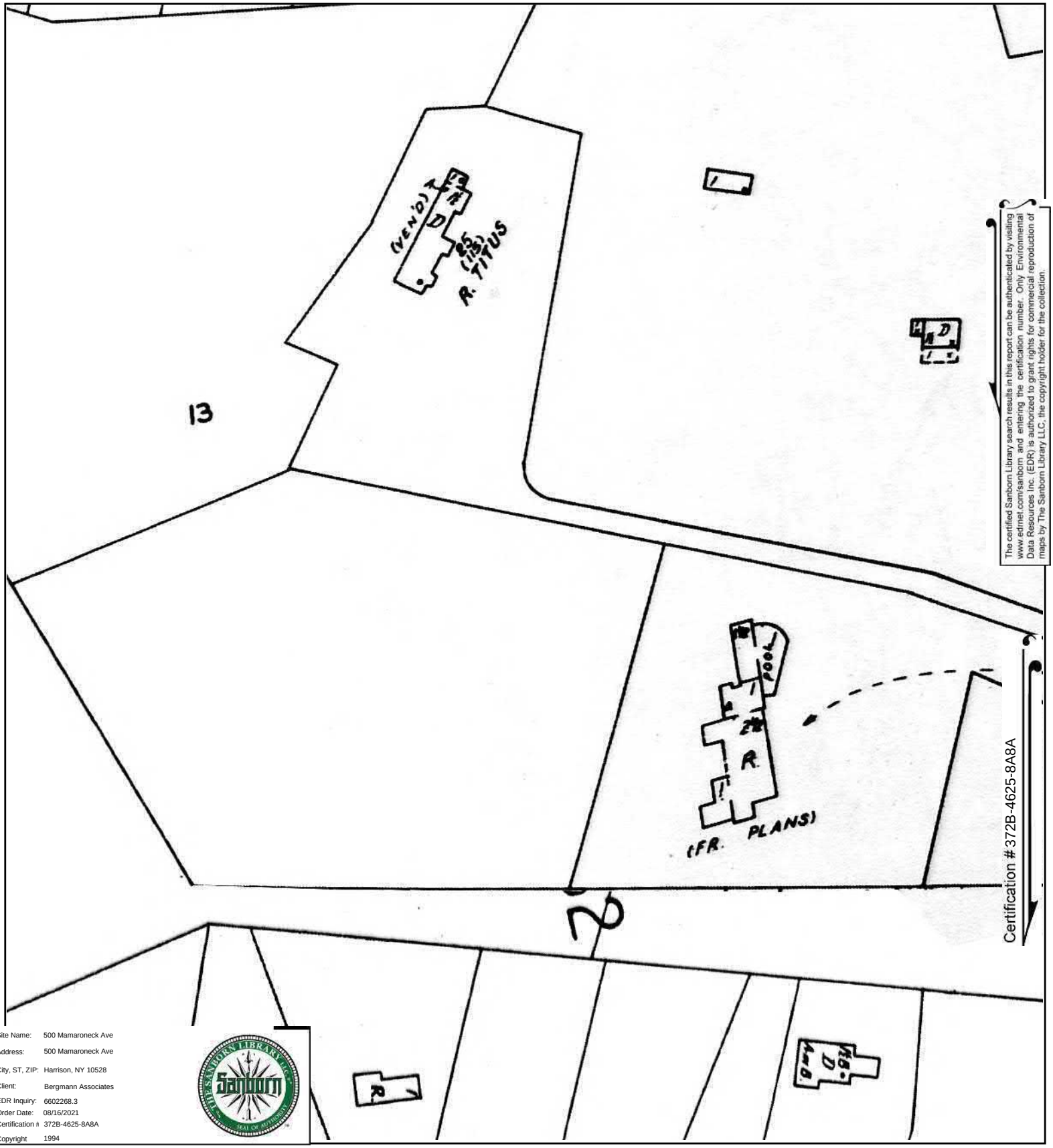
Certified Sanborn® Map

1994



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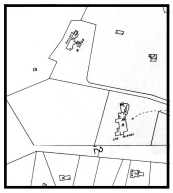

332

314

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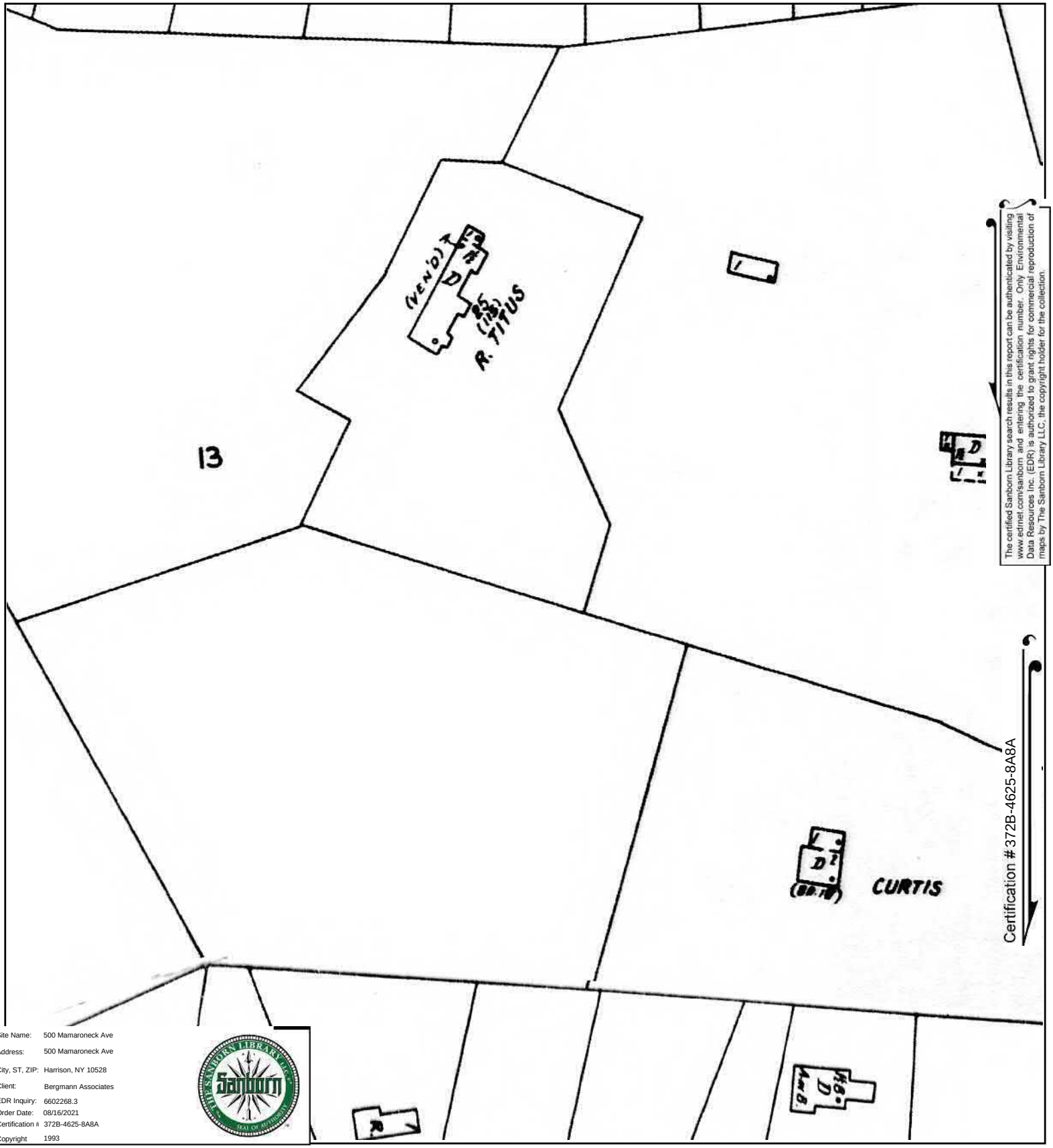
Volume 1, Sheet 314

N

Certified Sanborn® Map

1993



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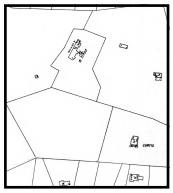

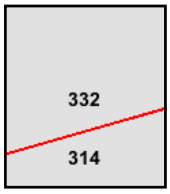

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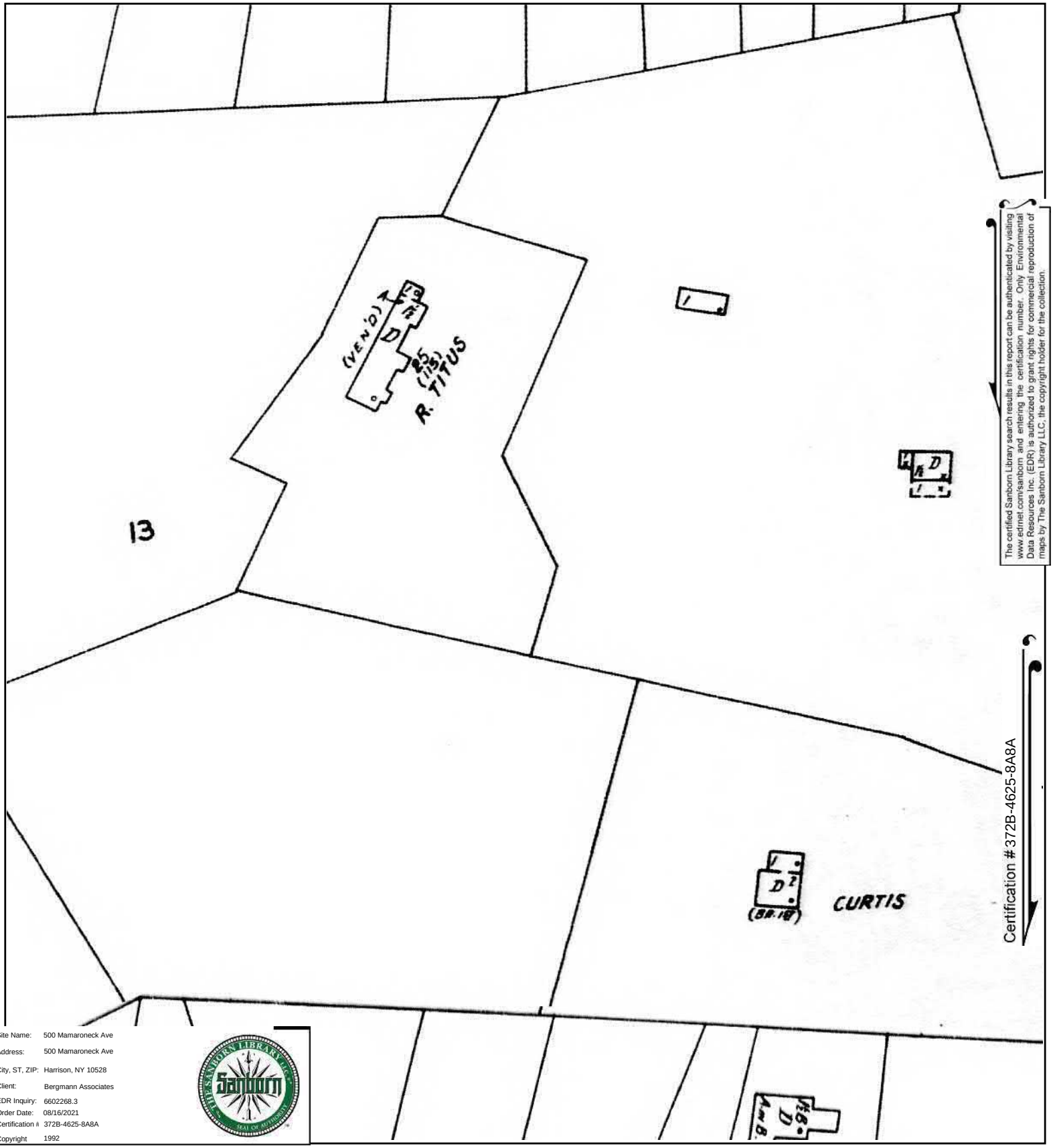
Volume 1, Sheet 332

N

Certified Sanborn® Map

1992



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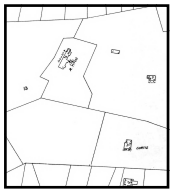

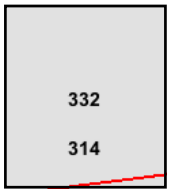

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N

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1990

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Certification #	372B-4625-8A8A
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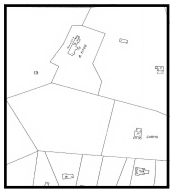

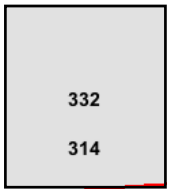

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N

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1950

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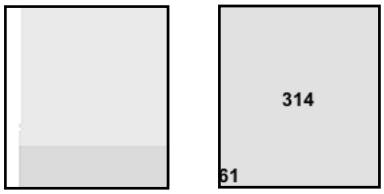

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N

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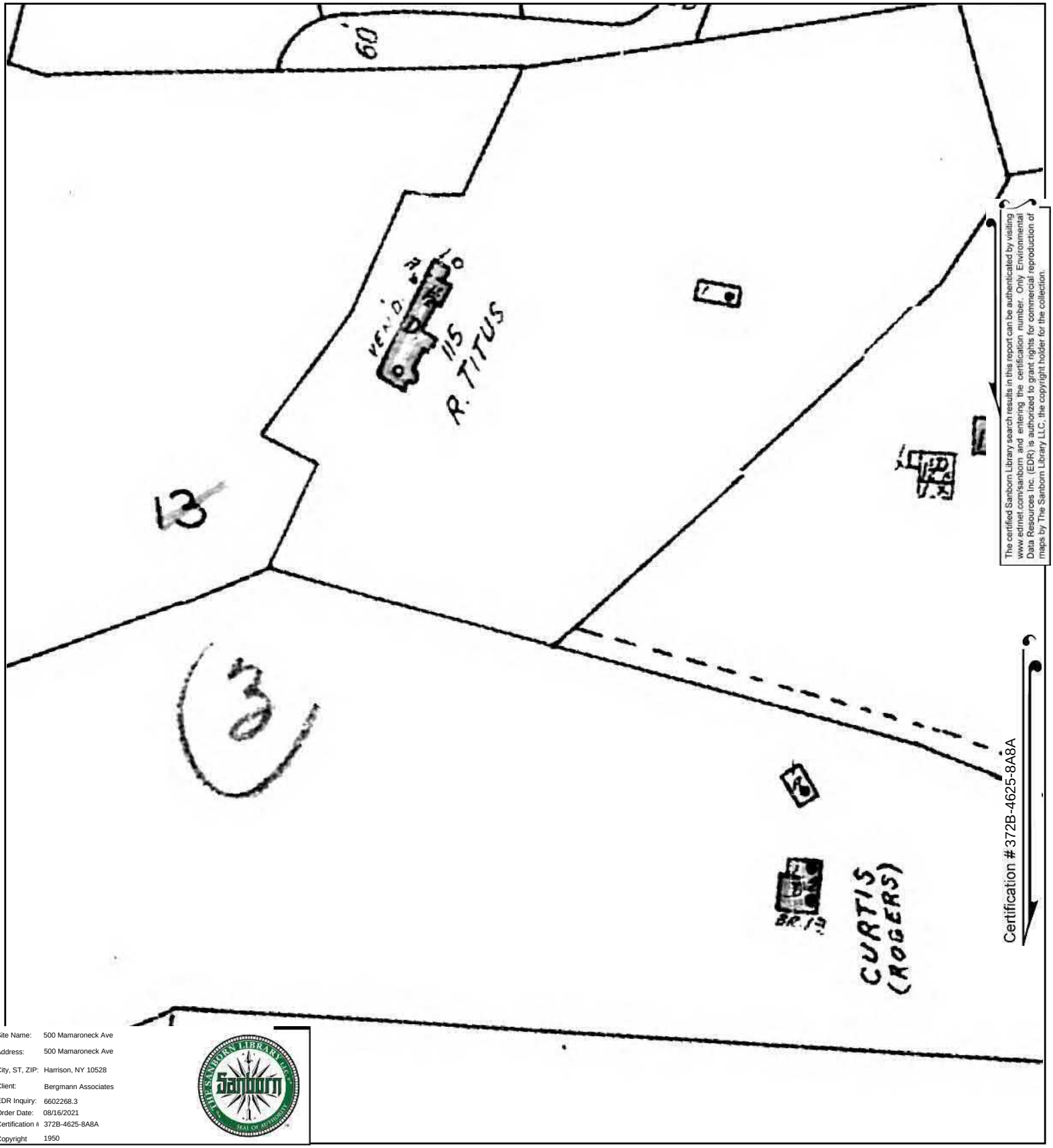
1950



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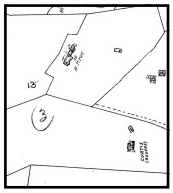

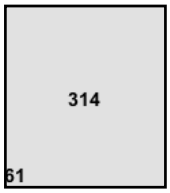

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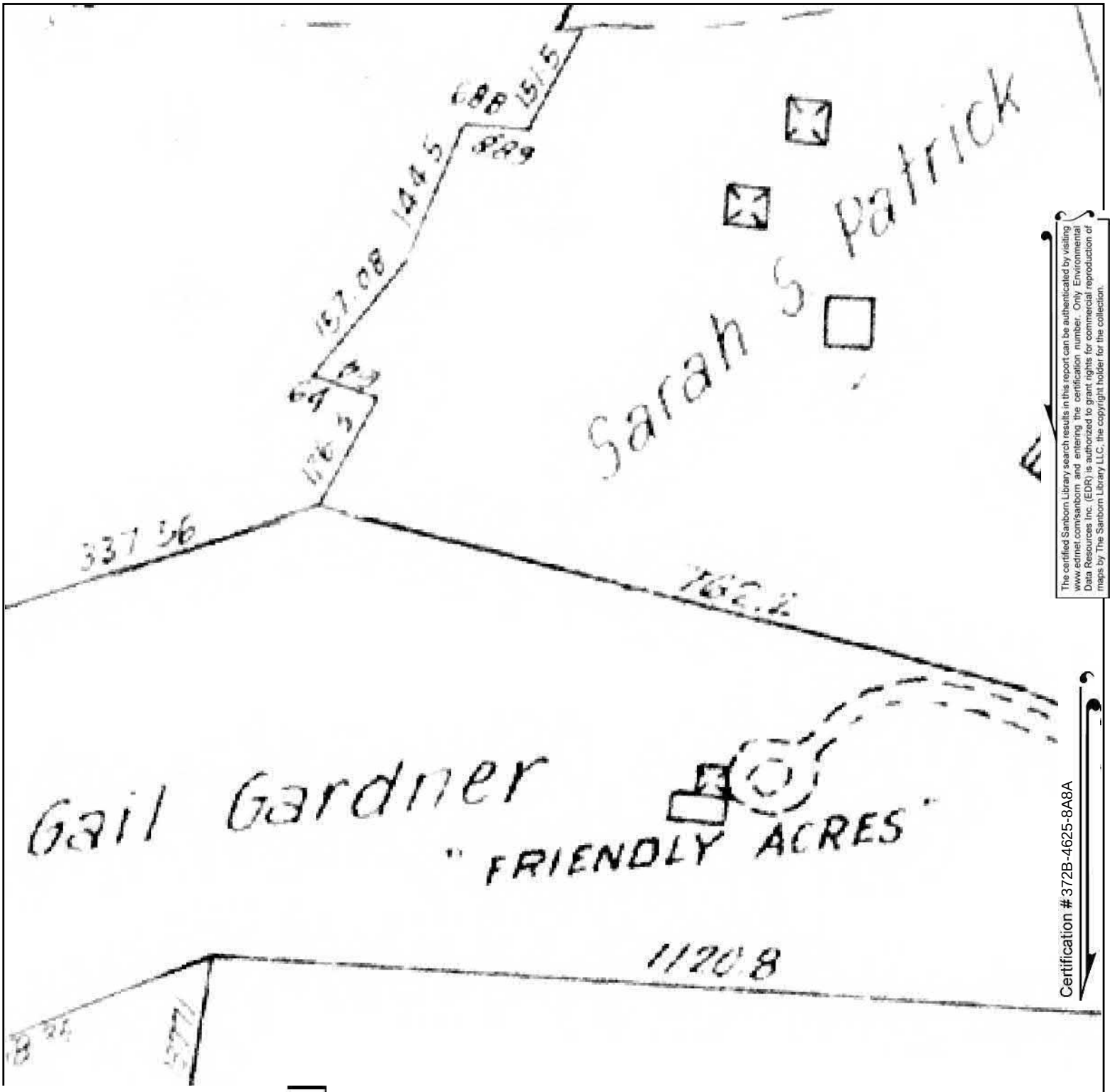
N

Certified Sanborn® Map

1942



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Certification #	372B-4625-8A8A
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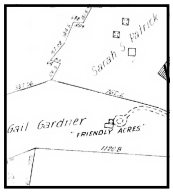


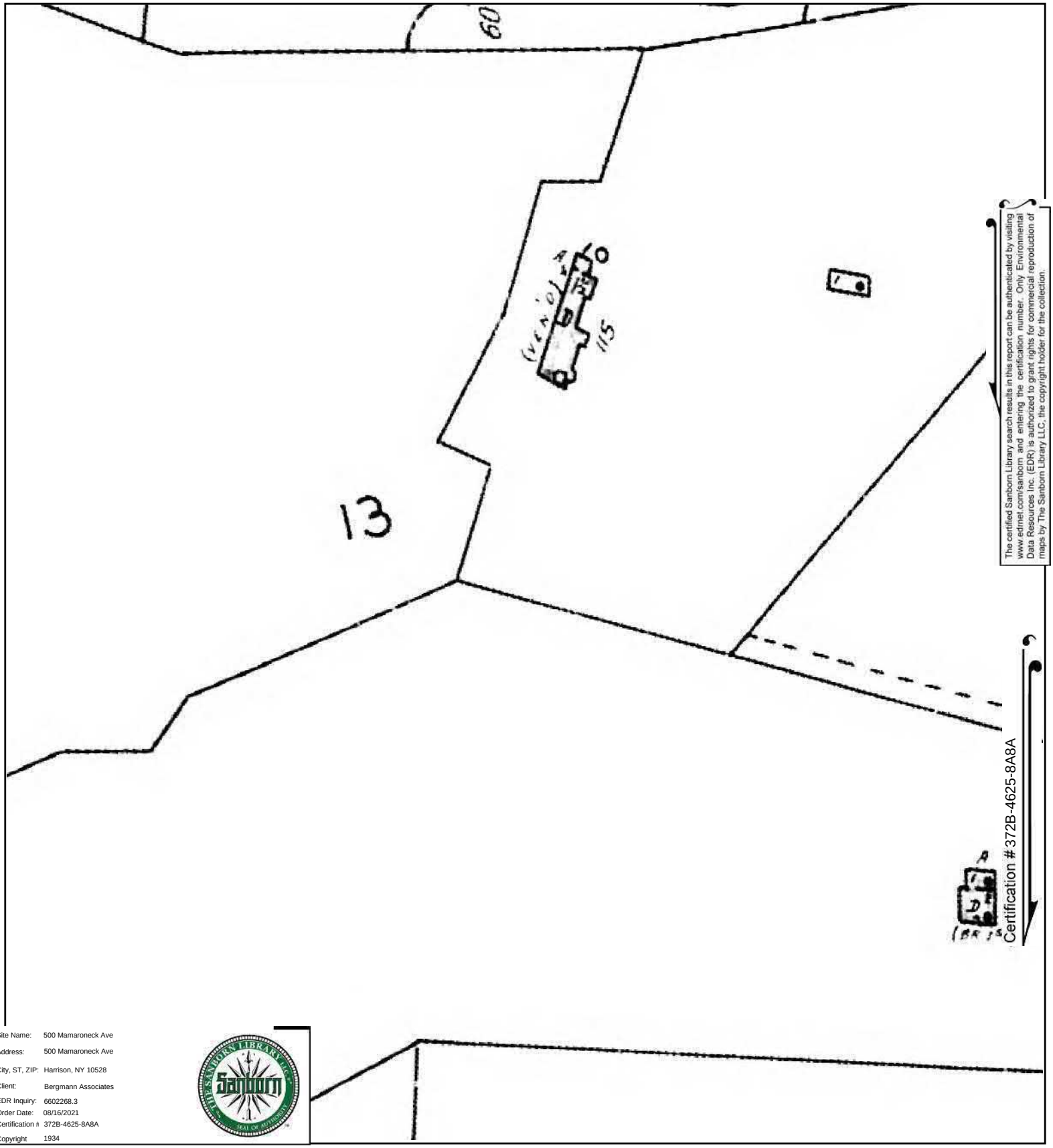
40

Volume 1, Sheet 40

N

Certified Sanborn® Map

1934



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Certification #	372B-4625-8A8A
Copyright	1934

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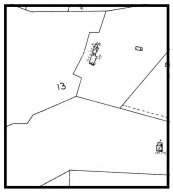

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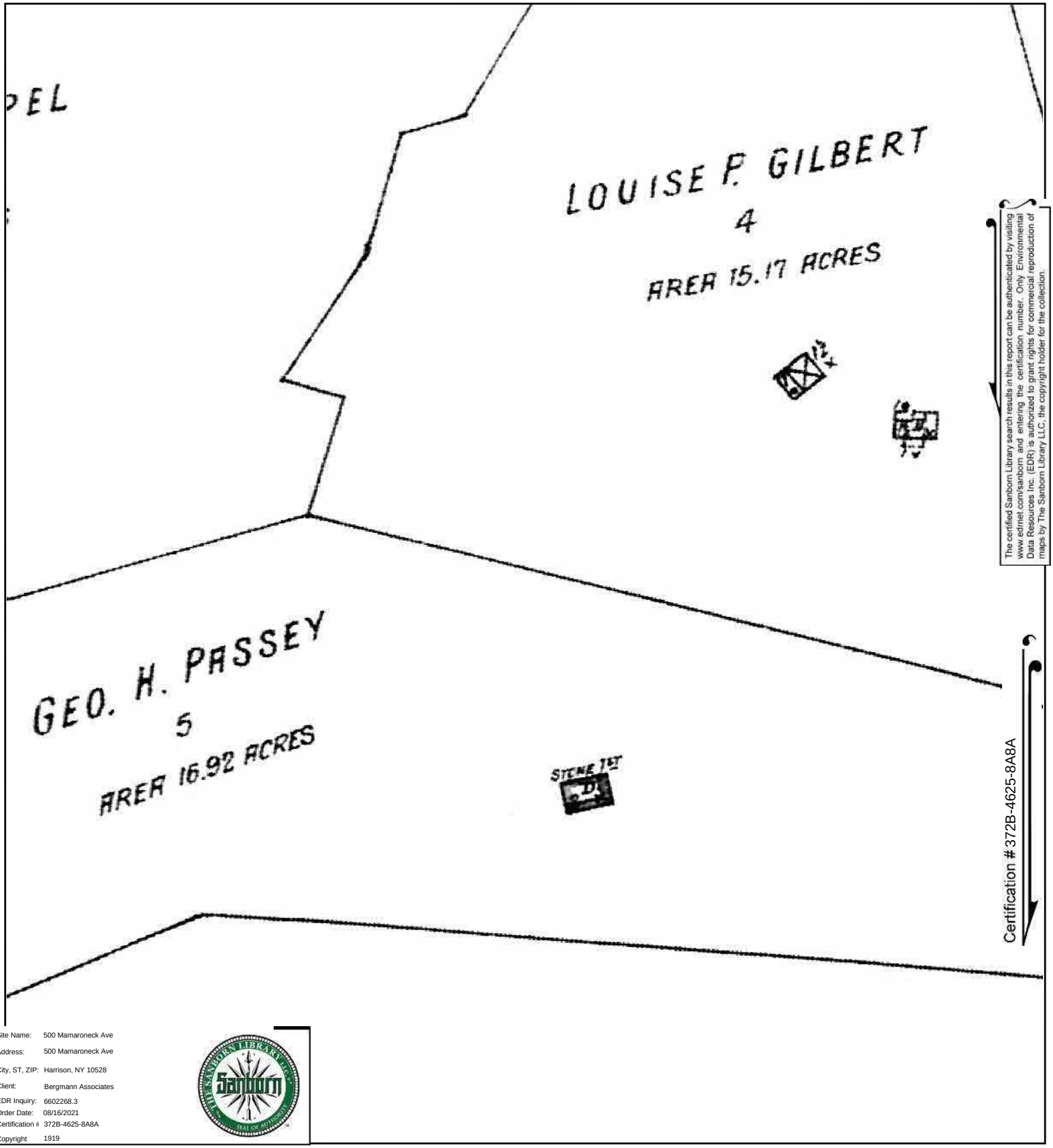
N

Certified Sanborn® Map

1919



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City, ST, ZIP:	Harrison, NY 10528
Client:	Bergmann Associates
EDR Inquiry:	6602268.3
Order Date:	08/16/2021
Certification #	372B-4625-8A8A
Copyright	1919

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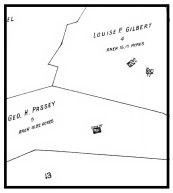

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N

500 Mamaroneck Ave

500 Mamaroneck Ave

Harrison, NY 10528

Inquiry Number: 6602268.3

August 16, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/16/21

Site Name:	Client Name:
500 Mamaroneck Ave	Bergmann Associates
500 Mamaroneck Ave	280 East Broad Street, Suite 200
Harrison, NY 10528	Rochester, NY 14604
EDR Inquiry # 6602268.3	Contact: Skylar Francis

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Certified Sanborn Results:

Certification # 372B-4625-8A8A

PO # 14064.10

Project Mamaroneck Av

Maps Provided:

2003	1963
1996	1950
1995	1942
1994	1934
1993	1919
1992	
1990	
1988	

Sanborn® Library search results

Certification #: 372B-4625-8A8A

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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2003 Source Sheets

Volume 1, Sheet 314
2003

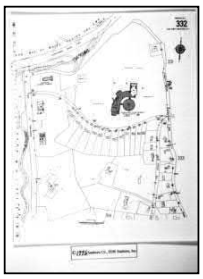
Volume 1, Sheet 332
2003

Volume 1, Sheet 61b
2003

1996 Source Sheets

Volume 1, Sheet 61b
1996

Volume 1, Sheet 314
1996

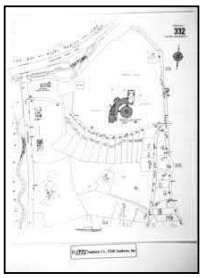


Volume 1, Sheet 332
1996

1995 Source Sheets

Volume 1, Sheet 61b
1995

Volume 1, Sheet 314
1995



Volume 1, Sheet 332
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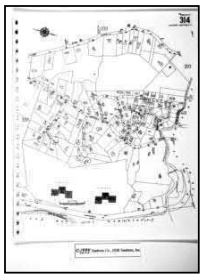
1994 Source Sheets



Volume 1, Sheet 314
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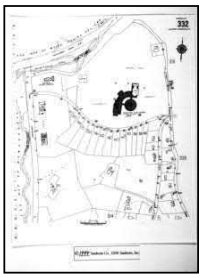

Volume 1, Sheet 332
1994

Volume 1, Sheet 61b
1994

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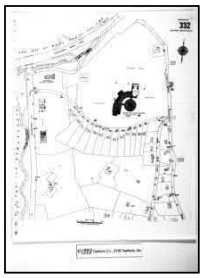
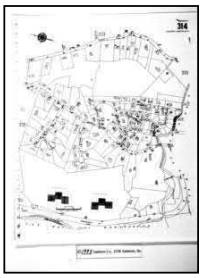
1993 Source Sheets



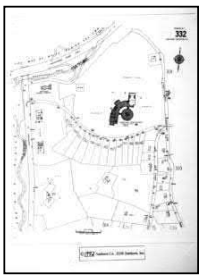
Volume 1, Sheet 332
1993



Volume 1, Sheet 314
1993

1992 Source Sheets

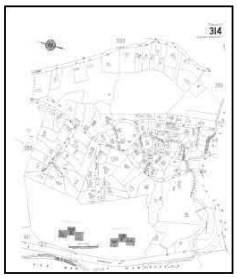
Volume 1, Sheet 314
1992



Volume 1, Sheet 332
1992

Volume 1, Sheet 61b
1992

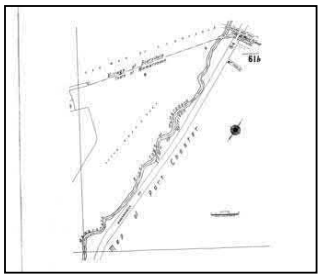
1990 Source Sheets



Volume 1, Sheet 314
1990

Volume 1, Sheet 332
1990

1988 Source Sheets



Volume 1, Sheet 61b
1988

Sanborn Sheet Key

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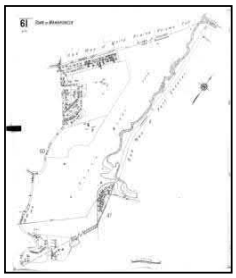
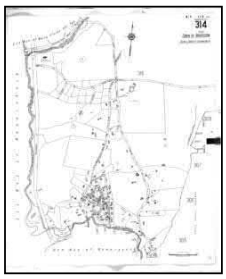
1963 Source Sheets



Volume 1, Sheet 61
1963

1950 Source Sheets



Volume 1, Sheet 314
1950

Volume 1, Sheet 61
1950

1942 Source Sheets

Volume 1, Sheet 40
1942

1934 Source Sheets

Volume 1, Sheet 314
1934

Volume 1, Sheet 61
1934

Sanborn Sheet Key

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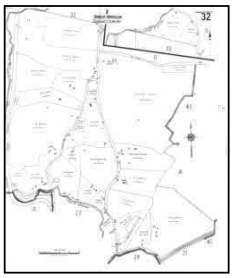
1919 Source Sheets

Volume 1, Sheet 31
1919



Volume 1, Sheet 32
1919

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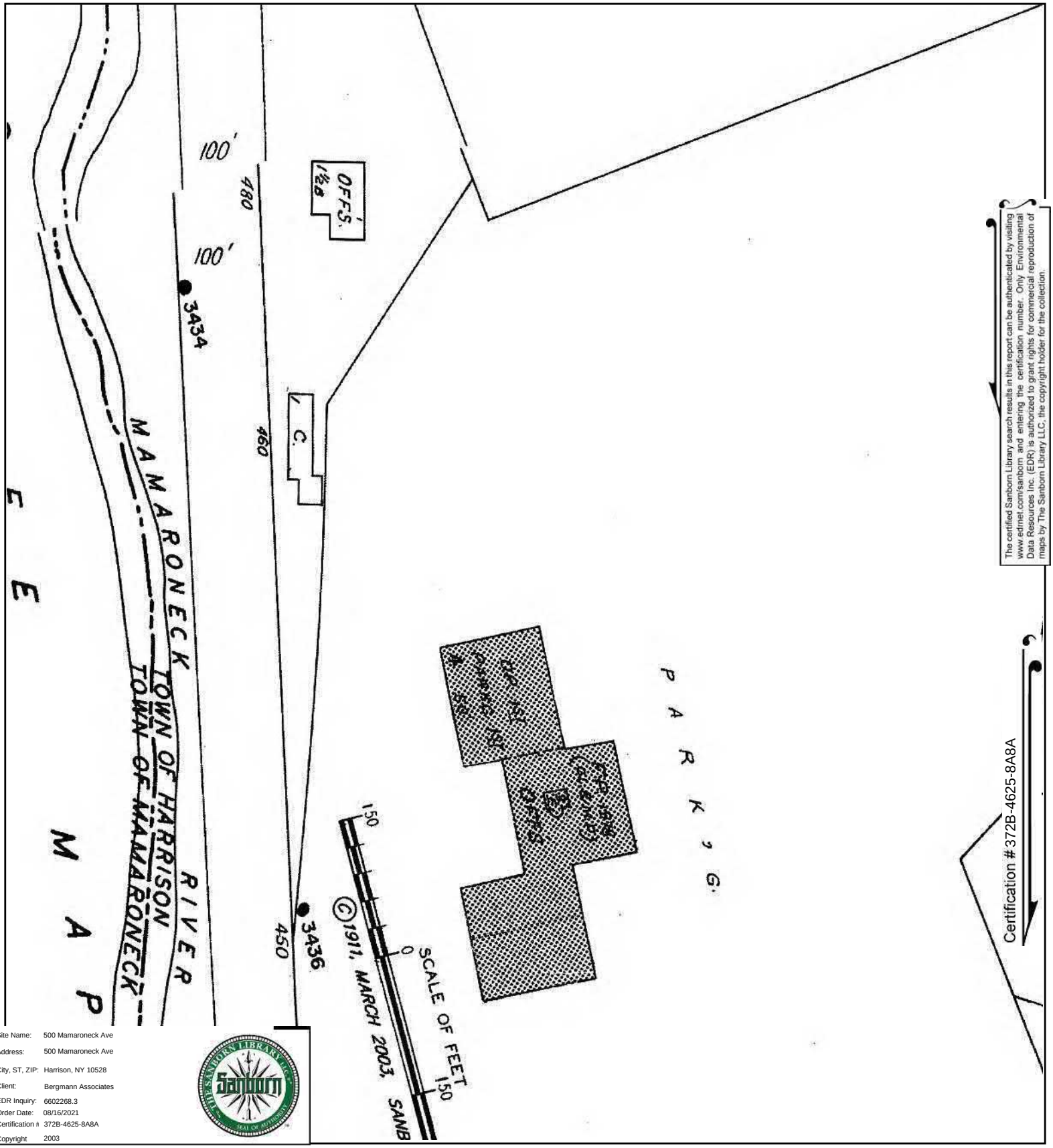
2003



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City, ST, ZIP:	Harrison, NY 10528
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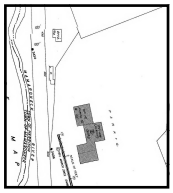
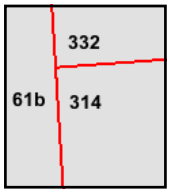




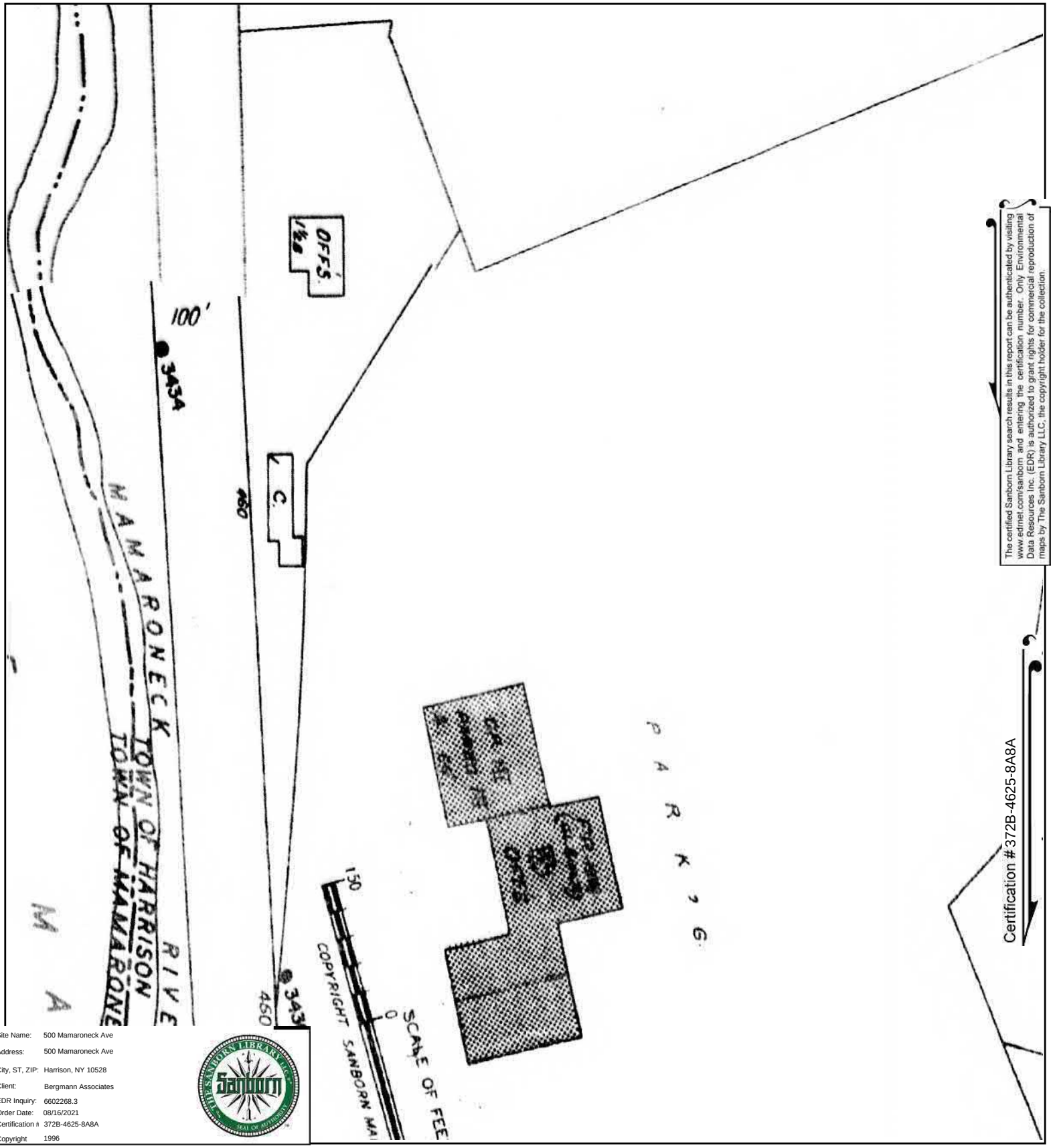
Volume 1, Sheet 61b
Volume 1, Sheet 332
Volume 1, Sheet 314

0 Feet 150 300 600

N

Certified Sanborn® Map

1996



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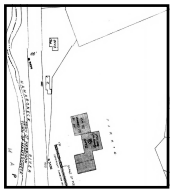

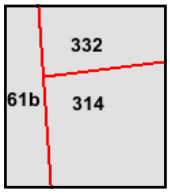

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Volume 1, Sheet 61b

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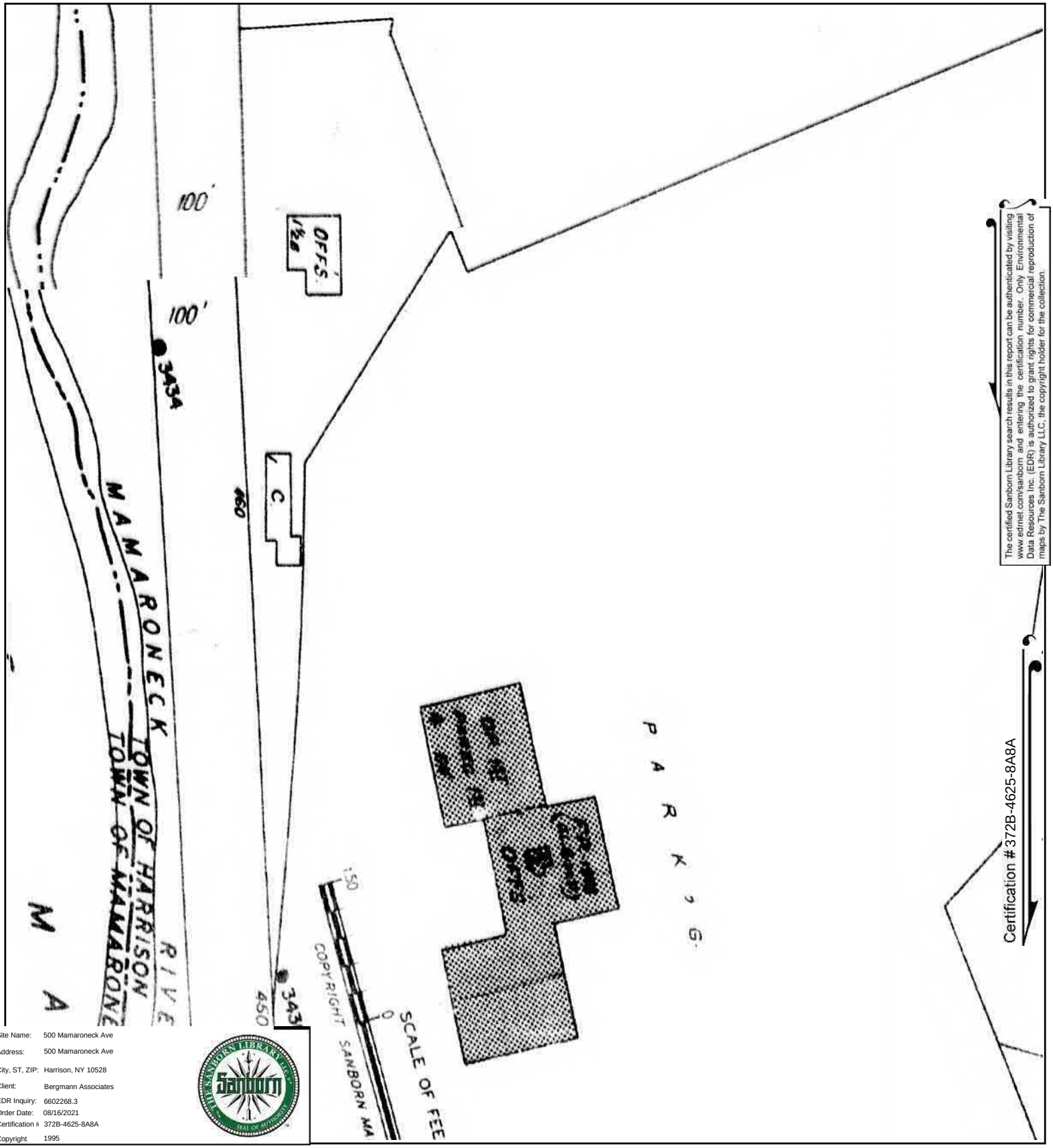
1995



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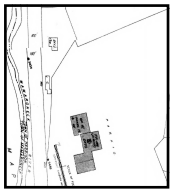

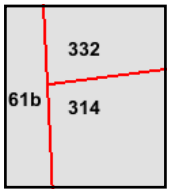

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Volume 1, Sheet 61b

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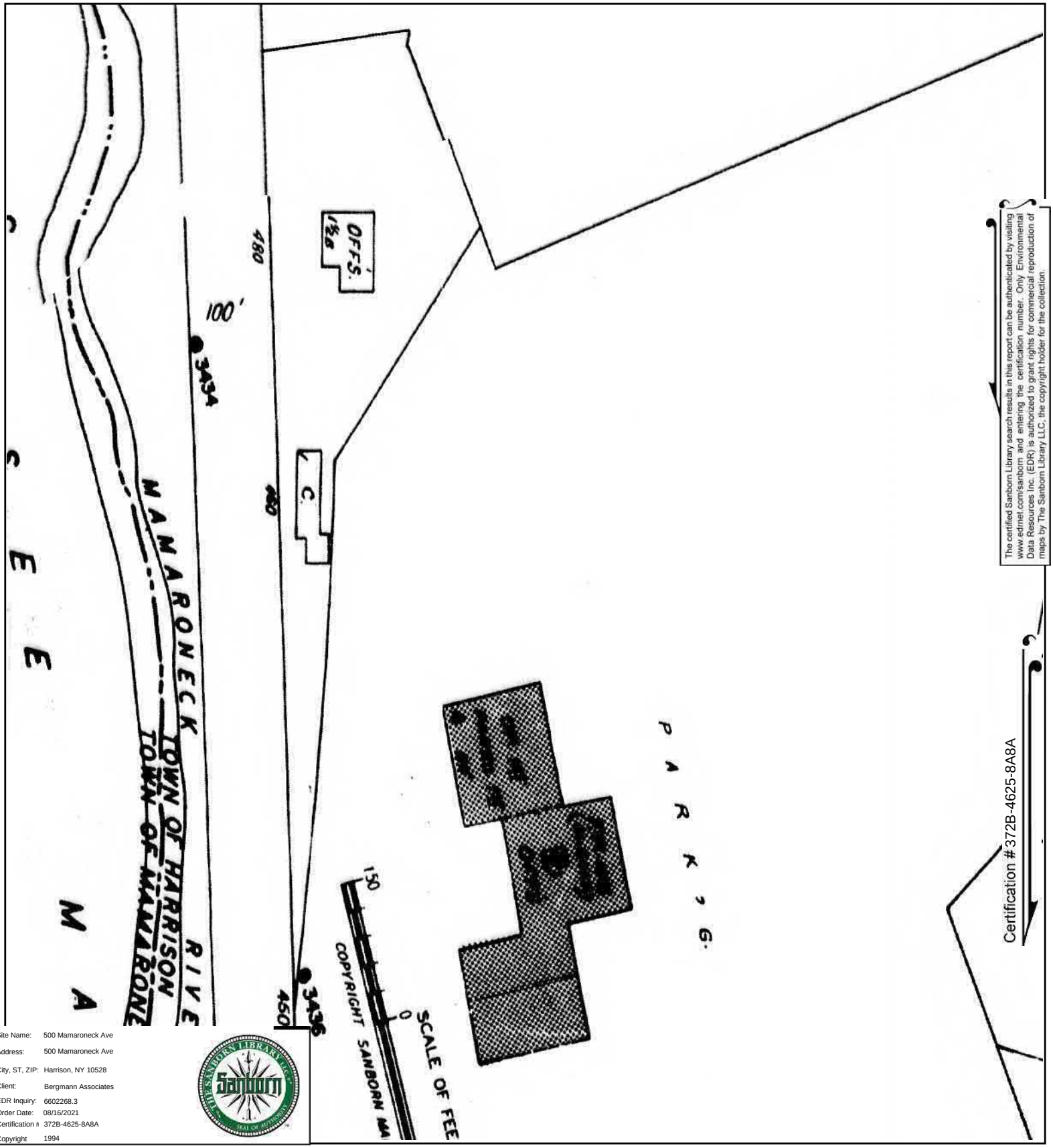
1994



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Order Date:	08/16/2021
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Copyright	1994

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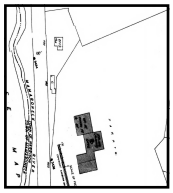

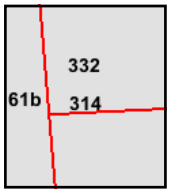

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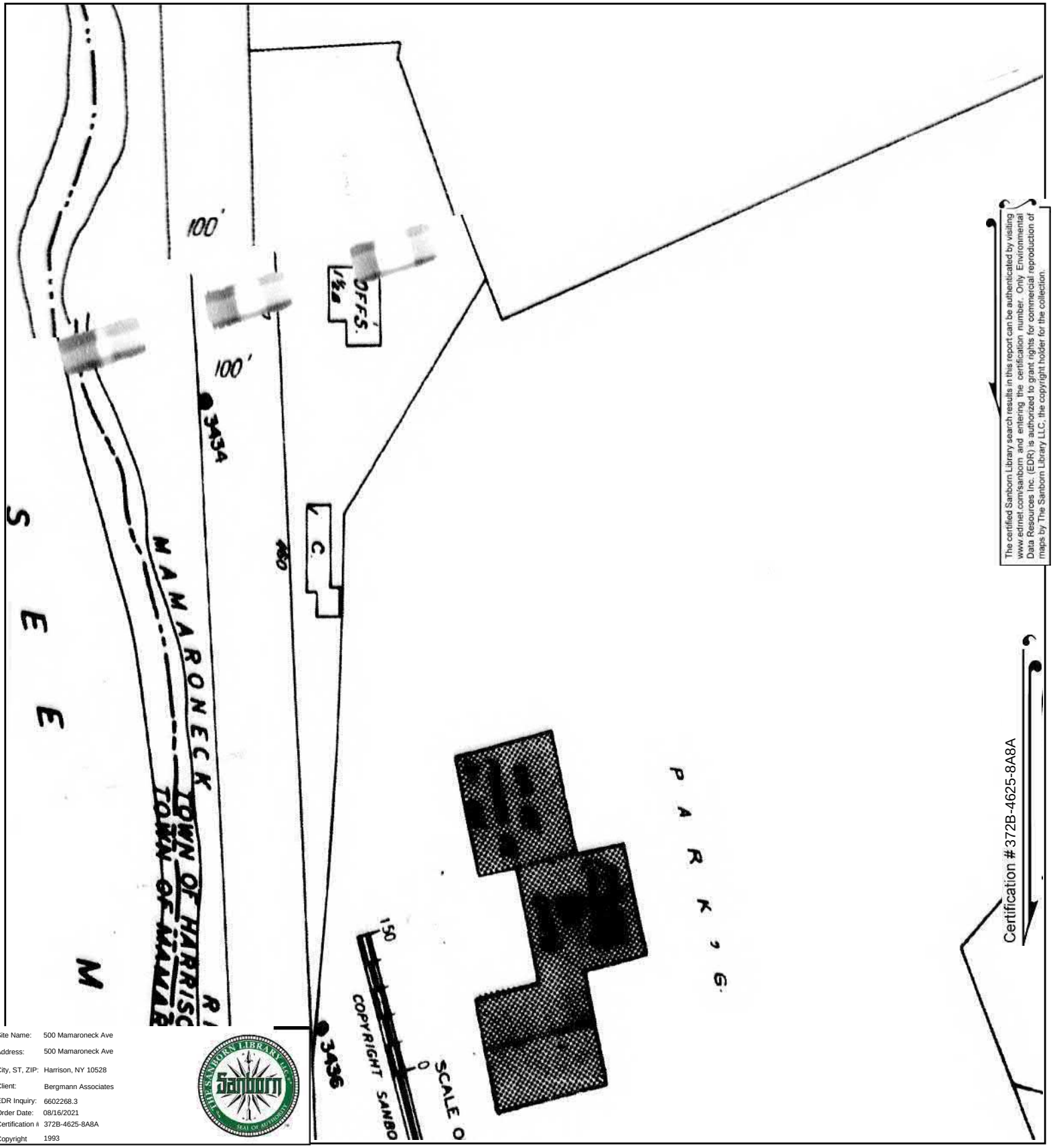
1993



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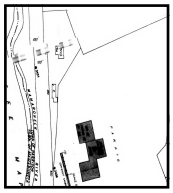

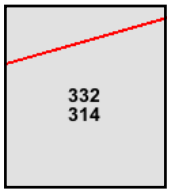

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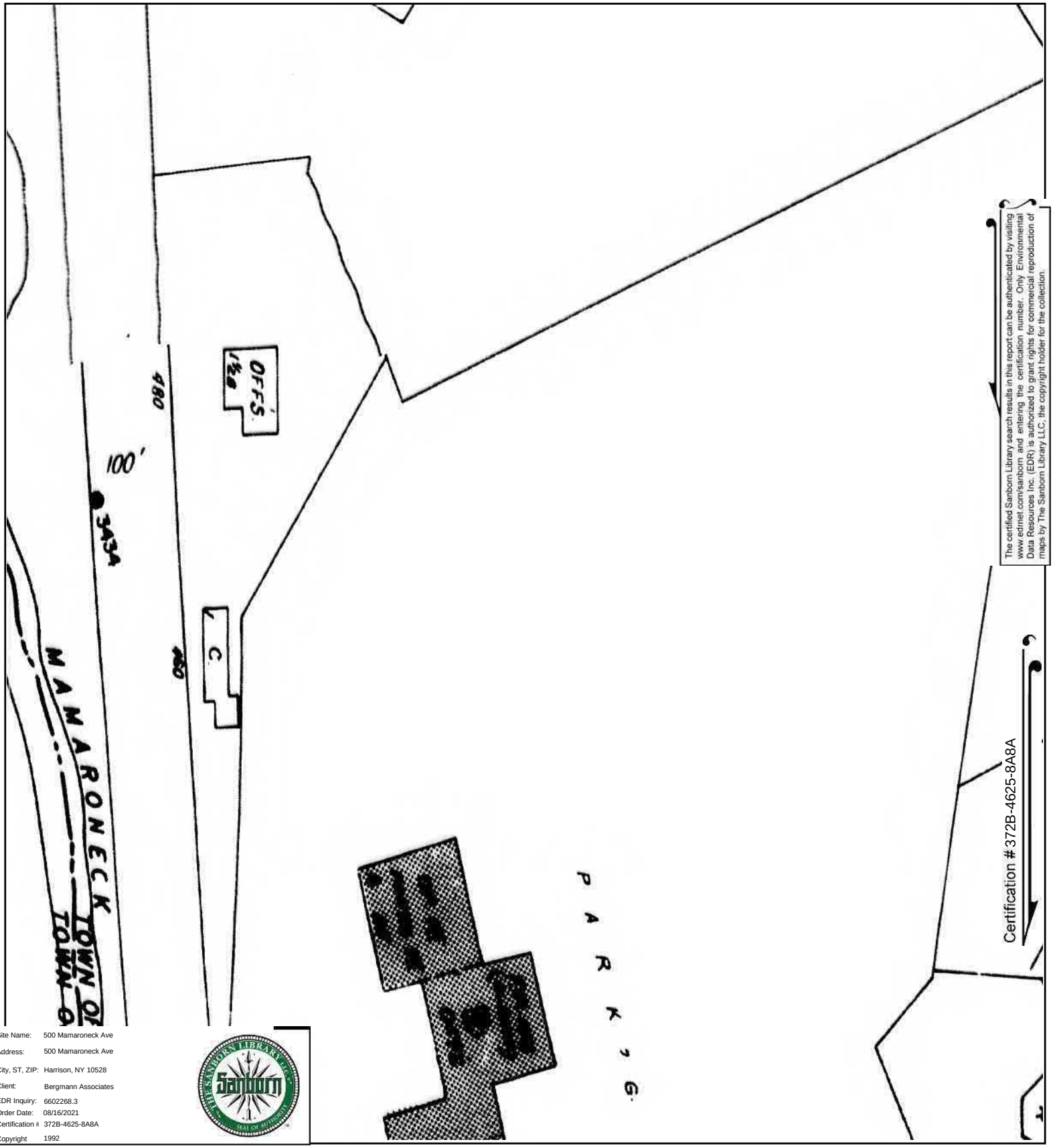
1992



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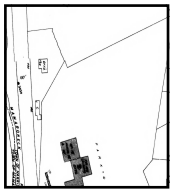

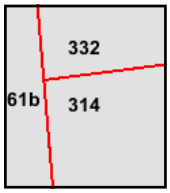

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Volume 1, Sheet 314

N

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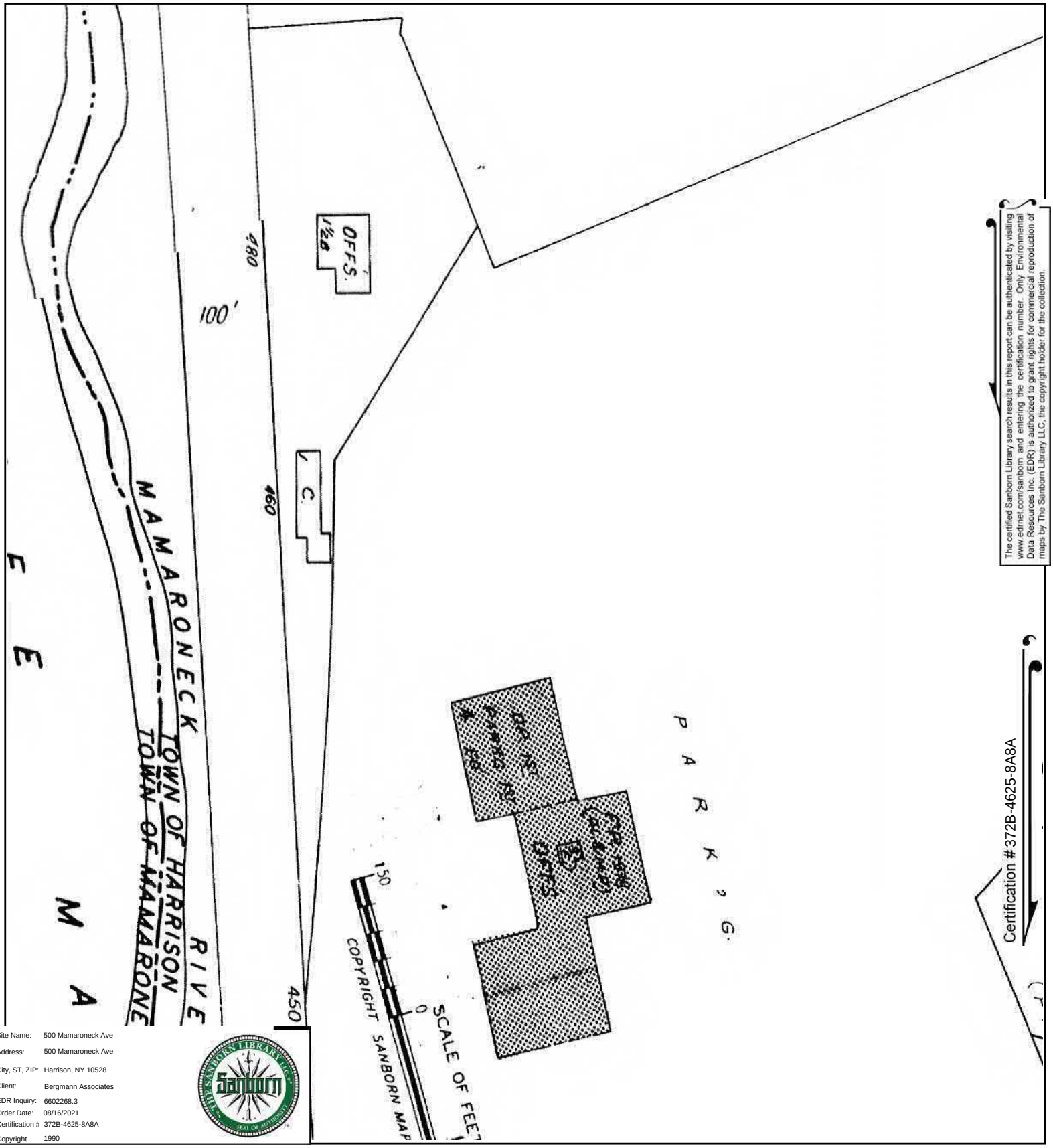
1990



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Copyright	1990

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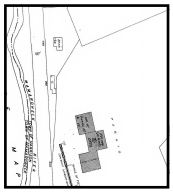

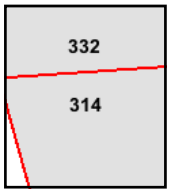

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0 Feet 150 300 600

N

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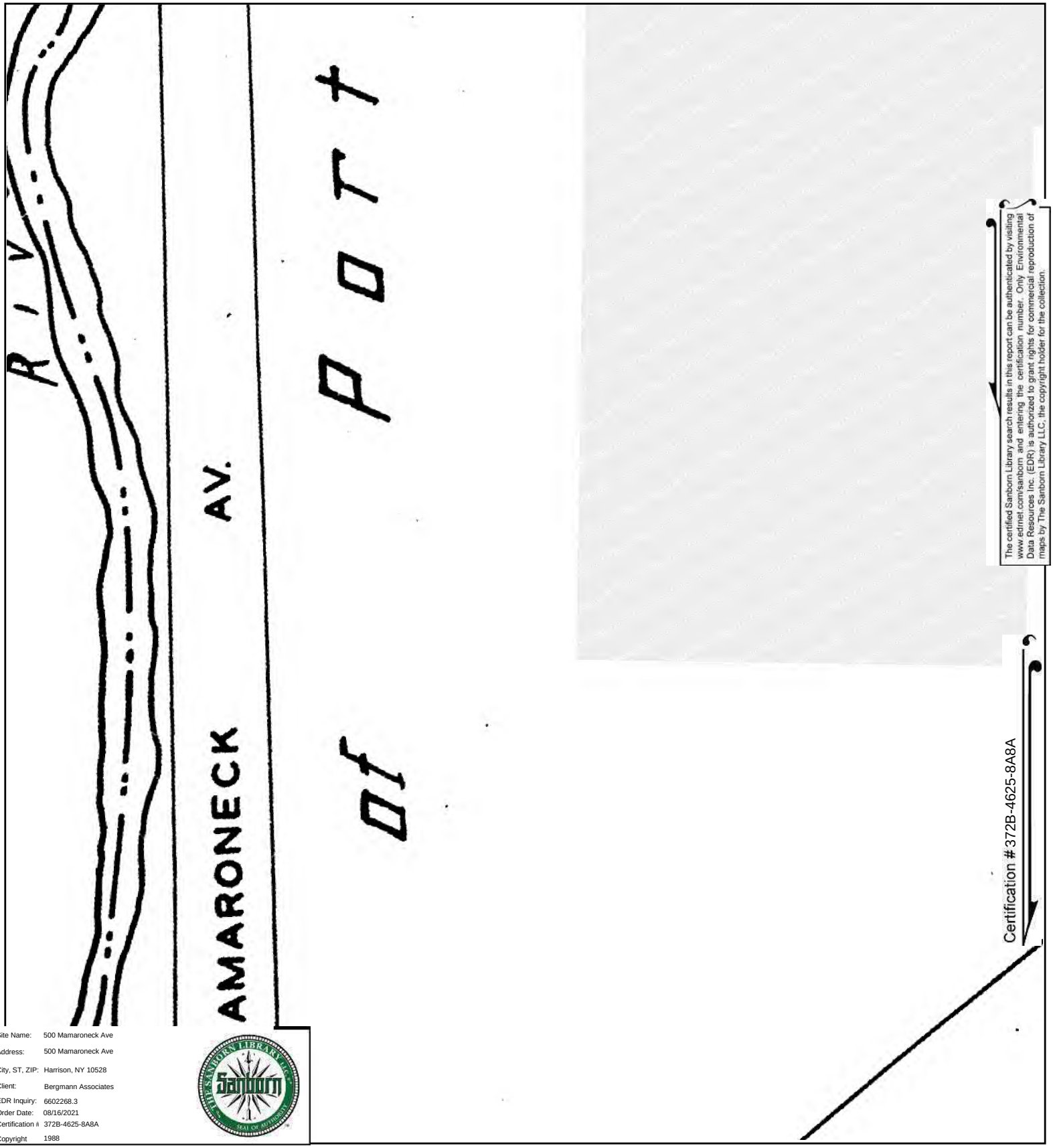
1988



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Certification #	372B-4625-8A8A
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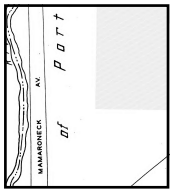

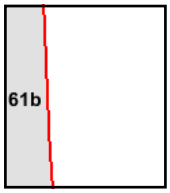

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N

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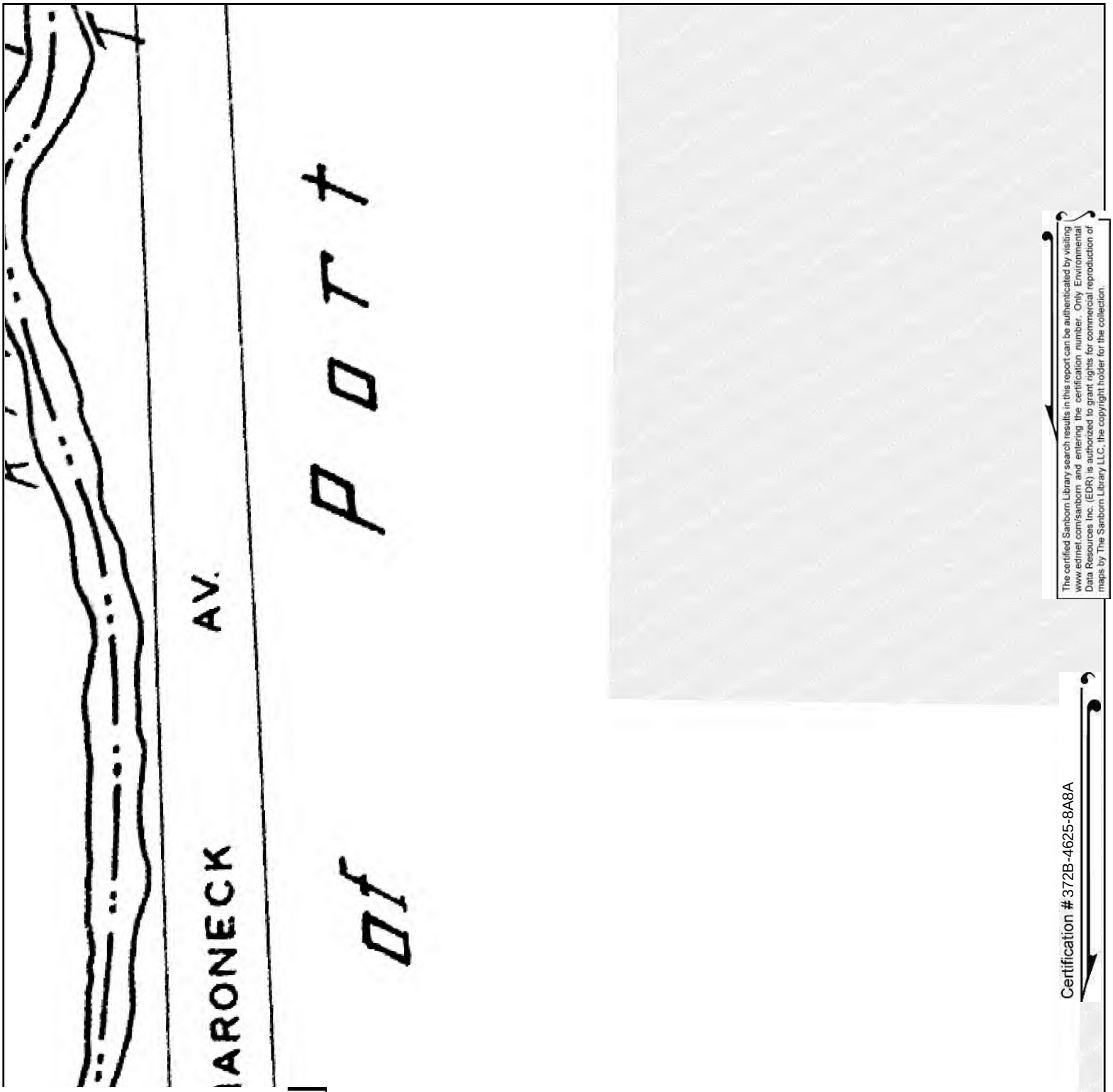
1963



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Copyright	1963

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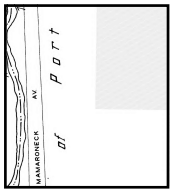

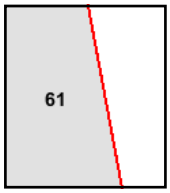

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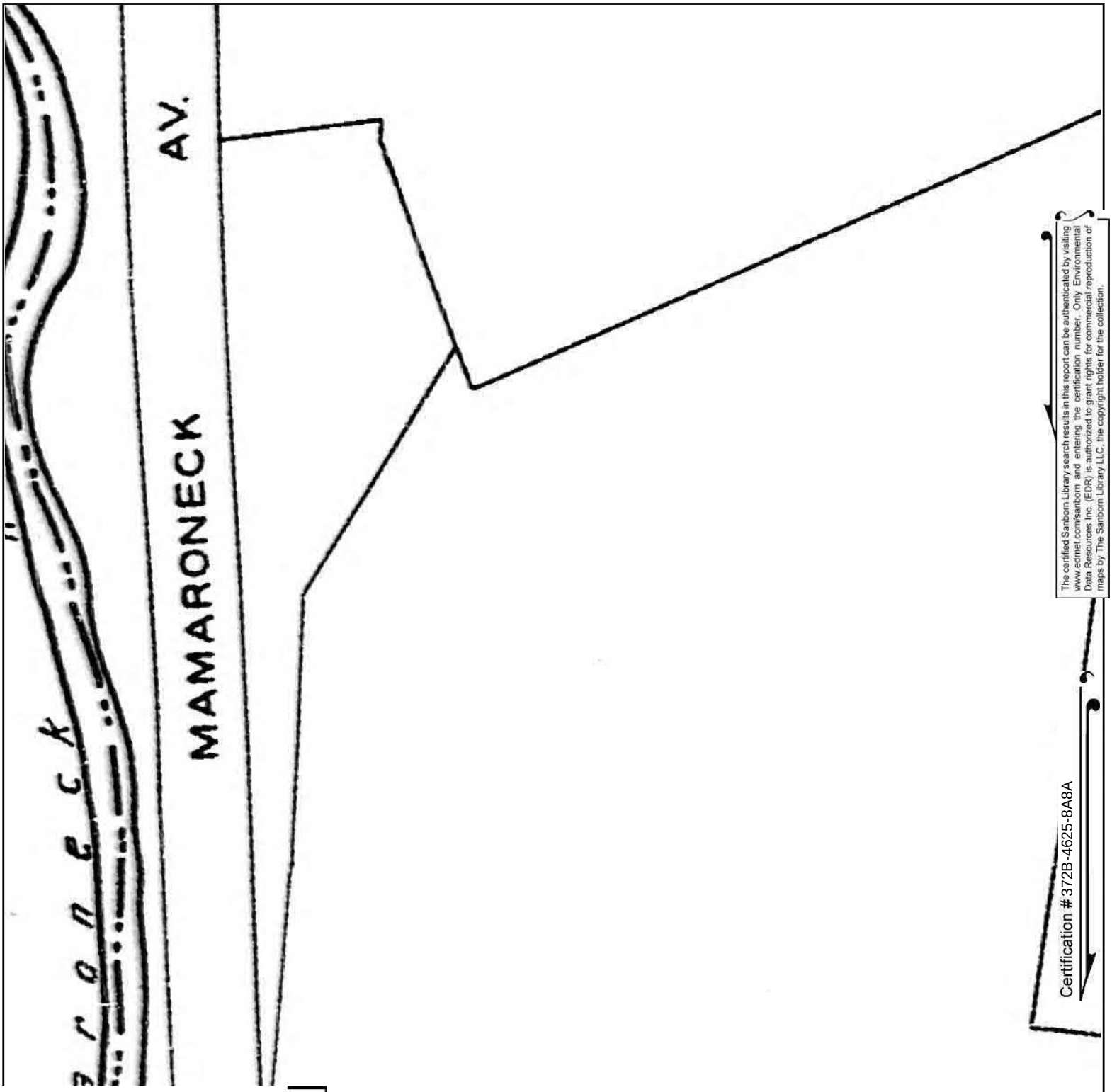
1950



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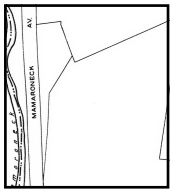

61
314

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N

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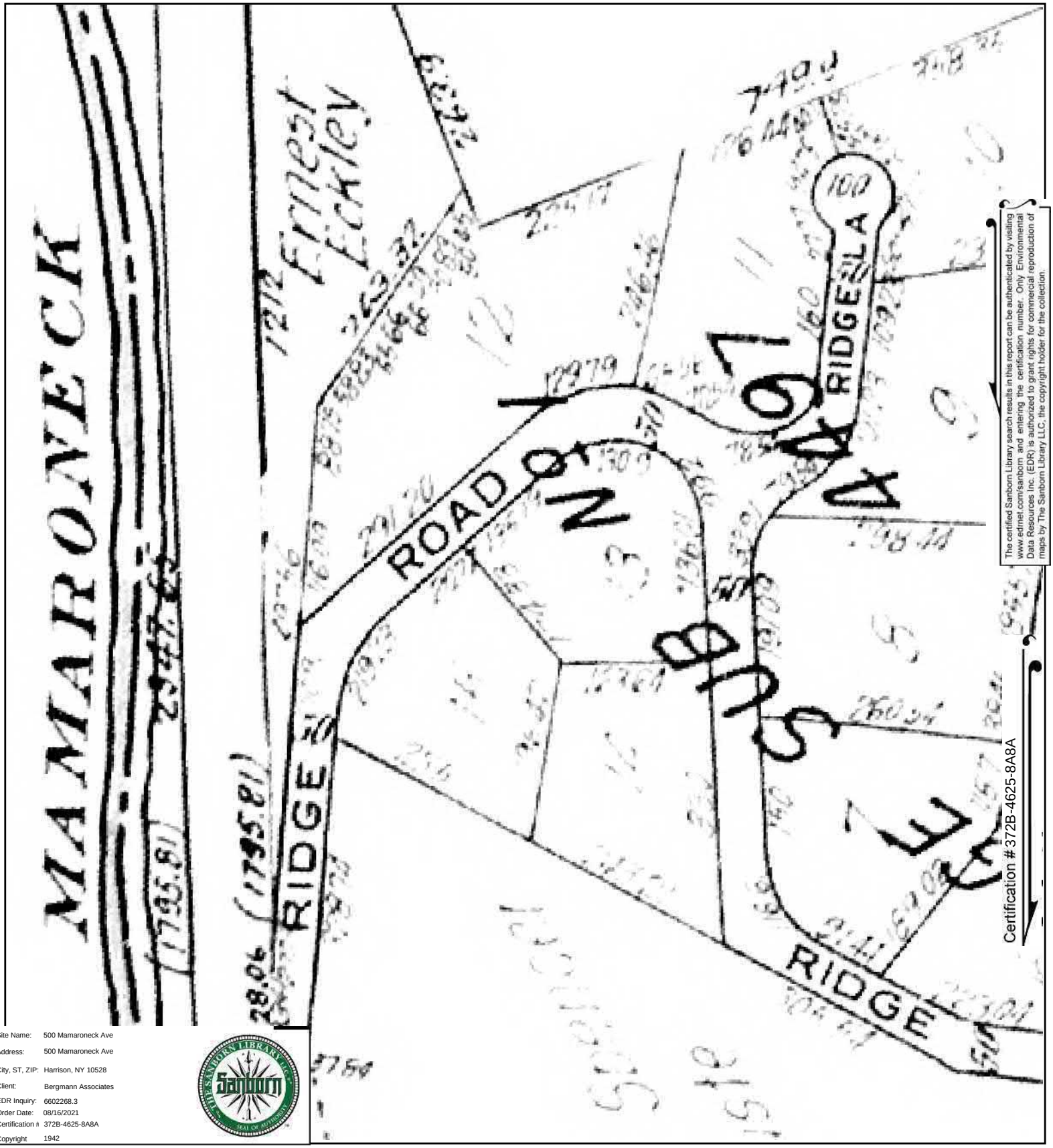
1942



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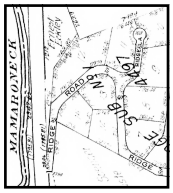

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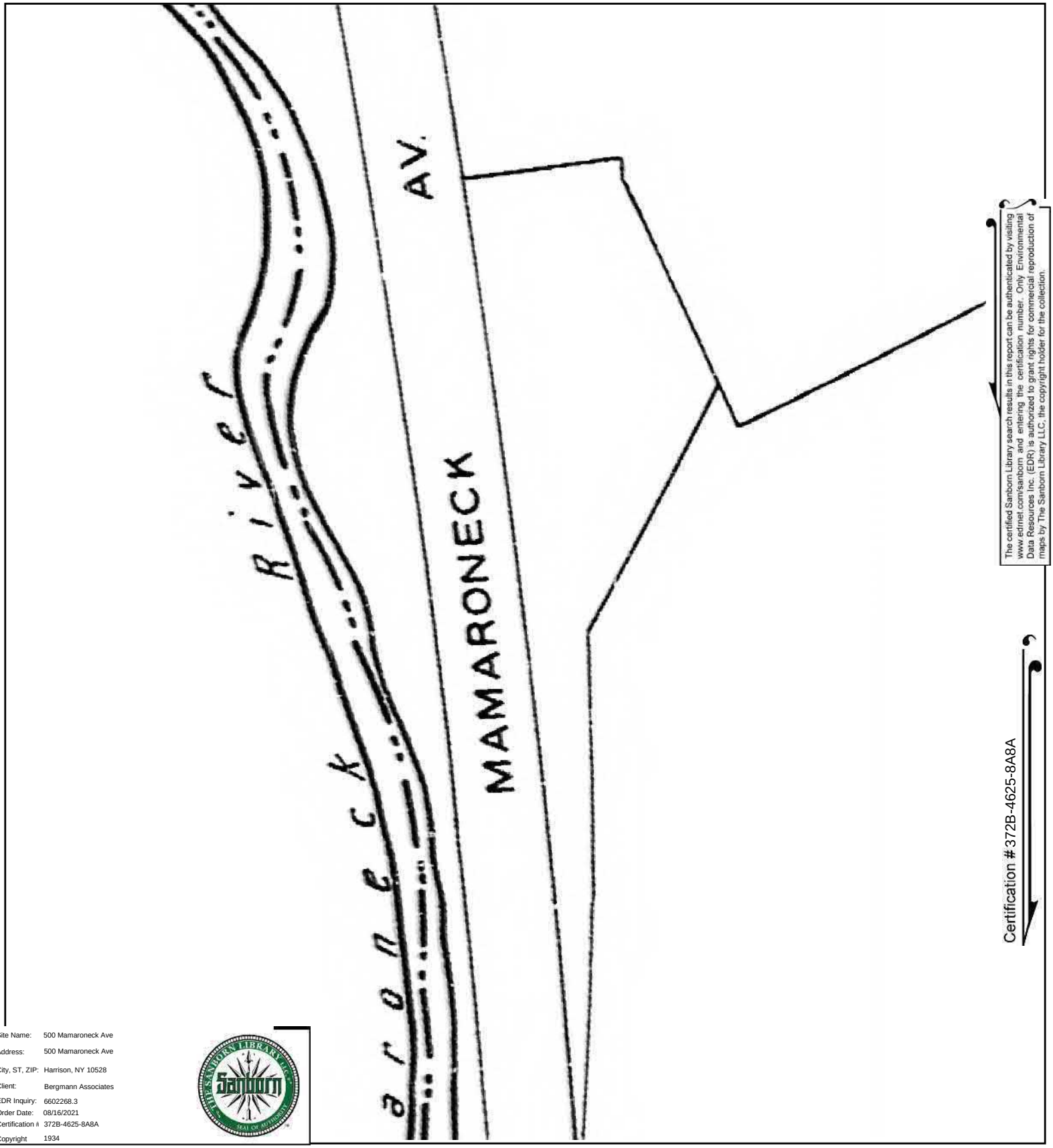
1934



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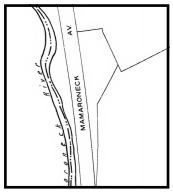

61 314

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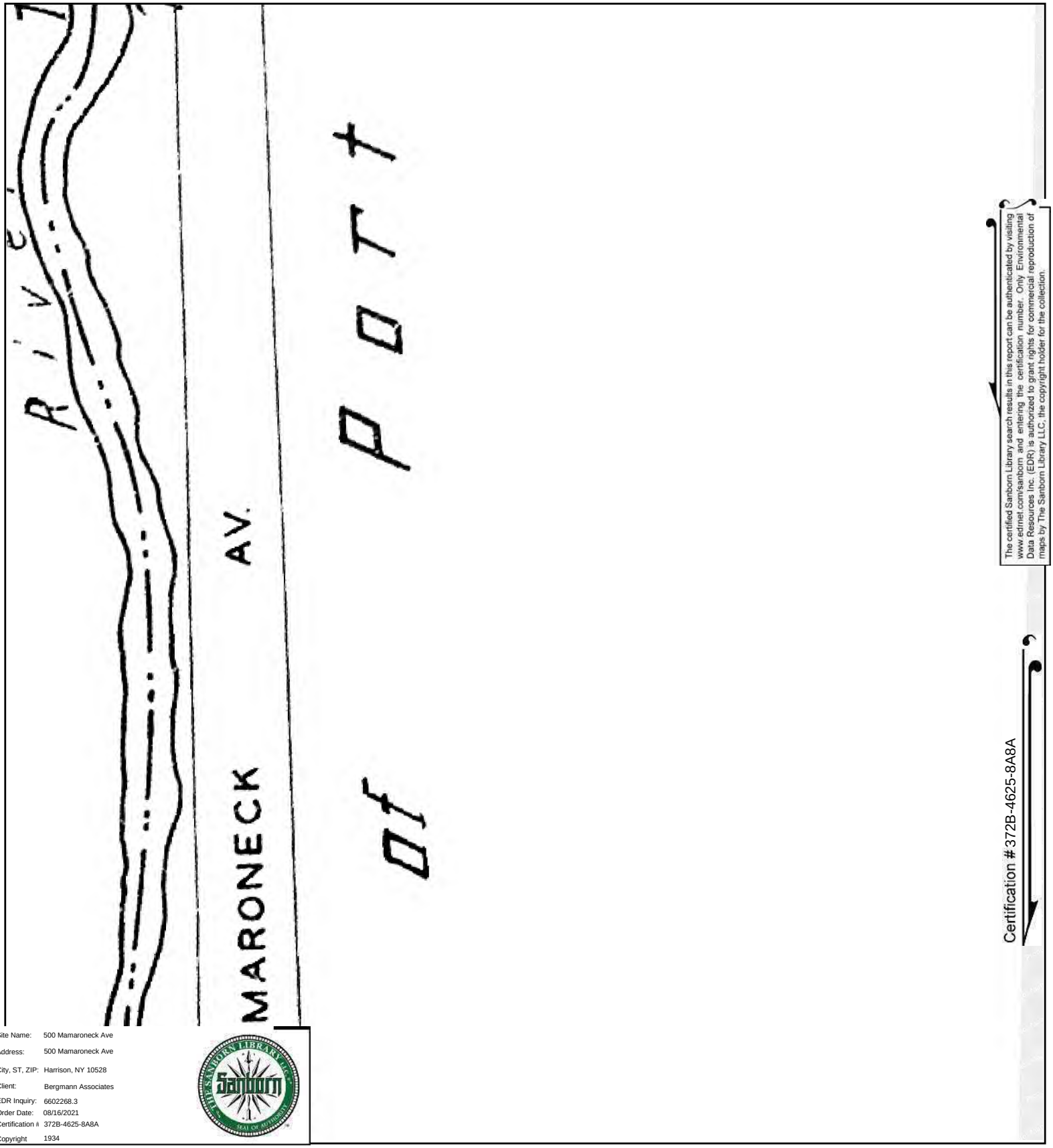
Volume 1, Sheet 314

N

Certified Sanborn® Map

1934



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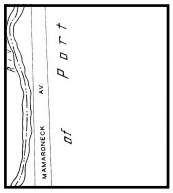

61 314

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N

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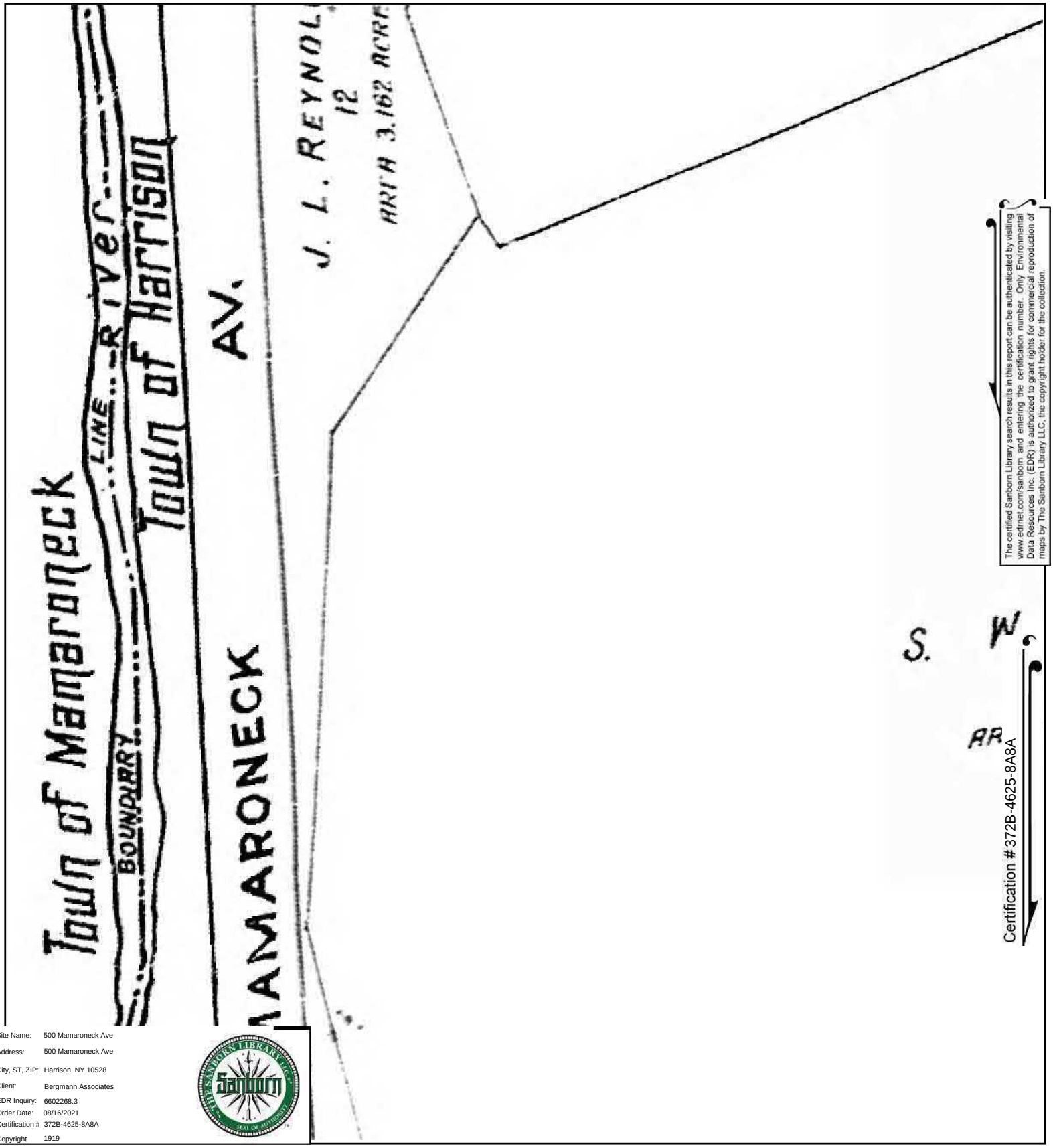
1919



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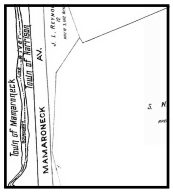

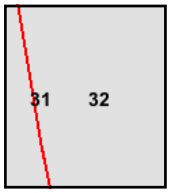

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N

APPENDIX F:

FOIL REQUESTS AND RESPONSES

Francis, Skylar

From: noreply@its.ny.gov
Sent: Monday, August 2, 2021 1:23 PM
To: Francis, Skylar
Subject: FOIL Request Confirmation from Open FOIL NY

[Caution] External Origin. Do not click links/open attachments unless you know the content is safe.

Thank you for submitting your FOIL request through Open FOIL NY.

Here is your Open FOIL NY confirmation information for future reference:

FRANCIS_DOH_20210802132231965

FRANCIS_DEC_20210802132231965

INFORMATION SUBMITTED:

Records Requested From	Department of Health Department of Environmental Conservation
Short Title	Mamaroneck Ave
Description	Re: Freedom of Information Request Dear Sir or Madam: Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Ave, Town of Harrison, Westchester County, New York Land owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.-8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated

	with the documents we require. Please let us know if you can accommodate this request in an expedient manner. Please email if you have any questions. Very truly yours, Bergmann SKYLAR J. FRANCIS Assistant Project Manager sfrancis@bergmannpc.com
Uploaded Files	
FOIL Response Format	Email
If fees apply, please contact me if costs will be greater than	$10

Your FOIL request has been forwarded to the organization(s) you selected, and the respective Records Access Officer will contact you directly for further processing of your request. Please allow up to five business days for such communication(s). For your convenience, here is additional contact information:

Department of Health
Corning Tower
Room 2364
Albany, NY 12237-0044

Department of Environmental Conservation
625 Broadway

Albany, NY 12233-1500

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

August 2, 2021

Harrison Fire Department
206 Harrison Avenue
Harrison, NY 10528

Re: Freedom of Information Request

Dear Chief Ralph Straface:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

500-520 Mamaroneck Avenue
Town of Harrison, Westchester County, New York
Owner: ESRT 500 Mamaroneck
Tax Parcel ID: 552801 0482.-8

This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs).

We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

September 14, 2021

Town Clerk
Town of Harrison
1 Heineman Pl.
Harrison, NY 10528

Re: Freedom of Information Request

Dear Jackie Geer:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

500-520 Mamaroneck Avenue
Town of Harrison, Westchester County, New York
Owner: ESRT 500 Mamaroneck
Tax Parcel ID: 552801 0482.-8

This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs).

We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

1/08 **FREEDOM OF INFORMATION LAW (FOIL) REQUEST** No. 582-21

Fax No: 914-835-2009

TO: TOWN/VILLAGE OF HARRISON - Town Clerk

NAME: Skylar Francis (Print) **TELEPHONE:** 845-401-4688

ADDRESS: 280 East Broad Street, Suite 200, Rochester, NY

E-MAIL ADDRESS: sfrancis@bergmannpc.com

I hereby request to examine the following records and to have copies made, if needed, after examination:
Description of Record:

Please see the attachment for the official FOIL request

FROM: ____ Law | X Building 9/17/21 | ____ Comptroller 9/22/21 | X Assessor no charge
____ Town Clerk | ____ Planning | ____ Tax | ____ Engineering
____ Public Works | X Zoning no charge | ____ Other (specify) Environmental

Relating to: BLOCK ____ **LOT(S)** ____ **PROPERTY ADDRESS:** 500 Mamaroneck Ave

PHOTO COPIES OF DOCUMENTS COST $.25 PER PAGE. COST FOR REPRODUCTIONS OF PLANS WILL VARY.

I X **/ want to have copies of the records made and agree to pay for them.** **FEE: $** 5.00

I ____ **/ do not want to have copies of the records made.**

Date: 9/14/2021 **Signature:** Skylar Francis

WARNING: **Examination of these records is covered by New York State Penalty Law.**

§175.20 Tampering with Public Records in the 2nd Degree is a Class A Misdemeanor
§175.24 Tampering with Public Records ~~in the 1st Degree~~ is a Class D Felony

Received by Town Clerk Jacqueline Greer **L/D** 9-17-21
Pursuant to Public Officers Law Article 6

Your request will be reviewed. Within five business days of the receipt of your request for a record reasonably described, the Town will either make such record available, deny the request in writing, or furnish a statement of the approximate date when such request will be granted or denied.

If copies are requested, they will be made available after payment of the appropriate fee.

For official use only
Called: ____
Called: ____
Called: ____

Frank P. Allegretti, Town Attorney

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

September 14, 2021

Town Clerk
Town of Harrison
1 Heineman Pl.
Harrison, NY 10528

Re: Freedom of Information Request

Dear Jackie Geer:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property:

500-520 Mamaroneck Avenue
Town of Harrison, Westchester County, New York
Owner: ESRT 500 Mamaroneck
Tax Parcel ID: 552801 0482.-8

This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs).

We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require.

Please let us know if you can accommodate this request in an expedient manner.

Please email if you have any questions.

Very truly yours,
Bergmann

Skylar Francis

SKYLAR J. FRANCIS
Assistant Project Manager
sfrancis@bergmannpc.com

FOIL DETERMINATION

Name: Francis, Skylar Number: 582-21 Date: 9 / 17 /2021

After review, your attached Freedom of Information Law (FOIL) request has been:

✓ / Granted (*provided the record is found to exist*)

The documents will be available to you within 30 days or on approximately _____

_____/ The request for building plans is approved based upon the FOIL AO 9056 (9/11/95) *provided that* the drawings do not show any references to alarms or security systems or other security features.

____/ Denied

____/ (a) specifically exempted from disclosure by state or federal statute;

____/ (b) unwarranted invasion of personal privacy;

____/ (c) impair present or imminent contract awards or collective bargaining negotiations;

____/ (d) trade secrets or submitted by a commercial enterprise or derived from information obtained from a commercial enterprise and which would cause substantial injury to the competitive position of the subject enterprise;

____/ (e) compiled for law enforcement purposes and would: i. interfere with law enforcement investigations or judicial proceedings; ii. deprive a person of a right to a fair trial or impartial adjudication; iii. identify a confidential source or disclose confidential information relating to a criminal investigation; or iv. reveal criminal investigative techniques or procedures;

____/ (f) would endanger the life or safety of any person;

____/ (g) inter-agency or intra-agency materials which are not: i. statistical or factual tabulations or data; ii. instructions to staff that affect the public; iii. final agency policy or determinations; external audits;

____/ (h) examination questions or answers requested prior to the final administration of such questions;

____/ (i) would jeopardize the capacity to guaranty the security of information technology assets.

____/ (j) photographs or video images prepared pursuant to §1111-a of Vehicle & Traffic Law.

____/ The matter requested could not be found, is not a "record" as defined in Public Officers Law §86, or does not exist. Public Officers Law §96 does not require the Town or Village to prepare any record not possessed or maintained by it. FOIL requires production of records, not answers to questions.

____/ Please provide more specificity as to what record you are seeking. The description was insufficient for purposes of locating and identifying the documents sought. See, *Konigsberg v. Coughlin*, 68 NY 2d 245, 249 (1986). The records requested are not maintained in a manner that permits their retrieval except by reviewing numerous of records individually in an effort to locate those falling within the scope of the request.

NOTICE: YOU HAVE A RIGHT TO APPEAL A DENIAL OF THIS APPLICATION. THE APPEALS OFFICER MUST DECIDE THE APPEAL, IN WRITING, SEVEN (7) DAYS AFTER RECEIPT OF APPEAL:

Jonathan D. Kraut, Appeals Officer
Alfred J. Sulla, Jr. Municipal Building
1 Heineman Place
Harrison, New York 10528

I HEREBY APPEAL:

Date: _____ Signature _____

FOIL 582-21

Rosemarie Cusumano to: Diana Minishi 09/17/2021 03:35 PM

Hi Diana,

Zoning has no information regarding this FOIL.

Thanks

Regards,

Rosemarie Cusumano
Planning Zoning & ARB
phone - 914-670-3077
fax - 914-220-6193
e-mail - rcusumano@harrison-ny.gov

Re: Fw: new 582-21

Megan Pierroz to: Diana Minishi 09/17/2021 04:24 PM
Cc: Michael Amodeo

Diana,

The Engineering Department does not have any information regarding what is requested.

Thank you,
Megan

Megan Pierroz
Assistant Engineer
Town/Village of Harrison
1 Heineman Place
Harrison NY 10528

Diana Minishi Diana Minishi Senior Clerk 09/17/2021 02:30:01 PM

From: Diana Minishi/Town Of Harrison
To: Engineering Department,
Date: 09/17/2021 02:30 PM
Subject: Fw: new 582-21

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov

----- Forwarded by Diana Minishi/Town Of Harrison on 09/17/2021 02:36 PM -----

From: Diana Minishi/Town Of Harrison
To: Suzanne Fuller/Town Of Harrison@Town Of Harrison, Rosemarie Cusumano/Town Of Harrison@Town Of Harrison,
Date: 09/17/2021 02:25 PM
Subject: new 582-21

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov

----- Forwarded by Diana Minishi/Town Of Harrison on 09/17/2021 02:31 PM -----

From: TownClerk@harrison-ny.gov
To: dminishi@harrison-ny.gov,
Date: 09/17/2021 02:24 PM
Subject: Message from KM_C554e

Re: new 582-21
Suzanne Fuller to: Diana Minishi 09/22/2021 10:37 AM

The Building Dept. or Fire Prevention have no records pertinent to this request.

Best Regards,

Suzanne Fuller
Sr. Office Assistant - Office Manager
Town/Village of Harrison
Building Department
1 Heineman Place
Harrison, NY 10528
(914)670-3056 Phone
(914)835-7491 Fax
https://www.harrison-ny.gov/building-department
https://buildingdepartment.appointlet.com/

Diana Minishi Diana Minishi Senior Clerk 09/17/2021 02:25:52 PM

From: Diana Minishi/Town Of Harrison
To: Suzanne Fuller/Town Of Harrison@Town Of Harrison, Rosemarie Cusumano/Town Of Harrison@Town Of Harrison,
Date: 09/17/2021 02:25 PM
Subject: new 582-21

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov
----- Forwarded by Diana Minishi/Town Of Harrison on 09/17/2021 02:31 PM -----

From: TownClerk@harrison-ny.gov
To: dminishi@harrison-ny.gov,
Date: 09/17/2021 02:24 PM
Subject: Message from KM_C554e

[attachment "SKM_C554e21091715180.pdf" deleted by Suzanne Fuller/Town Of Harrison]

Re: new 582-21
Jessica Grutteria to: Diana Minishi 09/22/2021 03:16 PM

Diana,

I have sent whatever information I have in regards to the assessments but that is all of the information that I have for this property I do not have any other information for the questions they have provided.

Best,

Jessica Grutteria

Diana Minishi Diana Minishi Senior Clerk 09/22/2021 02:46:19 PM

From: Diana Minishi/Town Of Harrison
To: Jessica Grutteria/Town Of Harrison@Town Of Harrison,
Date: 09/22/2021 02:46 PM
Subject: new 582-21

Diana Minishi
Senior Clerk
Town/Village of Harrison
Town Clerks Office
Telephone #914-670-3032
Fax # 914-835-2009
e-mail: Dminishi@harrison-ny.gov
----- Forwarded by Diana Minishi/Town Of Harrison on 09/22/2021 02:52 PM -----

From: TownClerk@harrison-ny.gov
To: dminishi@harrison-ny.gov,
Date: 09/22/2021 02:42 PM
Subject: Message from KM_C554e

[attachment "SKM_C554e21092215370.pdf" deleted by Jessica Grutteria/Town Of Harrison]

Block	Lot
482	8 (8-26&26.1)

Map

Sec. Block Lot

Location of Property
500-520 Mamaroneck Avenue

SPECIAL DISTRICTS

Fire No.	2	Special Sewer			
Water F.P.		Drainage			
Sewer No.		County Sewer	M		
Special Water					

LAND RECORD

Water	✓	Low		Dirt Street	
Sewer	✓	Woodland		Gravel or equal	
Gas	✓	Rocky		Hard Surface	✓
Electricity	✓	Hillside		No Street	
		Swampy		Sidewalk	
Level	✓	Rough		Curb	
High				Gutter	

REPUTED OWNER	REMARKS	Frontage Figured	Average Depth	Unit Price	Unit %	Front Foot Price	Corr. Infl.	Total	Depr.	Sound Value
00 MAMARONECK AVENUE L P ET AL (8-26&26.1)										
C 34.548 464 482 8										
SRT 500 MAMARONECK AVENUE LLC	10/7/13 - 41,229,043.55									
	Reduction Denied By Board Of Review 2008 Roll									
	Board Of Review Granted 2009 Roll Reduction (-162,000)									
	BAR Granted Red. (-125,000) 2011 Roll									
	Consent judgment 2014 65723/14 0									
	65673/15 -3000									
	63963/16 -15000									
	64269/17 -35,225									

SUMMARY

2006	Land	259,000
	Bldgs.	703,000
	Total	962,000
2007	Land	259,000
	Bldgs.	703,000
	Total	962,000
2008	Land	259,000
	Bldgs.	703,000
	Total	962,000
2009	Land	259,000
	Bldgs.	~~703,000~~ 541,000
	Total	~~962,000~~ 800,000
2010	Land	259,000
	Bldgs.	541,000
	Total	800,000
2011	Land	259,000
	Bldgs.	~~541,000~~ 416,000
	Total	~~800,000~~ 675,000
2012	Land	259,000
	Bldgs.	416,000
	Total	675,000
2013	Land	259,000
	Bldgs.	416000
	Total	675000
2015	Land	259000
	Bldgs.	416000
	Total	675000
2020	Land	259,000
	Bldgs.	380,775
	Total	639,775

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Ram'd.	Cond	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
1	Office Building			AA	1986							

FOUNDATION
Conc. Walls
Conc. Blk. Walls
Stone Walls
Brick Above Grade
Stone Above Grade
Piers

BASEMENT AREA
Full Basement
1/4 1 1/2 1 3/4

EXTERIOR WALLS
Clapboards
Drov. Siding
Vert. Siding
Wood Shingles
Asph. Shingles
Asb. Shingles
Brownstone
Alum. Siding
Stuc. on Frame
Stuc. on Conc. Blk.
Solid Conc. Brick
Conc. Br. on Conc. Blk.
Conc. Brick Veneer
Br. on Conc. Blk.
Br. Brick on Br.
Br. Brick Veneer
Solid Stone
Stone on Conc. Blk
Stone on Brick
Stone Veneer

Insulation
Weather Stripping

EXTERIOR TRIM
Main
Ornamental
Wood Sash
Half Timbered
Gutters
Leaders

ROOFING
Asph. Shingles
Wood Shingles
Asb. Shingles
Slate—Standard
Slate—Heavy
Spanish Tile
Metal
Tar & Gravel
Composition
Roll Roofing

ROOF TYPE
Gable
Hip
Mansard
Gambrel
Flat
Shed

FLOORS
Conc. Flr. Basement
Earth Flr. Basement
Wood Flr. Basement
Pine 1st
Hardwood 1st
Single Floor 1st
Pine 2nd
Hardwood 2nd
Single Floor 2nd
Pine 3rd
Hardwood 3rd
Single Floor 3rd
Parquet
Pin Plank
Terrazzo
Marble
Linoleum
Tile
Rubber Tile
Asphalt Tile

FLOOR CONSTRUCTION
Wood Joists
Steel Beams
Reinf. Concrete
Mill

INTERIOR FINISH

	B.	1st	2nd	3rd
Pine				
Hdwd				
Plaster				
Sht. Rk				
Unf. Int				
Fin. Int.				
Ply. Pnl.				

Match Bead
Paneled Hardwood
Paneled Softwood
Marble

ATTIC & BSMT. FINISH
Attic Flr. & Stairs
Fin. Attic Area
Fin. Bsmt. Area
Garage in Bsmt.
O.H. Doors

ROOMS

Bsmt.	1st
2nd	3rd
4th	5th

HEATING
Steam
Hot Water
Hot Air
Air Cond.
Radiant
Circulator
Oil Burner
Gas Boiler
No Heat. System

FIREPLACES
Fireplace Stacks
Fireplaces
Incinerator

LIGHTING SYSTEM
Electric
No Light. System

PLUMBING SYSTEM
Bathrooms A
Bathrooms B
Bathrooms C
Stall Show. Bath Rm.
Stall Show. Extra
Toilet Rooms A
Toilet Rooms B
Water Closet Extra
Lavatory Extra
Sink Extra
Urinal
Laundry Tub
Tankless Heater
Auto. Water Heater
Septic Tank
Priv. Water System
Artesian Well
Water Only
No Plumbing

TILING
Bth. Floor & Wains.
Bth. Floor & Walls
Bth. Floor Only
Toilet Rm. Fl. & Wains.
Toilet Rm. Fl. & Walls
Toilet Rm. Fl. Only
A Round Tub
Kitchen Fl. & Wains.
Kitchen Fl. & Walls
Kitchen Fl. Only

LOCATION
Good | Fair | Poor

INCOME

TOTALS

CofC issued 2/5/2010
03-8891
05-11806
06-12118
07-14966
05-11380

comp BP + CofC
08-8671
07-14466
07-15289
08-15668
08-15826
08-15827
08-16238

86,200
comp BP 07-14466
inc BP 07-15304
08-15477
08-15500
comp — 10-17830
10-17976

2nd Floor cafeteria upgrade.

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR	
Concrete		Concrete	
Masonry		Earth	
Piers		Wood	
Mach. Block			

WALLS		ROOFING	
Single Siding		Asph. Shingle	
Double Siding		Wood Shingle	
Wood Shingle		Slate	
Asph. Shingle			
Asb. Shingle		Roll Roofing	
Roll Roofing		Metal	
Stucco on Frame			
Stucco on C.B.			
Conc. Blk.		EXTRAS	
Solid Com. Brk.		Elec. Lighting	
Face Brick Ven.		Heating	
Com. Brick Ven.		Water	
Stone		Plumbing	
Metal		Fin. Int.	
Gutters		Rooms	
Leaders		O. H. Doors	

SQUARE FEET	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

Base Price		275,000 SF	CofC 5/22/10
CofO 12/9/2010		SF	10-17830
Sp. 20-31164		SF	CofC 6/21/10
CofO Const. 1/14/2011		SF	10-18058
Int. 20-31165		SF	CofC 12/13/10
Weather St.		SF	10-17976
		SF	10-18766 1/6/11
Roofing		SF	CofC 3/8/11
Floor		SF	10-18889
Floor		SF	CofO 8/23/11
			10-18976
Int. Finish			CofC 5/3/11
Int. Finish	Gar. in Bsmt.		11-19259
Attic Floor	Oil Burner		CofC 9/27/12
Attic Fin.			09-17313
Bsmt. Fin.	Fire Places		CofO 7/3/13
Mult. Fam.	Plumbing		18-27534
Heating	Tiling		CofO 12/23/19
Lighting			19-27608
			CofO 7/17/2020
			18-30226
TOTAL BASE	REPL. VALUE		

	Bldg. No.		Bldg. No.
2006	Bldg. No. 1	703,000	
	CofO BP 04/2005		
	Total	703,000	Total
2007	Bldg. No. 1	703,000	
	Total	703,000	Total
2008	Bldg. No.	703,000	
	Total	703,000	Total
2009	Bldg. No.	703000 541,000	
	Total	703000 541,000	Total
2010	Bldg. No.	541,000	
	Total	541,000	Total
2011	Bldg. No.		
	comp BP 09-17313		
		416,000	
	Total	541,000	Total
2012	Bldg. No.		
	Total	416,000	Total
2013	Bldg. No.		
	inc BP 14-22869		
	Total	416000	Total
2018	Bldg. No.		
	Total	380,775	Total

482 8(8-26&26.1)

Map

Sec. Block Lot

Location of Property

500-520 Mamaroneck Avenue

SPECIAL DISTRICTS			
Fire No	2	Special Sewer	
Water F.P.		Drainage	
Sewer No		County Sewer	M
Special Water			

LAND RECORD					
Water	✓	Low	✓	Dirt Street	
Sewer	✓	Woodland	✓	Gravel or equal	
Gas	✓	Rocky	✓	Hard Surface	✓
Electricity	✓	Hillside	✓	No Street	
		Swampy		Sidewalk	
Level		Rough	✓	Curb	
High	✓			Gutter	

Year		
1994	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1995	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1996	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1997	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1998	Land	200,000
	Bldg.	1,150,500
	Total	1,350,500
1999	Land	259,000
	Bldg.	878,000
	Total	1,137,000
2000	Land	259,000
	Bldg.	878,000
	Total	1,137,000
2001	Land	259,000
	Bldg.	821,500
	Total	1,080,500
2002	Land	259,000
	Bldg.	756,500
	Total	1,015,500
2003	Land	259,000
	Bldg.	761,000
	Total	1,020,000

Year		
1984	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1985	Land	199,620
	Bldg.	—
	Total	199,620
1986	Land	199,620
	Bldg.	350,000
	Total	549,620
1987	Land	199,620
	Bldg.	1,150,000
	Total	1,349,620
1988	Land	199,620
	Bldg.	1,150,000
	Total	1,349,620
1989	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1990	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1991	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1992	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070
1993	Land	199,620
	Bldg.	1,202,450
	Total	1,402,070

REPUTED OWNER

SCHULMAN LOWELL M (8-26&26.1)
AC 34.548 330 482 8

500 MAMARONECK AVENUE ASSOC (8-26&26.1)
AC 34.548 330 482 8

500 MAMARONECK AVENUE ASSOC (8-26&26.1)
AC 34.548 UNFIN 482 8

500 MAMARONECK AVENUE ASSOC ~~(8-26&26.1)~~
AC 34.548 464 482 8

500 MAMARONECK AVENUE L P ET AL (8-26&26.1)
AC 34.548 464 482 8

REMARKS	Frontage Figured	Average Depth	Unit Price	Unit %	Front Foot Price	Corn. Infl.	Total	Depr.	Sound Value
19,200 [illegible] @ [illegible]									19,200
19,200 [illegible] @ [illegible] (Condemnation)									[illegible]
									182,000
Exemption denied by Board of Review 8/28/84									
9/99 - 42,655,200 (5 volume)									
Reduction Granted by Board of Review 2004 Roll									
Reduction (-175,000) Certiorari settlement									
Reduction denied by Board of Review 8/28/87									
B.A.R.(Correction of Errors)-1998 Roll									
B.A.R.reduction($142200)-1999 Roll.									
Board of Review Denied 2001 Roll									
Court ordered reduction-Index No 146710/01 Reduction - $6,500									
Bd Of Review Denied 2002 Roll									
Court ordered reduction-Index No 15898/02 Reduction - $21,500									
Reduction Denied By Board Of Review 2003 Roll									
Court ordered reduction Index No. 162803 Reduction - $17,000									

SUMMARY

Year			Year		
1984	Land	199,620	1994		199,620
	Bldgs.				1,202,450
	Total	199,620			1,402,070
1985	Land	199,620	1995		199,620
	Bldgs.	—			1,202,450
	Total	199,620			1,402,070
1986	Land	199,620	1996		199,620
	Bldgs.	350,000			1,202,450
	Total	549,620			1,402,070
1987	Land	199,620	1997		199,620
	Bldgs.	1,150,000			1,202,450
	Total	1,349,620			1,402,070
1988	Land	199,620	1998	R	200,000
	Bldgs.	1,150,000			1,150,500
	Total	1,349,620		B	1,350,500
1989	Land	199,620	1999	R	259,000
	Bldgs.	1,202,450			878,000
	Total	1,402,070		B	1,137,000
1990	Land	199,620	2000		259,000
	Bldgs.	1,202,450			878,000
	Total	1,402,070			1,137,000
1991	Land	199,620	2001	~~259,000~~	259,000
	Bldgs.	1,202,450		~~878,000~~	821,500
	Total	1,402,070		~~1,137,000~~	1,080,500
1992	Land	199,620	2002	~~259,000~~	259,000
	Bldgs.	1,202,450		~~878,000~~	756,500
	Total	1,402,070		~~1,137,000~~	1,015,500
1993	Land	199,620	2003	~~259,000~~	259,000
	Bldgs.	1,202,450		~~878,000~~	761,000
	Total	1,402,070		~~1,137,000~~	1,020,000

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Rem'd.	Cond.	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
1	OFFICE BUILDING			AA	1986		G	5%				1,202,000
2	R-CONVEY DESK	Steel Pipe	8'x8'		1989							

FOUNDATION
Conc. Walls
Conc. Blk. Walls
Stone Walls
Brick Above Grade
Stone Above Grade
Piers

BASEMENT AREA
Full Basement
4 1½ 1½

EXTERIOR WALLS
Clapboards
Nov. Siding
Vert. Siding
Wood Shingles
Asph. Shingles
Asb. Shingles
Permastone
Alum. Siding
Stuc. on Frame
Stuc. on Con. Blk.
Solid Com. Brick
Com. Br. on Con. Blk.
Com. Brick Veneer
Sc. Br. on Con. Blk.
Sc. Brick on Br.
Sc. Brick Veneer
Solid Stone
Stone on Conc. Blk.
Stone on Brick
Stone Veneer
Insulation
Weather Stripping

EXTERIOR TRIM
Main
Ornamental
Steel Sash
Half Timbered
Gutters
Leaders

ROOFING
Asph. Shingles
Wood Shingles
Asb. Shingles
Slate—Standard
Slate—Heavy
Spanish Tile
Metal
Tar & Gravel
Composition
Roll Roofing

ROOF TYPE
Gable
Hip
Mansard
Gambrel
Flat
Shed

FLOORS
Cem. Flr. Basement
Earth Flr. Basement
Wood Flr. Basement
Pine 1st
Hardwood 1st
Single Floor 1st
Pine 2nd
Hardwood 2nd
Single Floor 2nd
Pine 3rd
Hardwood 3rd
Single Floor 3rd
Parquet
Pin Plank
Terrazzo
Marble
Linoleum
Tile
Rubber Tile
Asphalt Tile

FLOOR CONSTRUCTION
Wood Joists
Steel Beams
Reinf. Concrete
Mill

INTERIOR FINISH

	B	1st	2nd	3rd
Pine				
Hdwd.				
Plaster				
Sht. Rk.				
Unf. Int.				
Fin. Int.				
Ply. Pnl.				

Match Bead
Paneled Hardwood
Paneled Softwood
Marble

ATTIC & BSMT. FINISH
Attic Flr. & Stairs
Fin. Attic Area
Fin. Bsmt. Area
Garage in Bsmt.
O.H. Doors

ROOMS

Bsmt.	1st
2nd	3rd
4th	5th

HEATING
Steam
Hot Water
Hot Air
Air Cond.
Radiant
Circulator
Oil Burner
Gas Boiler
No Heat. System

FIREPLACES
Fireplace Stacks
Fireplaces
Incinerator

LIGHTING SYSTEM
Electric
No Light. System

PLUMBING SYSTEM
Bathrooms A
Bathrooms B
Bathrooms C
Stall Show. Bath Rm.
Stall Show. Extra
Toilet Rooms A
Toilet Rooms B
Water Closet Extra
Lavatory Extra
Sink Extra
Urinal
Laundry Tub
Tankless Heater
Auto. Water Heater
Septic Tank
Priv. Water System
Artesian Well
Water Only
No Plumbing

TILING
Bth. Floor & Wains.
Bth. Floor & Walls
Bth. Floor Only
Toilet Rm. Fl. & Wains.
Toilet Rm. Fl. & Walls
Toilet Rm. Fl. Only
A Round Tub
Kitchen Fl. & Wains.
Kitchen Fl. & Walls
Kitchen Fl. Only

LOCATION
Good | Fair | Poor

INCOME

TOTALS

Note: 1/1 Bldgs. (3) - Old Incinerator & demolished - 1989 Roll - Demolition Permit #242

1984 Roll Bldg. #1 723,000

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR	
Concrete		Concrete	
Masonry		Earth	
Piers		Wood	
Mscl. Block			

WALLS		ROOFING	
Single Siding		Asph. Shingle	
Double Siding		Wood Shingle	
Wood Shingle		Slate	
Asph. Shingle			
Asb. Shingle		Roll Roofing	
Roll Roofing		Metal	
Stucco on Frame			
Stucco on C.B.			
Conc. Blk.		EXTRAS	
Solid Com. Brk.		Elec. Lighting	
Face Brick Ven.		Heating	
Com. Brick Ven.		Water	
Stone		Plumbing	
Metal		Fin. Int.	
Gutters		Rooms	
Leaders		O. H. Doors	

SQUARE FEET	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

Base Price	275,000 SF	6.49	1,785,000
	SF		
Bsmt. Area	275,000 SF	4.37	1,201,750
Wall Const.	SF		
Insulation	SF		
Weather St.	SF		
	SF		
Roofing	SF		
Floor	SF		
Floor	SF		
Int. Finish			
Int. Finish		Gar. in Bsmt.	
Attic Floor		Oil Burner	
Attic Fin.			
Bsmt. Fin.		Fire Places	
Mult. Fam.		Plumbing	
Heating		Tiling	
Lighting			
TOTAL BASE		REPL. VALUE	

Year	Bldg. No.		Year	Bldg. No.	
1984	Total		1984	Total	1,202,000
1985	Total		1985	Total	1,202,000
1986	Total	350,000	1986	Total	1,202,000
1987	Total	1,150,000	1987	Total	1,202,000
1988	Total	1,150,000	1988	Total	1,150,000
1989	Total	1,202,000	1989	Total	1,202,000
1990	Total	1,202,000	1990	Total	873,000
1991	Total	1,202,000	1991	Total	821,500
1992	Total	1,202,000	1992	Total	756,500
1993	Total	1,202,000	1993	Total	761,000

Block	Lot
482	8 (8-26&26.1)

Map

Sec. Block Lot

Location of Property

500-520 Manaroneck Avenue

REPUTED OWNER

SCHULMAN LOWELL M (8-26&26.1)
AC 34.348 400 482 8

SPECIAL DISTRICTS

Park No.		Garbage No.	~~1~~	County Sewer	M
Water No.					
Light No.	~~1~~	Sewer No.		School No.	/ ~~6~~
Fire No.	2				

LAND RECORD

Water	✓	Low		Dirt Street	
Sewer	✓	Woodland		Gravel or equal	
Gas	✓	Rocky		Hard Surface	✓
Electricity	✓	Hillside		No Street	
		Swampy		Sidewalk	
Level		Rough		Curb	
High	✓			Gutter	

REMARKS

As merged T.B.Res.dated 3/7/84

Frontage Figured	Average Depth	Unit Price	Unit %	Front Foot Price	Corn. Inff.	Total	Depr.	Sound Value

SUMMARY

1956	Land		1966	
	Bldgs.			
	Total			
1957	Land		1967	
	Bldgs.			
	Total			
1958	Land		1968	
	Bldgs.			
	Total			
1959	Land		1969	
	Bldgs.			
	Total			
1960	Land		1970	
	Bldgs.			
	Total			
1961	Land		1971	
	Bldgs.			
	Total			
1962	Land		1972	
	Bldgs.			
	Total			
1963	Land		1973	
	Bldgs.			
	Total			
1964	Land		1982	
	Bldgs.			
	Total			
1965	Land		1983	139580
	Bldgs.			13970
	Total			153580

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Rem'd.	Cond.	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
1	Incinerator	2" Brick			1954				90%		122750	12275
2	Shed	1" Boards Covered Pa	10x10						90%	260	234	25

FOUNDATION	✓
Conc. Walls	✓
Conc. Blk. Walls	
Brick Walls	
Stone Walls	
Brick Above Grade	
Stone Above Grade	
Piers	

BASEMENT AREA	✓
Full Basement	✓
1/4 | 1/2 | 3/4	

EXTERIOR WALLS	✓
Clapboards	
Nov. Siding	
Vert. Siding	
Wood Shingles	
Asph. Shingles	
Asb. Shingles	
Vermestone	
Stuc. on Frame	
Stuc. on Con. Blk.	
Solid Com. Brick	✓
Com. Br. on Con. Blk.	
Com. Brick Veneer	
Sc. Br. on Con. Blk.	
Sc. Brick on Br.	
Sc. Brick Veneer	
Solid Stone	
Stone on Conc. Blk.	
Stone on Brick	
Stone Veneer	
Insulation	
Weather Stripping	

EXTERIOR TRIM	✓
Main	✓
Ornamental	
Steel Sash	✓
Half Timbered	
Gutters	
Leaders	

ROOFING	✓
Asph. Shingles	
Wood Shingles	
Asb. Shingles	
Slate—Standard	
Slate—Heavy	
Spanish Tile	
Metal	
Gr & Gravel	✓
Composition	
Roll Roofing	

ROOF TYPE	✓
Gable	
Hip	
Mansard	
Gambrel	
Flat	✓
Shed	

FLOORS	✓
Com. Flr. Basement	✓
Earth Flr. Basement	
Wood Flr. Basement	
Pine 1st	
Hardwood 1st	
Single Floor 1st	
Pine 2nd	
Hardwood 2nd	
Single Floor 2nd	
Pine 3rd	
Hardwood 3rd	
Single Floor 3rd	
Cork	
Parquet	
Pin Plank	
Terrazzo	
Marble	
Linoleum	
Tile	
Rubber Tile	
Asphalt Tile	

FLOOR CONSTRUCTION	
Wood Joists	
Steel Beams	
Reinf. Concrete	
Mill	

INTERIOR FINISH	1st	2nd	3rd
Pine			
Hardwood			
Enameled			
Plaster			
Sheet Rock			
Unfin. Int.	✓	✓	✓
Match Boad			
Paneled Hardwood			
Paneled Softwood			
Marble			

ATTIC & BSMT. FINISH	
Attic Flr. & Stairs	
Fin. Attic Area	
Fin. Bsmt. Area	
Garage in Bsmt.	

ROOMS	
Bsmt.	1st
2nd	3rd

HEATING	✓
Steam	
Hot Water	✓
Vapor	
Hot Air	
Air Cond.	
Radiant	
Pipeless Furnace	
Circulator	
Oil Burner	✓
Coal Stoker	
Gas Boiler	
No. Heat. System	

FIREPLACES	✓
Fireplace Stacks 2	✓
Fireplaces	
Incinerator	

LIGHTING SYSTEM	
Electric	
No Light. System	

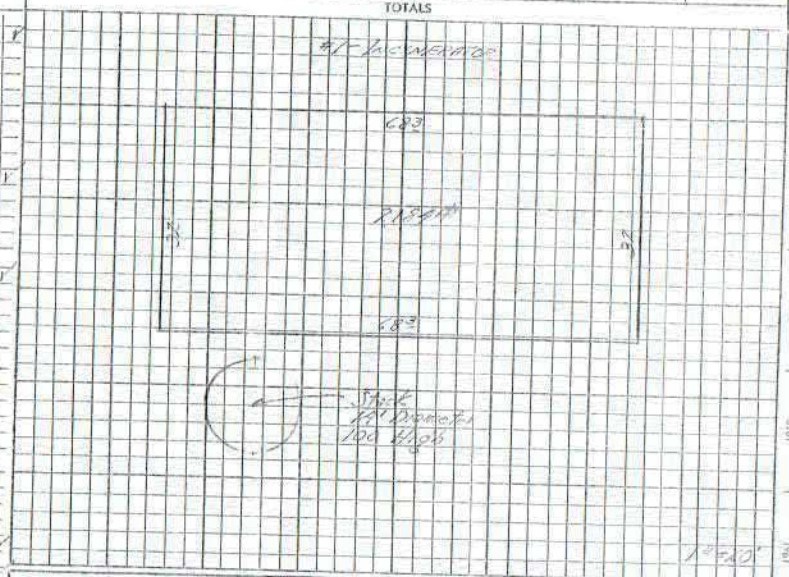
PLUMBING SYSTEM		
Bathrooms A		
Bathrooms B		
Bathrooms C		
Stall Show. Bath Rm.		
Stall Show. Extra	2	✓
Toilet Rooms A		
Toilet Rooms B	1	✓
Water Closet Extra		
Lavatory Extra		
Sink Extra		
Urinal	1	✓
Laundry Tub		
Tankless Heater		
Auto. Water Heater		
Septic Tank		
Priv. Water System		
Artesian Well		
Water Only		
No Plumbing		

TILING	
Bth. Floor & Wains.	
Bth. Floor & Walls	
Bth. Floor Only	
Toilet Rm. Fl. & Wains.	
Toilet Rm. Fl. & Walls	
Toilet Rm. Fl. Only	
Kitchen Fl. & Wains.	
Kitchen Fl. & Walls	
Kitchen Fl. Only	

LOCATION		
Good	Fair	Poor

INCOME

TOTALS



GARAGE OR OUTBUILDINGS					
FOUNDATION	2		FLOOR	2	
Concrete	✓		Concrete	✓	
Masonry			Earth		
Piers			Wood		
Mscl. Block					
WALLS			ROOFING		
Single Siding			Asph. Shingle	✓	
Double Siding			Wood Shingle		
Wood Shingle			Slate		
Asph. Shingle			Tile		
Asb. Shingle			Roll Roofing		
Roll Roofing			Metal		
Stucco on Frame			Gable	✓	
Stucco on C.B.					
Conc. Blk.			EXTRAS		
Solid Com. Brk.	✓		Elec. Lighting		
Face Brick Ven.			Heating		
Com. Brick Ven.			Water		
Stone			Plumbing		
Metal			Fin. Int.		
Gutters			Rooms		
Leaders			O. H. Doors		

SQUARE FEET	UNIT PRICE	REPL. VALUE
2 100	200	200

MAIN BUILDING COMPUTATIONS		
Base Price	SF	
	SF	
Bsmt. Area	SF	
Wall Const.	SF	
Insulation	SF	
Weather St.	SF	
	SF	
Roofing	SF	
Floor	SF	
Floor	SF	
Int. Finish		
Int. Finish		Gar. in Bsmt.
Attic Floor		Oil Burner
Attic Fin.		
Bsmt. Fin.		Fire Places
Mult. Fam.		Plumbing
Heating		Tiling
Lighting		
TOTAL BASE		REPL. VALUE

	Bldg. No.		Bldg. No.	
1955		1965		
Total		Total		
1957		1967		
Total		Total		
1959		1969		
Total		Total		
1961		1971		
Total		Total		
1963		1973	1200-1700	
Total		Total		
1965		1975		
Total		Total		
1967		1977	1	12250
Total		Total		20
			Total	12300

Block 482 Lot 8(8-26&26.1) Card 2 of 2

BUILDING RECORD

Bldg. No.	Occupancy	Construction	Size	Grade	Age	Rem'd.	Cond.	Phy. Depr.	Func. Depr.	Repl. Value	Phys. Value	Sound Value
3	Residence Transient Summer	1F			1970				9%		15750	15750

FOUNDATION
Conc. Walls
Conc. Blk. Walls
Brick Walls
Stone Walls
Brick Above Grade
Stone Above Grade
Piers

BASEMENT AREA
Full Basement
¼ 1 ½ 1 ¾

EXTERIOR WALLS
Clapboards
Nov. Siding
Vert. Siding
Wood Shingles
Asph. Shingles
Asb. Shingles
Permastone
Stuc. on Frame
Stuc. on Con. Blk.
Solid Com. Brick
Com. Br. on Con. Blk.
Com. Brick Veneer
Fc. Br. on Con. Blk.
Fc. Brick on Br.
Fc. Brick Veneer
Solid Stone
Stone on Conc. Blk.
Stone on Brick
Stone Veneer
Insulation
Weather Stripping

EXTERIOR TRIM
Plain
Ornamental
Steel Sash
Half Timbered
Gutters
Leaders

ROOFING
Asph. Shingles
Wood Shingles
Asb. Shingles
Slate—Standard
Slate—Heavy
Spanish Tile
Metal
Tar & Gravel
Composition
Roll Roofing

ROOF TYPE
Gable
Hip
Mansard
Gambrel
Flat
Shed

FLOORS
Cem. Flr. Basement
Earth Flr. Basement
Wood Flr. Basement
Pine 1st
Hardwood 1st
Single Floor 1st
Pine 2nd
Hardwood 2nd
Single Floor 2nd
Pine 3rd
Hardwood 3rd
Single Floor 3rd
Cork
Parquet
Pin Plank
Terrazzo
Marble
Linoleum
Tile
Rubber Tile
Asphalt Tile

FLOOR CONSTRUCTION
Wood Joists
Steel Beams
Reinf. Concrete
Mill

INTERIOR FINISH

	1st	2nd	3rd
Pine			
Hardwood			
Enameled			
Plaster			
Sheet Rock			
Unfin. Int.			

Match Bead
Paneled Hardwood
Paneled Softwood
Marble

ATTIC & BSMT. FINISH
Attic Flr. & Stairs
Fin. Attic Area
Fin. Bsmt. Area
Garage in Bsmt.

ROOMS
Bsmt. | 1st
2nd | 3rd

HEATING
Steam
Hot Water
Vapor
Hot Air
Air Cond.
Radiant
Pipeless Furnace
Circulator
Oil Burner
Coal Stoker
Gas Boiler
No Heat. System

FIREPLACES
Fireplace Stacks
Fireplaces
Incinerator

LIGHTING SYSTEM
Electric
No Light. System

PLUMBING SYSTEM
Bathrooms A
Bathrooms B
Bathrooms C
Stall Show. Bath Rm.
Stall Show. Extra
Toilet Rooms A
Toilet Rooms B
Water Closet Extra
Lavatory Extra
Sink Extra
Urinal
Laundry Tub
Tankless Heater
Auto. Water Heater
Septic Tank
Priv. Water System
Artesian Well
Water Only
No Plumbing

TILING
Bth. Floor & Wains.
Bth. Floor & Walls
Bth. Floor Only
Toilet Rm. Fl. & Wains.
Toilet Rm. Fl. & Walls
Toilet Rm. Fl. Only
Kitchen Fl. & Wains.
Kitchen Fl. & Walls
Kitchen Fl. Only

LOCATION
Good | Fair | Poor

INCOME

TOTALS

GARAGE OR OUTBUILDINGS

FOUNDATION		FLOOR	
Concrete		Concrete	
Masonry		Earth	
Piers		Wood	
Mscl. Block			
WALLS		**ROOFING**	
Single Siding		Asph. Shingle	
Double Siding		Wood Shingle	
Wood Shingle		Slate	
Asph. Shingle		Tile	
Asb. Shingle		Roll Roofing	
Roll Roofing		Metal	
Stucco on Frame			
Stucco on C.B.			
Conc. Blk.		**EXTRAS**	
Solid Com. Brk.		Elec. Lighting	
Face Brick Ven.		Heating	
Com. Brick Ven.		Water	
Stone		Plumbing	
Metal		Fin. Int.	
Gutters		Rooms	
Leaders		O. H. Doors	

SQUARE FEET	UNIT PRICE	REPL. VALUE

MAIN BUILDING COMPUTATIONS

Base Price	SF	
	SF	
Bsmt. Area	SF	
Wall Const.	SF	
Insulation	SF	
Weather St.	SF	
	SF	
Roofing	SF	
Floor	SF	
Floor	SF	
Int. Finish		
Int. Finish	Gar. in Bsmt.	
Attic Floor	Oil Burner	
Attic Fin.		
Bsmt. Fin.	Fire Places	
Mult. Fam.	Plumbing	
Heating	Tiling	
Lighting		
TOTAL BASE	REPL. VALUE	

1956	Bldg. No.		1966	Bldg. No.	
	Total			Total	
1957	Bldg. No.		1967	Bldg. No.	
	Total			Total	
1958	Bldg. No.		1968	Bldg. No.	
	Total			Total	
1959	Bldg. No.		1969	Bldg. No.	
	Total			Total	
1960	Bldg. No.		1970	Bldg. No.	
	Total			Total	
1961	Bldg. No.		1971	Bldg. No.	
	Total			Total	
1962	Bldg. No.		1972	Bldg. No.	
	Total			Total	
1963	Bldg. No.		1973	Bldg. No.	
	Total			Total	
1964	Bldg. No.		1974	Bldg. No.	
	Total			Total	
1965	Bldg. No.		1975	Bldg. No. 3	1970
	Total			Total	15750

BLOCK	LOT
482	8

MAP: Acreage

SECTION	BLOCK	LOT
3	13	5

LOCATION OF PROPERTY: Mamaroneck Avenue

SPECIAL DISTRICTS

	PARK NO.	✓	GARBAGE NO. 1	M	SANITARY SEWER
✓	WATER NO. 2		SIDEWALK NO.		RYE BOND
✓	LIGHT NO. 1		SEWER NO.	✓	SCHOOL NO. 6
	FIRE NO.				

LAND RECORD

WATER	✓	LOW	✓	DIRT STREET	
SEWER	✓	WOODLAND	✓	GRAVEL OR EQUAL	
GAS	✓	ROCKY	✓	HARD SURFACE	✓
ELECTRICITY	✓	HILLSIDE		NO STREET	
		SWAMPY		SIDEWALK	
LEVEL		ROUGH	✓	CURB & GUTTER	
HIGH	✓				

LAND SKETCH

REPUTED OWNER	REMARKS	FRONTAGE FIGURED	AVERAGE DEPTH	UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE
THERBERNE REALTY INC (8-9-25) AC 14.066 VAC	1951 In Rem D.A. Liber 5172 page 130 from Receiver of Taxes to Town of Harrison									
	482 8 D.A. Liber 5189 page 179 from Town of Harrison to Peter Panousis	2 "	ft @	4000				8000	1600	6400
		4 "	@	3000				12000		
		4 "	@	2500				10,000		
		4.066	@	2000				8132		
THERBERNE REALTY INC 14 MAMARONECK AVE WHITE PLAINS N Y										
TOWN OF HARRISON (8-9-25) AC 14.066 VAC	482 8									
PANOUSIS PETER (8-9-25) AC 14.066 VAC	482 8									
PETER PANOUSIS 479 62nd ST BROOKLYN N Y										
PANOUSIS PETER AC 14.066 VAC	482 8									
PETER PANOUSIS 479 62nd ST BROOKLYN N Y										
MARROS ARTHUR AC 14.066 VAC	482 8									
ARTHUR MARROS 161 E COLUMBUS AVE WHITE PLAINS N Y										

SUMMARY

1946	LAND	
	BLDGS.	
	TOTAL	
1947	LAND	19160
	BLDGS.	—
	TOTAL	19160
1948	LAND	19160
	BLDGS.	—
	TOTAL	19160
1949	LAND	19160
	BLDGS.	—
	TOTAL	19160
1950	LAND	19160
	BLDGS.	—
	TOTAL	19160
1951	LAND	19160
	BLDGS.	—
	TOTAL	19160
1952	LAND	19160
	BLDGS.	—
	TOTAL	19160
1953	LAND	19160
	BLDGS.	—
	TOTAL	19160
1954	LAND	19160
	BLDGS.	—
	TOTAL	19160
1955	LAND	19160
	BLDGS.	—
	TOTAL	19160

482 26

MAP Acreage

SECTION 3 BLOCK 13 LOT 13

LOCATION OF PROPERTY Mamaroneck Avenue

REPUTED OWNER

TOWN OF HARRISON
AC 23.93 VAC
TOWN OF HARRISON
AC 23.93 INCINERATOR

TOWN OF HARRISON
% COMPIROLLER
TOWN HOUSE
HARRISON N Y

SPECIAL DISTRICTS

PARK NO.	✓ GARBAGE NO. 1	M SANITARY SEWER	
✓ WATER NO. 2	SIDEWALK NO.	RYE BOND	
✓ LIGHT NO. 1	SEWER NO.	SCHOOL NO.	
FIRE NO.			

WATER	✓ LOW	DIRT STREET	
SEWER	✓ WOODLAND	✓ GRAVEL OR EQUAL	
GAS	✓ ROCKY	✓ HARD SURFACE	✓
ELECTRICITY	✓ HILLSIDE	✓ NO STREET	
	SWAMPY	SIDEWALK	
LEVEL	ROUGH	✓ CURB & GUTTER	
HIGH	✓		

FRONTAGE FIGURED	AVERAGE DEPTH	UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE

REMARKS

482 26

482 26

TRANSFERRED FROM TAXABLE - 1953 ROLL

Bldg. Permit # 738 complete for 1954 Roll.

SUMMARY

1946	LAND	
	BLDGS.	
	TOTAL	
1947	LAND	
	BLDGS.	
	TOTAL	
1948	LAND	
	BLDGS.	
	TOTAL	
1949	LAND	
	BLDGS.	
	TOTAL	
1950	LAND	
	BLDGS.	
	TOTAL	
1951	LAND	
	BLDGS.	
	TOTAL	
1952	LAND	
	BLDGS.	
	TOTAL	
1953	LAND	49600
	BLDGS.	
	TOTAL	[illegible]
1954	LAND	49600
	BLDGS.	12500
	TOTAL	62100
1955	LAND	49600
	BLDGS.	12500
	TOTAL	[illegible]

ASSESSMENT RECORD TOWN OF HARRISON WESTCHESTER COUNTY, N.Y.

482 8 (8-9-25)

MAP Acreage

SECTION 3 BLOCK 13 LOT 5

LOCATION OF PROPERTY Mamaroneck Ave

PARK NO.	GARBAGE NO. 1	M	SANITARY SEWER
✓ WATER NO. 2	SIDEWALK NO.		RYE BOND
✓ LIGHT NO. 3	SEWER NO.	✓	SCHOOL NO. 6
FIRE NO.			

WATER	✓	LOW	✓	DIRT STREET	
SEWER	✓	WOODLAND	✓	GRAVEL OR EQUAL	
GAS	✓	ROCKY	✓	HARD SURFACE	✓
ELECTRICITY	✓	HILLSIDE		NO STREET	
		SWAMPY		SIDEWALK	—
LEVEL		ROUGH	✓	CURB & GUTTER	—
HIGH	✓				

REPUTED OWNER	REMARKS	FRONTAGE FIGURED	AVERAGE DEPTH	UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE
14.066 Ac										
Gail Gardner 204 Central Park Sq. Manhattan, New York	For 1935 Lot 8 includes 8-9-25	2	Ac	@ 4000				8000	1600	6400
		4	Ac	@ 3000				12000	2400	9600
		4	Ac	@ 2500				10000	2000	8000
		4.066	Ac	@ 2000				8132	1626	6566
										30506
									TOTAL	28,506
GARDNER GAIL (8-9&25) AC 14.066 VAC	482 8									
GAIL GARDNER 205 EAST 62nd ST NEW YORK 21 N Y										
THERBERNE REALTY INC (8-9-25) AC 14.066 VAC	482 8	2	Ac	@ 2600				7200	1440	5760
		4		2700				10800	2925	7875
		4		2250				9000	2430	6570
		4.066		1800				7318	1975	5343
										25548
										6388
THERBERNE REALTY INC 14 MAMARONECK AVE WHITE PLAINS N Y										19160
		Reduction denied by B/R								
		Reduction denied by B/R 7/28/44								
	D.A. dated 1/7/46 recorded 1/9/46 Con. $100.00 Stamps $8.80.									

SUMMARY

Year		
1937	LAND	29530
	BLDGS	—
	TOTAL	29530
1938	LAND	28510
	BLDGS	—
	TOTAL	28510
1939	LAND	28510
	BLDGS	—
	TOTAL	28510
1940	LAND	28510
	BLDGS	—
	TOTAL	28510
1941	LAND	25550
	BLDGS	—
	TOTAL	25550
1942	LAND	25550
	BLDGS	—
	TOTAL	25550
1943	LAND	19160
	BLDGS	—
	TOTAL	19160
1944	LAND	19160
	BLDGS	—
	TOTAL	19160
1945	LAND	19160
	BLDGS	—
	TOTAL	19160
1946	LAND	19160
	BLDGS	—
	TOTAL	19160

ASSESSMENT RECORD TOWN OF HARRISON WESTCHESTER COUNTY, N.Y.

THE J. M. CLEMINSHAW CO., APPRAISAL ENGINEERS, CLEVELAND — NEW YORK

482 26

MAP

Acreage

SECTION 3 BLOCK 13 LOT 13

LOCATION OF PROPERTY

Mamaroneck Ave

PARK NO.	✓ GARBAGE NO. 1	M SANITARY SEWER	
✓ WATER NO. 2	SIDEWALK NO.	RYE BOND	
✓ LIGHT NO. 3	SEWER NO.	✓ SCHOOL NO. 6	
FIRE NO.			

WATER	✓ LOW		DIRT STREET
SEWER	✓ WOODLAND		✓ GRAVEL OR EQUAL
GAS	✓ ROCKY		✓ HARD SURFACE ✓
ELECTRICITY	✓ HILLSIDE		NO STREET
	SWAMPY		SIDEWALK —
LEVEL	ROUGH		✓ CURB & GUTTER —
HIGH	✓		

REPUTED OWNER	REMARKS	FRONTAGE FIGURED	AVERAGE DEPTH	UNIT PRICE	UNIT %	FRONT FT. PRICE	CORNER INFL.	TOTAL	$ DEPR.	SOUND VALUE
23.93 Ac										
Constantine Fill Corp 1 Liberty Street New York, New York	9/5/36 Stps $10.00	5.5	Ac	@ 4000				22000	5500	16500
		5	Ac	@ 3000				15000	3750	11250
		4.5	Ac	@ 2500				11250	2813	8437
		8.93	Ac	@ 2000				17860	4465	13395
										49582
Vac										
TOWN OF HARRISON AC 23.93 VAC	482 26									

SUMMARY

1937	LAND	6440
	BLDGS	—
	TOTAL	6440
1938	LAND	49600
	BLDGS	—
	TOTAL	49600
1939	LAND	49600
	BLDGS	—
	TOTAL	49600
1940	LAND	49600
	BLDGS	—
	TOTAL	49600
1941	LAND	49600
	BLDGS	—
	TOTAL	49600
1942	LAND	49600
	BLDGS	
	TOTAL	49600
1943	LAND	49600
	BLDGS	—
	TOTAL	49600
1944	LAND	49600
	BLDGS	—
	TOTAL	49600
1945	LAND	49600
	BLDGS	—
	TOTAL	49600
1946	LAND	49600
	BLDGS	—
	TOTAL	49600

THE J. M. CLEMINSHAW CO., APPRAISAL ENGINEERS, CLEVELAND — NEW YORK

AC 15.856 RES

GAIL GARDNER
139 W 56TH ST
NEW YORK N Y 3/24/32

GARDNER GAIL (8-9-25)
AC 18.066 RES

GAIL GARDNER
139 WEST 56TH ST
MANHATTAN N Y 5/31/35

GAIL GARDNER VAC.
204 CENTRAL PARK SO
NEW YORK N Y 9/7/37

GARDNER GAIL
AC 14.066 VAC

GAIL GARDNER
204 CENTRAL PARK SQ
NEW YORK N Y 11/8/37

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MAP Acreage
SEC. 3 PLK. 13 LOT 5
NO. ST.

PARK NO. | GARBAGE NO. 1 | M | SANITARY SEWER
WATER NO. 2 | SIDEWALK NO. | RYE BOND
LIGHT NO. 3 | SEWER NO. | SCHOOL NO. 6

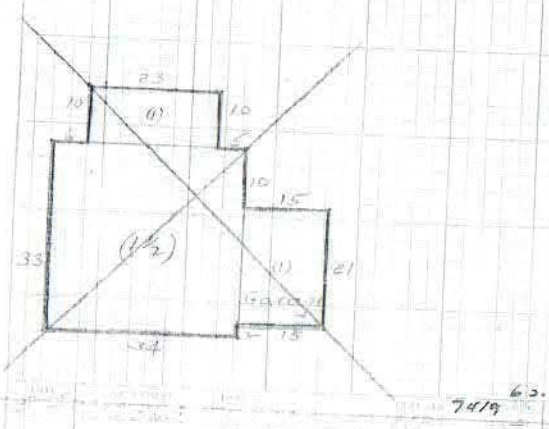
REMARKS	BUILDINGS	DIMENSIONS	PRICE	DEPTH FACTOR	FRONT FOOT PRICE			
		7.0 / 8.856 / 15.856	4000			28000 / 26760 / 54760	1930	LAND / BLDGS. / TOTAL
						54760	1931	LAND / BLDGS. / TOTAL
3/24/32 - Deeded to Town (Winfield Av) 0.064 Ac 15.92 Former Less 0.064 = Ac. 15.856		7.0 / 8.856 / 15.856	4000	5000 / 1500 / 2500	10287 / 17250 / 7140 / 44227		1932	RD. 56800 / LAND 39800 / BLDGS. / TOTAL 47600
						44227	1933	LAND / BLDGS. / TOTAL
	7787	4.760 / 6.900 / 1.010 / 15.856	4000 / 2000			7144 / 14280 / 15800 / 44864	1934	LAND / BLDGS. / TOTAL
5/31/35-area corrected by survey. For 1935 Lot 8 includes Lots 8-9-25.	7788	5.000 2.0 / 4.000 2.0 / 9.066 14.066 / 18.066 11.066			8000 / 6000 / 28132 / 42132	20000 / 12000 / 18132	1935	LAND / BLDGS. / TOTAL
						42132	1936	LAND / BLDGS. / TOTAL
11/8/37 A p'd T/B Res Ac. 4 trans to lot 70 (po 8)	6677	14.066 Ac.			29,530		1937	LAND 29,530 / BLDGS. / TOTAL 29,530
							1938	LAND / BLDGS. / TOTAL
							1939	LAND / BLDGS. / TOTAL
							1940	LAND / BLDGS. / TOTAL

ASSESSMENT RECORD TOWN OF HARRISON WESTCHESTER COUNTY, NEW YORK

21- Lindsay Bureau Div., Remington Rand, Inc. BP. 7698

TRANSFERRED TO BLOCK - 482

LOT - 70



CONSTRUCTION		
FOUNDATIONS	1934	
BASEMENT	1934	7719
FLOORS	1935	7419
		742
		6677
INTERIOR FINISH		
ROOF		
ROOFING		
HEATING		
LIGHTING		
PLUMBING		
MISCELLANEOUS		
10 ROOMS		

AC 23.93 VAC

DAVID LEVY
36 W 44TH ST
NEW YORK N Y

WALTER H LIEBMAN JR
60 EAST 42ND ST
NEW YORK N Y 12/19/32

LORENA C LAMBERT 1/16/36

MIDDLETOWN NEW JERSEY

CONSTANTINE FILL CORP
1 LIBERTY ST
NEW YORK N Y 9/5/36

482 26

MAP Acreage
SEC. 3 BLK. 13 LOT 13
NO. ST.

PARK NO. | CARBAGE NO. 1 | M | SANITARY SEWER
WATER NO. 2 | SIDEWALK NO. | RYE BOND
LIGHT NO. 3 | SEWER NO. | SCHOOL NO. 6

REMARKS	BUILDINGS	DIMENSIONS	UNIT PRICE	DEPTH FACTOR	FOOT PRICE			
		1.0 ac	5000			55000	1930	LAND 67000
		12.93 "	1500			19,395		BLDGS.
						74395		TOTAL 67000
						74395	1931	LAND 67000
								BLDGS.
								TOTAL 67000
		12.93 9.91	5000	5000 = 49550		55000	1932	LAND 63600
		12.93 7.94		2500 = 19850				B.R.
		6.08		1500 = 9120				BLDGS.
				79520				TOTAL 63600
11/16/32 -Stps $10. - Mtg.$22,500						70608	1933	LAND 63600
								BLDGS. B.R.
								TOTAL 63600
		9.91	4150	76800		39640	1934	LAND 65700
		6.08	3500	1700		21280		BLDGS.
		7.94	2000			15880		TOTAL 65700
		23.93				76800	1935	LAND
								BLDGS.
								TOTAL
1/16/36-Stps $2.00-Mtg $22,500.						76800	1936	LAND 61440
		Less 20% % Dump.				15360		BLDGS.
						61440		TOTAL
9/5/36-Stps $10.00	vacant					61440	1937	LAND 61440
								BLDGS.
								TOTAL 61440
							1938	LAND
								BLDGS.
								TOTAL
							1939	LAND
								BLDGS.
								TOTAL
							1940	LAND
								BLDGS.
								TOTAL

ASSESSMENT RECORD TOWN OF HARRISON WESTCHESTER COUNTY, NEW YORK

21-Library Bureau Div., Remington Rand, Inc. BP. 7688

westchestergov.com/foilform

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Westchester County COVID-19 Information

- All New Yorkers 12 years of age and older are now eligible for vaccination. Go to Westchester County Health Department to locate vaccine sites and to arrange for homebound vaccination or transportation assistance.
- For daily case updates, local testing sites and data trends, go to the Westchester County COVID-19 Dashboard or use the mobile version.

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  - › Board of Ethics
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  - › Police Reform Task Force
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FOIL Request Has Been Sent

Your request for information has been sent. Someone from the specified department will contact you soon.

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Francis, Skylar

From: FOIL-DEF <FOIL-DEF@westchestergov.com>
Sent: Tuesday, August 3, 2021 11:24 AM
To: Francis, Skylar
Subject: Re: Foil Request

Dear Ms. Francis:
I am in receipt of your email, dated and received August 2, 2021, requesting:

Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Ave, Town of Harrison, Westchester County, New York Land owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require. Please let us know if you can accommodate this request in an expedient manner. Please email if you have any questions.

Please be advised that after a diligent search, I certify that no records responsive to your request are in the possession of the Department of Environmental Facilities.

You may wish to submit your FOIL request to the Westchester County Department of Health.

Any appeal of the foregoing should be addressed to:

John M. Nonna, Esq.
Westchester County Attorney
148 Martine Avenue – Room 600
White Plains, New York 10601
FOIL-Appeals@westchestergov.com

Should you appeal, please include a copy of your FOIL request, and a copy of this response.

Very truly yours,
Robert Funicello
Records Access Officer
Department of Environmental Facilities

From: Skylar Francis <sfrancis@bergmannpc.com>
Sent: Monday, August 2, 2021 1:05 PM

To: FOIL-DEF
Subject: Foil Request

Information is being requested of: **FOIL-DEF@westchestergov.com.**
Individual or organization requesting the information:
Name: **Skylar Francis**
Street Address: **280 East Broad Street, Suite 200**
City: **Rochester**
Zip: **14604**
E-mail address: **sfrancis@bergmannpc.com**
Comments and request explained:
Dear Sir or Madam: Bergmann has been retained to conduct a Phase I Environmental Site Assessment on the property below. Bergmann requests copies of environmental files, environmental health records, and memoranda concerning the following property: 500-520 Mamaroneck Ave, Town of Harrison, Westchester County, New York Land owner: ESRT 500 Mamaroneck Tax Parcel ID: 552801 0482.8 This information should include: 1) past and present assessment records; 2) past and present aboveground and/or underground storage tank registration(s); 3) reported spills or releases of hazardous substances; 4) generation, storage, treatment, or disposal of hazardous substances; 5) past and present groundwater, surface water, and soil investigations and/or remediation; 6) environmental permits/violations; and 7) Environmental Liens or Activity Use Limitations (AULs). We would prefer to receive any documents electronically in PDF format. Once notified of your findings we will gladly pay copying costs associated with the documents we require. Please let us know if you can accommodate this request in an expedient manner. Please email if you have any questions. Very truly yours, Bergmann SKYLAR J. FRANCIS Assistant Project Manager sfrancis@bergmannpc.com

David Crosby - Re:DOH Concurrence-Periodic Review Report 01-31-14 For 500 Mamaroneck Ave Site # V00213

From: "Maureen E. Schuck" <mer10@health.state.ny.us>
To: "David Crosby" <dacrosby@gw.dec.state.ny.us>
Date: 3/26/2014 11:22 AM
Subject: Re:DOH Concurrence-Periodic Review Report 01-31-14 For 500 Mamaroneck Ave Site # V00213
CC: "Krista M. Anders" <kma06@notes.health.state.ny.us>

Dave,

I reviewed the December 2013 Periodic Review Report for the 500 Mamaroneck Avenue site. Minor repairs to maintain the asphalt parking lot are expected this spring, to ensure that the asphalt pavement remains a protective barrier by preventing direct contact exposures to residual sub-surface soil contamination. . Based on this review, the engineering and institutional controls remain in place and continue to be effective. Therefore, I find the report acceptable and have no additional comments.

Maureen

Maureen E. Schuck
Interim Chief, Regions 3 and 7

Bureau of Environmental Exposure Investigation
New York State Department of Health
*Empire State Plaza, Corning Tower, Room **1739***
Albany, NY 12237

mer10@health.state.ny.us
(518) 402-7860
fax. (518) 402-7859

"David Crosby" ---03/26/2014 09:51:49 AM---Any chance you can take a look at this? Was hoping to finalize PR by the end of the fiscal year. T

From: "David Crosby" <dacrosby@gw.dec.state.ny.us>
To: Maureen E. Schuck/BEEI/DEHI/CEH/OPH/DOH@NYSDOH,
Date: 03/26/2014 09:51 AM
Subject: Fwd: 500 Mamaroneck Ave V00213

Any chance you can take a look at this? Was hoping to finalize PR by the end of the fiscal year. Thanks dac

David A. Crosby
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233-7014

Bennett, William B (DEC)

From: Bennett, William B (DEC)
Sent: Tuesday, November 27, 2018 11:17 AM
To: Mike Feldman
Cc: Clara Sanchez; Carpenter, Kevin J (DEC)
Subject: RE: 500 Mamaroneck Avenue Harrison, NY Site No.: V00213

Dear Mike,

Your request for an extension to submit the Periodic Review Report for this site is accepted. The Periodic Review Report shall now be due by January 31, 2019.

Once scheduled, please let me know the date of your site inspection. If I have work at another site on the day chosen, I may try and join you since I've never seen the site. Thanks.

William Bennett
Professional Engineer 1
Remedial Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7014
Phone: (518) 402-9659
William.Bennett@dec.ny.gov

From: Mike Feldman <MFeldman@coneco.com>
Sent: Monday, November 26, 2018 2:52 PM
To: Bennett, William B (DEC) <william.bennett@dec.ny.gov>
Cc: Clara Sanchez <csanchez@empirestaterealtytrust.com>
Subject: 500 Mamaroneck Avenue Harrison, NY Site No.: V00213

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Bill: I am sending you this email to inform you that CONECO has not been able to perform the scheduled Site Visit in order to prepare a Site Management Periodic Review Report and IC/CEC Certification Submittal for the subject Site. The PPR was to have been completed and submitted to your office before December 4, 2018. I have been the Environmental Engineer for W&M Properties and now Empire State Realty Trust (ESRT) involved with this Site since the initial subsurface investigations were performed and the subsequent preparation and submittal of the Site Management Plans and annual Certification Submittals.

I am requesting a schedule extension of a few weeks for the submittal of the Certification for the Site as I am undergoing a medical procedure which was scheduled for January 21 and as of this morning has been moved up to tomorrow morning.
I have not been able to get out to the Site in order to prepare the Certification. I should be back in the office end of next week and able to perform the Site visit before the end of December with submittal of the Certification by the middle of January 2018.

I would appreciate any additional time you can provide in order for ESRT to comply with NY DEC regulations. Than you Mike .

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

Bennett, William B (DEC)

From: Mike Feldman <MFeldman@coneco.com>
Sent: Friday, December 07, 2018 11:29 AM
To: Bennett, William B (DEC)
Cc: Clara Sanchez; Nostaszewski@empirestaterealtytrust.com
Subject: 500 Mamaroneck Avenue Site NO. V00213

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Bill: I am scheduled to meet the Empire State Realty Trust Site Manager, Norbert Ostaszewski, to perform the Inspection/Certification of Engineering Controls including Asphalt Paved Parking lots; Vegetative Cover Areas; and External Buffer Zone on Monday December 10, 2018 a 10:00 am. We will complete the Remedy Inspection Form (Table 8-2), the NYDEC Institutional and Engineering Controls Certification Form and take pictures of the individual engineering controls and submit them with a letter report to your attention. Any questions please call or email. Thanks you Mike

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

Bennett, William B (DEC)

From: Mike Feldman <MFeldman@coneco.com>
Sent: Monday, December 10, 2018 3:26 PM
To: Clara Sanchez
Cc: Nostaszewski@empirestaterealtytrust.com; Bennett, William B (DEC)
Subject: 500 Mamaroneck Avenue

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Clara: Norbert and I completed the site walk/ compliance inspection of the Site for the IC/EC Certification this morning. The inspection was performed to comply with the Site Management Plan which is part of the NYDEC approved Remedial Action Work Plan (RAWP) prepared for the Site by ERM and approved by NYDEC on May 11, 2005. The RAP was prepared as the remedy for impacted soil at the 500 Mamaroneck Avenue property (the "Site").

The Site remedy relies on the continued maintenance of the existing engineering controls to prevent direct human contact with soil in all areas of the Site. The specific engineering controls inspected included the asphalt pavement throughout the Site (driveways and parking lots), vegetative cover east and south berms located at the limits of the pave parking lots and grassed areas located on the eastern and northeastern portions of the Site, and the external Buffer Zone, the approximately 20-acre are of the Site located to the east of the developed areas of the Site. CONECO should have a report ready for your review and subsequent submittal to NYDEC in a few weeks. Thanks Mike

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

Bennett, William B (DEC)

From: Bennett, William B (DEC)
Sent: Thursday, May 23, 2019 8:25 AM
To: Mike Feldman
Cc: Carpenter, Kevin J (DEC)
Subject: RE: 500 Mamaroneck Ave, Site No. V00213, Harrison, NY

Dear Mr. Feldman,

For the planned project described in your e-mail, the site owner will need to complete the Department's 60-Day Advance Notification of Site Change of Use form. This form is located at:

https://www.dec.ny.gov/docs/remediation_hudson_pdf/changeofuse.pdf

Following review of the Change of Use form, the Department may request additional information on the planned Change of Use. However, the general approach you discuss below is appropriate for the construction planned.

William Bennett
Professional Engineer 1

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014
P: 518-402-9659 | F: 518-402-9679| william.bennett@dec.ny.gov

www.dec.ny.gov | | |

From: Mike Feldman <MFeldman@coneco.com>
Sent: Wednesday, May 22, 2019 2:29 PM
To: Bennett, William B (DEC) <william.bennett@dec.ny.gov>
Subject: 500 Mamaroneck Ave, Site No. V00213, Harrison, NY

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good afternoon Bill. Empire State Realty Trust , Inc. (ESRT) is the owner and Certifying Party for the property located at 500 Mamaroneck Ave in Harrison. The site is improved with an office building and associated asphalt paved parking lots. The remedy for the Site consists of institutional and engineering controls. The institutional controls include a deed restriction that specifies permitted uses of the property (office building) and engineering controls such as the maintenance of the asphalt pavement over the parking lot areas to prevent direct contact with the limited residual PAH and metals constituents in the subsurface soils from the historical use of the Site by the Harrison municipal incinerator.

Presently we are submitting a PPR and associated Certification on a 5-year basis (last submitted to NYDEC in December 2018 and accepted May 7, 2019). However, the engineering controls are monitored daily.
ESRT is considering installation of solar panels in portions of the asphalt paved parking lots and potentially installation of covered parking in portions of the asphalt paved parking lots which would have solar panels on top.

Would you be able to determine if this would be allowed by NYDEC. Any installation of solar panels or covered parking that would result in penetrations through engineering controls such as the asphalt paved surfaces would be monitored by an Environmental Professional and the Health and Safety Plan included in the remedial action work plan

(RAWP) would be implemented and adhered to. In addition, any soil/material excavated and accumulated would be handled appropriately in accordance with the RAWP and NYDEC regulations.

Any guidance you could provide would be greatly appreciated. Mike

Mike Feldman
Principal/Senior Engineer

90 National Drive • Glastonbury, CT 06033
Phone: 860-659-8558
Mobile: 401-265-1677
Email: mfeldman@coneco.com
Web: Coneco.com

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NEW YORK STATE DEPARTMENT OF

ENVIRONMENTAL CONSERVATION

This Fact Sheet is to inform you about the Amended Remedial Action Work Plan for the 500 Mamaroneck Avenue site located in the Town of Harrison. If you have any questions or would like more information, please contact:

Mr. James Malcolm, P.E.
NYSDEC
625 Broadway
Albany, N.Y. 12233-7014
(518) 402-9662

For site related health questions, please contact the New York State Department of Health's representative:

Mr. Carl Obermeyer
Public Health Specialist
NYSDOH
50 North Street - Suite 2
Monticello, N.Y. 12701-1957
(845) 794-2045

For Citizen Participation questions, contact:

Mr. Michael Knipfing
Citizen Participation Specialist
NYSDEC
21 South Putt Corners Road
New Paltz, N.Y. 12561
(845) 256-3154

FACT SHEET

500 Mamaroneck Avenue: Site No. V00213-3

Proposed Amended
Remedial Action Work Plan Available
March 2005

INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC), in cooperation with the New York State Department of Health (NYSDOH) would like to inform you of a proposed change in the remedial program planned at the 500 Mamaroneck Avenue site. The site is located on the east side of Mamaroneck Avenue in the Town of Harrison. In March of 2003, the NYSDEC approved a Remedial Action Work Plan (RAWP) which outlined a cleanup plan to address residual contamination at the site. As a result of further technical review and reevaluation, the volunteer, 500 Mamaroneck Avenue Associates, has prepared an Amended RAWP. The Amended RAWP specifies the use of institutional and engineering controls to address the residual contamination at the site rather than the current cleanup plan which involves earthmoving and capping. The Amended RAWP is available for review at the document repositories listed at the end of this fact sheet.

SITE BACKGROUND

The site was previously occupied by the Town of Harrison municipal incinerator. The site was undeveloped until 1954 when the incinerator was constructed. The incinerator operated from 1954 until 1970. From 1970 until the early 1980s, the site was used as a transfer station. The construction of the current commercial office space began in 1983 with tenant occupancy beginning around 1986. Site topography changed substantially as a result of the construction activities. Approximately 340,000 cubic yards of soil and rock were removed during the site as a result of the office building development. Waste related activities included atmospheric deposition of waste from the incinerator operation, transfer station related activities, and the relocation of the surface soil during grading activities for the office space.

SITE DESCRIPTION

This site is located on the east side of Mamaroneck Avenue, approximately 2,000 feet south of Union Avenue in the Town of Harrison, Westchester County, New York. The site encompasses approximately 34.5 acres with approximately 14 acres of the site comprising of a five-story office complex. The office space includes paved parking areas covering approximately nine acres and a building foot print of approximately one and a half acres. The remaining sections of the developed portion of the site include landscaped areas. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

REMEDIAL HISTORY

Various soil and groundwater investigations were completed from 1986 to 2000. The majority of the investigation work indicated the presence of heavy metals and semi-volatile organic compounds (SVOCs) across the site in surface and shallow soils. This is consistent with the historical use of the site for incinerator operations and a transfer station. Groundwater contamination at the site is minor and not a concern. It was determined that two areas of the site required additional attention due to the present use of the site as commercial office space. The Southern Berm extends approximately 750 feet along the southern property line. The berm was constructed using on-site fill and then properly vegetated. The berm serves as a visual barrier for the adjacent residential properties. The Northwestern Section refers to a landscaped area proximate to the main entrance of the complex where residual waste material was encountered at 4 to 6 feet below grade surface.

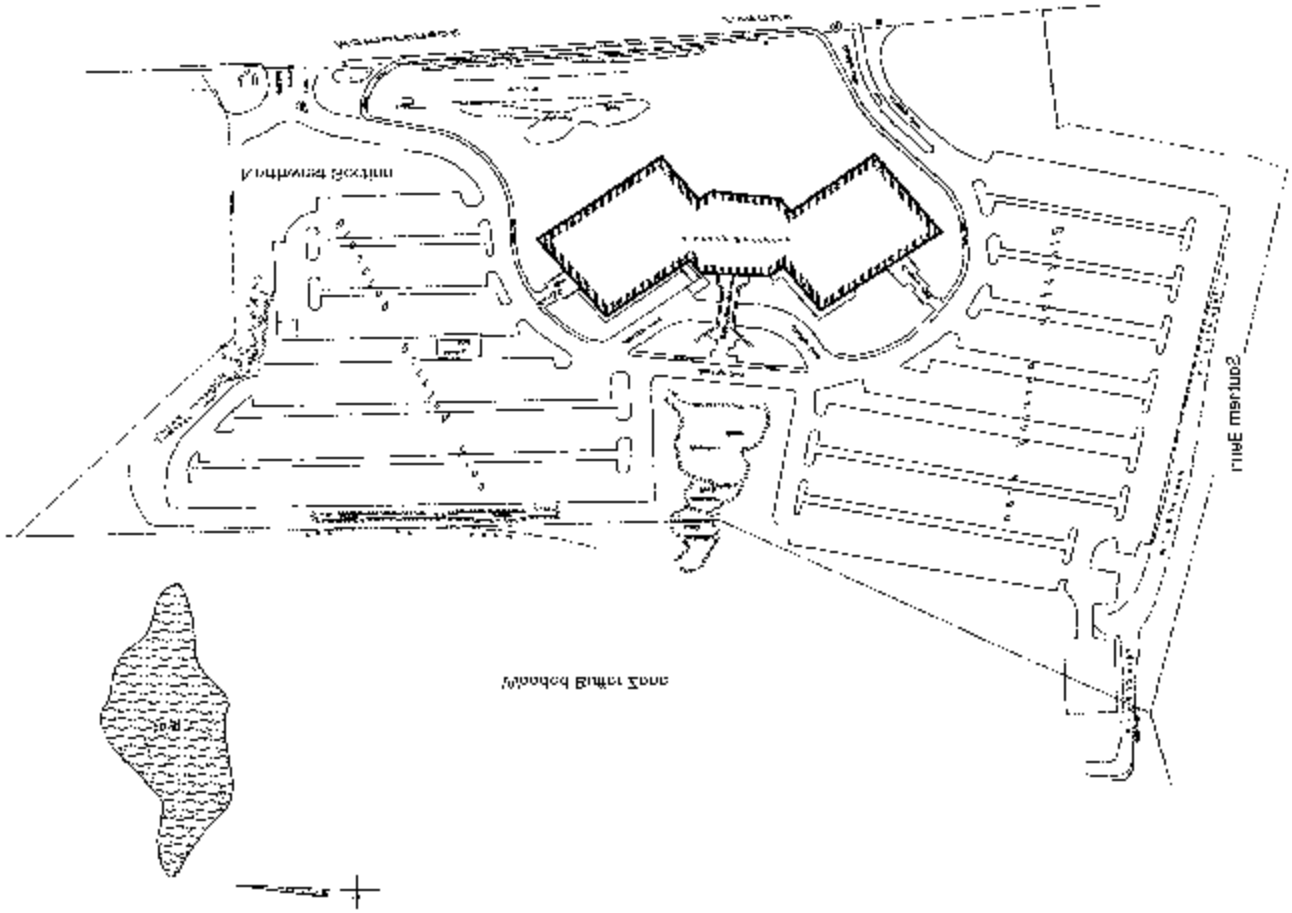
AMENDED REMEDIAL ACTION WORK PLAN

Contemplated use of the site is the continued use as commercial office space. The current deed for the site requires that the wooded area in the southern portion remain to act as a buffer zone. Use of the groundwater is prohibited except for the current use in a decorative waterfall and municipal water is provided to the site. Due to the nature of the residual contamination, the permanent stability of the vegetated cover, and the restricted physical setting of the site, the remedy will not involve earthmoving or capping but instead will provide for maintenance of the existing asphalt and landscaped areas. This will engineering controls by deed restricting the developed areas of the site and requiring the implementation of a soils management plan (SMP). The SMP will be developed to address residual soils that may be excavated from the site during future redevelopment. The plan would require soil characterization and, where applicable, disposal/reuse in accordance with NYSDEC regulations. An environmental easement will be imposed that will require compliance with the approved Site Management Plan, limit the use and development of the property to commercial or industrial uses only, prohibit the use of groundwater, and require the property owner to complete and submit an annual certification to the NYSDEC. The property owner will provide an annual certification, prepared and submitted by a professional engineer or environmental professional acceptable to the Department, that certifies that the institutional controls and engineering controls put in place are unchanged from the previous certification, and that nothing has occurred that would impair the ability of the controls to protect public health or the environment or constitute a violation or failure to comply with the Site Management Plan.

PUBLIC REVIEW AND COMMENT ON THE PROPOSED PLAN

The proposed Remedial Action Work Plan is available for public review at the NYSDEC's New Paltz office (by appointment only), the Town of Harrison Public Library located on Bruce Avenue, and at the Town/Village Municipal office at 1 Heineman Place. Written comments on the Amended Remedial Action Work Plan are welcome and will be accepted from March XX, 2005 until April XX, 2005. Comments should be directed to Mr. James Malcolm, P.E., Project Manager, NYSDEC, 625 Broadway, Albany, N.Y. 12233-7014 or at jemalcol@gw.dec.state.ny.us.

SITE MAP



New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9621 • **FAX:** (518) 402-9022
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

October 23, 2003

Mr. Gregory K. Shkuda, Ph.D.
Environmental Resources Management
50 Broad Hollow Road
Suite 210
Melville, New York 11747

RE: **500 Mamaroneck Avenue Site**
Site Number V-00213-3
Certification of Fill Material

Dear Mr. Shkuda,

As a follow up to our telephone conversation on October 21, 2003, the Department is hereby requesting that you provide us with a plan for confirming that the fill, which will be imported to the site as part of the remedy, is not contaminated. This should be demonstrated through analysis of an adequate number of representative samples, as well as documentation of the source of the material from the supplier.

Please provide this plan for our review at your earliest convenience, and prior to emplacing the fill. If you have any questions, please contact me at (518) 402-9620 or kjcarpen@gw.dec.state.ny.us .

Sincerely,

Kevin Carpenter, P.E.
Senior Environmental Engineer
Project Manager

c: Robert Osar, Esq.
G. Bobersky/K. Carpenter/Edocs/file

ec: R. Rusinko, NYSDEC, DEE

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7010
Phone: (518) 402-9662 • **FAX:** (518) 402-9679
Website: www.dec.state.ny.us

Denise M. Sheehan
Acting
Commissioner

May 10, 2005

Mr. Robert L. Osar, Esq.
Cuddy & Feder
90 Maple Avenue
White Plains, New York 10601-5196

RE: 500 Mamaroneck Avenue
Site No. V00213-3
Harrison (V), New York
Westchester County

Dear Mr. Osar:

The Department has completed its review of the Remedial Action Work Plan (RAWP) for the subject site. Based upon the information and representations given in the *Remedial Action Work Plan, 500 Mamaroneck Avenue, Harrison, New York*, dated January 2005 as prepared by ERM and the previously approved Site Investigation Report (revised and dated June 2002), the RAWP is hereby approved.

The RAWP requires the preparation of a site management plan (SMP) for the site. The Department is requiring the submittal of these documents within 60 days of receipt of this letter. Ms. Rosalie Rusinko, Esq. should be contacted at (914) 332-1835, extension 315, regarding the Environmental Easement Document. Mr. Jamie Malcolm, P.E. of my staff can be contacted at (518) 402-9669 regarding questions on the SMP.

Sincerely,

Robert W. Schick

Robert W. Schick, P.E.
Director
Remedial Bureau C
Division of Environmental Remediation

cc: R. Rusinko, Esq. - NYSDEC
C. Obermeyer/M. Rivara - NYSDOH
C. Weber/G. Shkuda - ERM

J. Malcolm/file (V00110-3)

bec: R. Pergadia - NYSDEC
D. Crosby - NYSDEC
B. Humphrey - NYSDEC

Elissa

New York State Department of Environmental Conservation
Deputy Commissioner & General Counsel
Office of General Counsel, 14th Floor
625 Broadway, Albany, New York 12233-1500
Phone: (518) 402-2794 • **FAX:** (518) 402-8541
Website: www.dec.state.ny.us

Denise M. Sheehan
Commissioner

May 25, 2006

500 Mamaroneck Avenue Associates
% Schluman Realty
500 Mamaroneck Avenue
Harrison, New York 10525

Attention: Douglas A. Ramsay

Release and Covenant Not to Sue

Unless otherwise specified in this letter, all terms used in this letter shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates ("Volunteer"), Index No.W3-0851-99-05 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's Work Plan, covering the remediation of the Site, located at 500 Mamaroneck Avenue in the Town of Harrison, State of New York, Tax Map Tax Block, 482 and lot no. 8, has been successfully implemented.

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer, Volunteer's partners and Volunteer's insurer to the extent of Volunteer's liability at the Site, and Volunteer's lessees and sublessees and Volunteer's successors and assigns and their respective secured creditors, for the further investigation and remediation of the Site, and for natural resources damages, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate notices and deed restrictions have been recorded in accordance with Paragraphs IX and X of the Agreement, and (c) Volunteer and/or Volunteer's lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any. Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to any further investigation or remedial action the Department deems necessary:

- due to off-Site migration of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of the Work Plan disclosed the existence or potential existence of such off-Site migration;

- due to environmental conditions related to the Site that were unknown to the Department at the time of its approval of the Work Plan which indicate that Site conditions are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to information received, in whole or in part, after the Department's approval of the final engineering report, which indicates that the activities carried out in accordance with the Work Plan are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to Volunteer's failure to implement the Agreement to the Department's satisfaction; or

- due to fraud committed, or mistake made, by Volunteer in demonstrating that the Site-specific cleanup levels identified in, or to be identified in accordance with, the Work Plan were reached.

Additionally, the Department and the Trustee hereby reserve all of their respective rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to:

- Volunteer if Volunteer causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination; or if Volunteer causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to

- any of Volunteer's lessees, sublessees, successors, or assigns who causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination, after the effective date of the Agreement; who causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; or who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in Subparagraph I.G of the Agreement and in this letter, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

- nothing contained in this letter shall prejudice any rights of the Department or Trustee to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination or Covered Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

DENISE M. SHEEHAN, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION AND
TRUSTEE OF NEW YORK STATE'S
NATURAL RESOURCES

By: _____
James H. Ferreira
Deputy Commissioner and General Counsel

cc:	Donna Weigle	(via groupwise)
	P. David Smith	"
	Ram Pergadia	"
	Rosalie Rusinko	"
	Elissa Armater	"

New York State Department of Environmental Conservation
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway, Albany, New York 12233-1500
Phone: (518) 402-2794 • **FAX**: (518) 402-8541
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

RECEIVED
JUN 0 4 2007
Bureau C
Division of Environmental Enforcement

500 Mamaroneck Avenue Associates
% Schluman Realty
500 Mamaroneck Avenue
Harrison, New York 10525

Re: 500 Mamaroneck Ave. VCP Site No. V00213,
Mamaroneck Avenue Associates ("Volunteer"),
Agreement Index No.W3-0851-99-05

Attention: Douglas A. Ramsay

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- except as provided in Subparagraph I.G of the Agreement and in this letter, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

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In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

ALEXANDER B. GRANNIS, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION AND
TRUSTEE OF NEW YORK STATE'S
NATURAL RESOURCES

By: _____
Deborah Christian, Acting Chief
Bureau of Superfund and Brownfield Restoration

DC/mjl:264240

cc: D. Crosby
R. Schick
R. Pergadia
C. Obermeyer, NYSDOH
D. Weigel
E. Armater
R. Rusinko

Robert Osar, Esq.
Cuddy & Feder & Worby
90 Maple Avenue
White Plains, NY 10601

500 Mamaroneck Avenue, L.P. and Viviane Paris, LLC
% Thomas Durels
W & M Properties of New York, L.L.C.
60 East 42nd Street, 26th Floor
New York, NY 10165

Joel Sachs, Esq.
Keane & Beane, P.C.
445 Hamilton Avenue
White Plains, NY 10601

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Technical Support, 11th Floor
625 Broadway, Albany, New York 12233-7020
Phone: (518) 402-9553 **Fax:** (518) 402-9595
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

11/4/2008

Site Management Periodic Review 45-Day Reminder Notice

Mr. Gerrit T. Blauvelt, W&M Properties
200 First Stamford Place
Stamford, CT 06902

Site Name: 500 Mamaroneck Avenue
Site No.: V00213
Site Address: 500 Mamaroneck Avenue
Harrison, NY 10528

This is a reminder that a Periodic Review Report (PRR) must be submitted by you, the owner or Remedial Party, to the New York State Department of Environmental Conservation (Department), by Wednesday, October 15, 2008. The PRR documents compliance with the Site Management Plan, and also includes a signed and completed Institutional and Engineering Controls (IC/EC) Certification Form (See Enclosure 1). Periodic certification, indicating that all ICs / ECs at a site are in-place and effective, is mandated by various statutory and/or regulatory authorities under the New York Environmental Conservation Law and its implementing regulations (See Enclosure 2).

Only one PRR, including one IC/EC Certification, is to be submitted for a site. Hence, if a site is comprised of multiple properties or parcels, then you, as the owner or Remedial Party, shall arrange to submit one consolidated PRR.

Please refer to Enclosure 2 for instructions to complete the IC/EC Certification Form, and to determine if the IC/EC Certifications page needs to be signed by a registered Professional Engineer or another Qualified Environmental Professional. In order to verify current IC/ECs, you may access the Environmental Site Remediation Database, which includes IC/EC details, and site information such as site summaries, the name(s) of the site / property owner(s), the location, and status of the site, at **http://www.dec.ny.gov/cfmx/extapps/derfoil/index.cfm.**

Note that this form must be submitted even if an IC/EC cannot be certified; however, the Periodic Review process will not be considered complete until all necessary corrective measures are conducted, and all controls are certified.

If you have any questions, or need additional forms, please contact David Crosby, Project Manager at 518-402-9662 .

Enclosures

ec: David Crosby, Project Manager
Bob Schick, Bureau Director
Edward Moore, Hazardous Waste Remediation Engineer, Region 3
Gary Litwin, DOH

cc: W&M Properties Of Connecticut, Inc

Enclosure 1
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00213**

Site Name **500 Mamaroneck Avenue**

Site Address: 500 Mamaroneck Avenue Zip Code: 10528

City/Town: Harrison

County: Westchester

Current Use:

Intended Use: Industrial

Verification of Site Details

		Box 2 YES	Box 2 NO
1.	Are the Site Details above, correct?	☐	☐
	If NO, are changes handwritten above or included on a separate sheet? ☐		
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment since the initial/last certification? ☐	☐	
	If YES, is documentation or evidence that documentation has been previously submitted included with this certification? ☐		
3.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property since the initial/last certification? ☐	☐	
	If YES, is documentation or evidence that documentation has been previously submitted included with this certification? ☐		
4.	Has a change-of-use occurred since the initial/last certification? ☐	☐	
	If YES, is documentation or evidence that documentation has been previously submitted included with this certification? ☐		
5.	For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), has any new information revealed that assumptions made in the Qualitative Exposure Assessment for offsite contamination are no longer valid ? ☐	☐	
	If YES, is the new information or evidence that new information has been previously submitted included with this Certification? ☐		
6.	For non-significant-threat Brownfield Cleanup Program Sites subject to ECL 27-1415.7(c), are the assumptions in the Qualitative Exposure Assessment still valid (must be certified every five years) ?	☐	☐

SITE NO. V00213

Description of Institutional Control

	YES	NO
W&M Properties of Connecticut, Inc		
500 Mamaroneck Avenue		
Deed Restriction		
S_B_L Image:		
Ground Water Use Restriction	☐	☐
Soil Management Plan	☐	☐

Description of Engineering Control

	YES	NO
W&M Properties of Connecticut, Inc		
500 Mamaroneck Avenue		
Deed Restriction		
S_B_L Image:		
Cover System	☐	☐

Attach documentation if IC/ECs cannot be certified or why IC/ECs are no longer applicable.
(Also see instructions)

Control Description for Site No. V00213

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Control Certification Statement

For each Institutional or Engineering control listed above, I certify by checking "Yes" that all of the following statements are true:

(a) the Institutional Control and/or Engineering Control employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(d) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control.

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

IC/EC CERTIFICATIONS
SITE NO. V00213

Box 5

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 2 and/or 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner or Remedial Party Rendering Certification Date

Box 6

QUALIFIED ENVIRONMENTAL PROFESSIONAL (QEP) SIGNATURE

I certify that all information and statements in Box 4 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____

(Owner or Remedial Party) for the Site named in the Site Details Section of this form.

_____ _____ _____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification Stamp (if Required) Date

Enclosure 2

Certification of Institutional Controls/ Engineering Controls (ICs/ECs)
Step-by-Step Instructions, Certification Requirements and Definitions

The Owner, or Remedial Party, and when necessary, a Professional Engineer (P.E.), or the Qualified Environmental Professional (QEP), must review and complete the IC/EC Certification Form, sign the IC/EC Certifications Signature Page, and return it, along with the Periodic Review Report (PRR), within 45 days of the date of this notice.

Please use the following instructions to complete the IC/EC Certification.

I. **Verification of Site Details** (Box 1 and Box 2):

Answer the six questions in the Verification of Site Details Section. Questions 5 and 6 only refer to sites in the Brownfield Cleanup Program. Environmental Conservation Law (ECL) Section 27-1415-7(c) is included in section **IV. IC/EC Certification Requirements**, below. The Owner and/or your P.E. or QEP may include handwritten changes and/or other supporting documentation, as necessary.

II. **Verification of Institutional / Engineering Controls** (Box 3 and Box 4)

Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party is to petition the Department requesting approval to remove the control.

2. Select "YES" or "NO" for **Control Certification** for each IC/EC, based on Sections (a)-(e) of the **Control Certification Statement**.

3. If you cannot certify "YES" for each Control, please continue to complete the remainder of this **Control Certification** form. Attach supporting documentation that explains why the **Control Certification** cannot be rendered, as well as a statement of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Control Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is conducted.

   If the Department concurs with the explanation, the corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) is to be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. **IC/EC Certification by Signature (**Box 5 and Box 6**):**

1. If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page. To determine WHO signs the **IC/EC Certification,** please use Table 1, Signature Requirements for the IC/EC Certification, below.

Table 1. Signature Requirements for Control Certification Page		
Type of Control	**Example of IC/EC**	**Required Signatures**
IC	Environmental Easement Deed Restriction.	A site or property owner or remedial party.
EC which does not include a treatment system or engineered caps.	Fence, Clean Soil Cover, Individual House Water Treatment System, Vapor Mitigation System	A site or property owner or remedial party, and a QEP. (P.E. license not required)
EC that includes treatment system or an engineered cap.	Pump & Treat System providing hydraulic control of a plume, Part 360 Cap.	A site or property owner or remedial party, and a QEP with a P.E. license.

IV. IC/EC Certification Requirements:

ECL requires periodic certification of IC(s) and EC(s) as follows:

Environmental Restoration Program (ERP): ECL Section 56-0503. (Environmental restoration projects; state assistance)

State Superfund Program (SSF): ECL 27-1318. (Institutional and engineering controls)

Brownfields Cleanup Program (BCP): ECL Section 27-1415. (Remedial program requirements)

> ECL Section 27-1415-7(c) states:
> "At non-significant threat sites where contaminants in groundwater at the site boundary contravene drinking water standards, such certification shall also certify that no new information has come to the owner's attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of offsite contamination are no longer valid. Every five years the owner at such sites shall certify that the assumptions made in the qualitative exposure assessment remain valid. The requirement to provide such certifications may be terminated by a written determination by the Commissioner in consultation with the Commissioner of Health, after notice to the parties on the brownfield site contact list and a public comment period of thirty days."

Voluntary Cleanup Program (VCP): Applicable program guidance.

Response Program - Petroleum Remediation: Applicable program guidance.

Federal Brownfields Program: Applicable program guidance.

Manufactured Gas Plant (MGP) Projects: Applicable division guidance (including non-registry listed MGPs).

WHERE to mail the signed Certification Form by Wednesday, October 15, 2008:

New York State Department of Environmental Conservation
Division of Environmental Remediation

625 Broadway, BURC
Albany, NY 12233

Attn: David Crosby, Project Manager

Please note that extra postage may be required.

V. Definitions

"Engineering Control" (EC) means any physical barrier or method employed to actively or passively contain, stabilize, or monitor contamination, restrict the movement of contamination to ensure the long-term effectiveness of a remedial program, or eliminate potential exposure pathways to contamination. Engineering controls include, but are not limited to, pavement, caps, covers, subsurface barriers, vapor barriers, slurry walls, building ventilation systems, fences, access controls, provision of alternative water supplies via connection to an existing public water supply, adding treatment technologies to such water supplies, and installing filtration devices on private water supplies.

"Institutional Control" (IC) means any non-physical means of enforcing a restriction on the use of real property that limits human and environmental exposure, restricts the use of groundwater, provides notice to potential owners, operators, or members of the public, or prevents actions that would interfere with the effectiveness of a remedial program or with the effectiveness and/or integrity of operation, maintenance, or monitoring activities at or pertaining to a remedial site.

"Professional Engineer" (P.E.) means an individual or firm licensed, or otherwise authorized under article 145 of the Education Law of the State of New York, to practice engineering.

"Property Owner" means, for purposes of an IC/EC certification, the actual owner of a property. If the site has multiple properties with different owners, the Department requires that the owners be represented by a single representative to sign the IC/EC Certification.

"Oversight Document" means any document the Department issues pursuant to each Remedial Program to define the role of a person participating in the investigation and/or remediation of a site or area(s) of concern. Examples for the various programs are:

BCP (after approval of the BCP application by Department) - Brownfield Site Cleanup Agreement.
ERP (after approval of the ERP application by Department) - State Assistance Contract.
Federal Superfund Sites - Federal Consent Decrees, Administrative Orders on Consent or Unilateral Orders issued pursuant to CERCLA.
Response Program - Order on Consent, or Stipulation pursuant to Article 12 of the Navigation Law (and the ECL).
SSF Program - Administrative Consent Order, Record of Decision.
VCP (after approval of the VCP application by Department) - Voluntary Cleanup Agreement.
RCRA Corrective Action Sites- Federal Consent Decrees, Administrative Orders on Consent or

permit conditions issued pursuant to RCRA.

"Qualified Environmental Professional" (QEP) means a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding the presence of releases or threatened releases to the surface or subsurface of a property or off-site areas, sufficient to meet the objectives and performance factors for the areas of practice identified by this Part. Such a person must:

(1) hold a current professional engineer's or a professional geologist's license or registration issued by the State or another state, and have the equivalent of three years of full-time relevant experience in site investigation and remediation of the type detailed in this Part; or

(2) be a site remediation professional licensed or certified by the federal government, a state or a recognized accrediting agency, to perform investigation or remediation tasks consistent with Department guidance, and have the equivalent of three years of full-time relevant experience.

"Qualitative Exposure Assessment" means a qualitative assessment to determine the route, intensity, frequency, and duration of actual or potential exposures of humans and/or fish and wildlife to contaminants.

"Remedial Party" means a person implementing a remedial program at a remedial site pursuant to an order, agreement or State assistance contract with the Department.

"Site Management" (SM) means the activities undertaken as the last phase of the remedial program at a site, which continue after a Certificate of Completion is issued. Site management is conducted in accordance with a site management plan, which identifies and implements the IC/ECs required for a site, as well as any necessary monitoring and/or operation and maintenance of the remedy.

"Site Management Plan" (SMP) means a document which details the steps necessary to assure that the institutional and engineering controls required for a site are in-place, and any physical components of the remedy are operated, maintained and monitored to assure their continued effectiveness, developed pursuant to Section 6 of DER-10, *Technical Guidance for Site Investigation and Remediation.*

"Site Owner" means the actual owner of a site. If the site has multiple owners of multiple properties with ICs and/or ECs, the Department requires that the owners designate a single representative for IC/EC Certification activities.

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9662 • **Fax:** (518) 402-9679
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

DEC 26 2008

Mr. Gerrit T. Blauvelt
W&M Properties
200 Stamford Place
Stamford, CT 06902

RE: Voluntary Cleanup Project,
2008 Period Review Report
500 Mamaroneck Avenue, Site No. V00213
Town of Harrison, Westchester County, NY

Dear Mr. Blauvelt:

The New York State Department of Environmental Conservation (Department) has completed a review of your November 19, 2008 Period Review Report and the IC/EC Certification. Based on the representation made in the report, the remedy is performing properly and is effective. The Department accepts the report and associated certification.

The frequency of the Period Review Report for this site has been determined by the Department to be five (5) years. As such, the next Period Review Report and certification is due on November 4, 2013.

If you have any questions, please feel free to contact me at 1-518-402-9662.

Sincerely,

David Crosby
Remedial Bureau C
Division of Environmental Remediation

cc: Michael Feldman, Coneco
David Crosby/file

ecc: Mark VanValkenburgh, NYSDOH

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233
Phone: (518) 402-9553 **Fax:** (518) 402-9577
Website: www.dec.ny.gov

Joe Martens
Commissioner

11/15/2013

c/o Empire State Reality Trust
500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, NY 10528

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: 500 Mamaroneck Avenue
Site No.: V00213
Site Address: 500 Mamaroneck Avenue
Harrison, NY 10528

Dear Empire State Reality Trust:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **January 17, 2014**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, are to be submitted in electronic format to the Department of Environmental Conservation. The Department will not approve the PRR unless all documents and data generated in support of that report have been submitted in accordance with the electronic submissions protocol. In addition, the certification forms are required to be submitted in both paper and electronic formats.

Information on the format of the data submissions can be found at:
http://www.dec.ny.gov/regulations/2586.html

The signed certification forms should be sent to David Crosby, Project Manager, at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Phone number: 518-402-9662. E-mail: dacrosby@gw.dec.state.ny.us

The contact information above is also provided so that you may notify the project manager about upcoming inspections, or for any other questions or concerns that may arise in regard to the site.

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

cc: w/enclosures
Michael C. Feldman, CONECO Engineers & Scientists
Empire State Realty Trust, c/o Patrick Philbin

ec: w/ enclosures
David Crosby, Project Manager
Edward Moore, Hazardous Waste Remediation Engineer, Region 3

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00213

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: September 15, 2007 to November 04, 2013

	YES	NO
1. Is the information above correct?	☐	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00213 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	
		Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	
		Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	
	Cover System
482-8-26.1	
	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☐	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☐	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated the ability of each component of the remedy subject to O&M requirements to perform as

designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

New York State Department of Environmental Conservation
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, New York 12233
Phone: (518) 402-9662
Fax: 518-402-9679
Website: www.dec.ny.gov

Joe Martens
Commissioner

Mamaroneck Avenue Associates
Patrick Philbin
200 First Stamford Place
Stamford, CT 06902

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter

500 Mamaroneck Avenue, Harrison
Westchester County, Site No.: V00213

Dear Patrick Philbin (as the Certifying Party):

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: 09/15/2007 to 11/04/2013.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 5 year(s), your next PRR is due on December 4, 2018. You will receive a reminder letter and updated certification form 75-days prior to the due date.

If you have any questions, or need additional forms, please contact me at 518-402-9642 or e-mail: dacrosby@gw.dec.state.ny.us

Sincerely,

David Crosby
Project Manager

cc/ec: Michael Feldman, Coneco

ec: David Crosby, Project Manager
Maureen Schuck, DOH Regional Chief

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Environmental Remediation
625 Broadway, 11th Floor, Albany, NY 12233-7020
P: (518)402-9543 | F: (518)402-9547
www.dec.ny.gov

9/21/2018

Patrick Philbin
Empire State Realty Trust
500 Mamaroneck Avenue Associates
200 First Stamford Place
Stamford, CT 06902

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: 500 Mamaroneck Avenue
Site No.: V00213
Site Address: 500 Mamaroneck Avenue
Harrison, NY 10528

Dear Patrick Philbin:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **December 04, 2018**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. The Engineering Controls (ECs) portion of the form (Box 7) must be signed by a Qualified Environmental Professional (QEP). If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Bill Bennett, the Project Manager, at 518-402-9659 or william.bennett@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures
Bill Bennett, Project Manager
Kevin Carpenter, Section Chief

Coneco Engineers and Scientists - Michael C. Feldman - mfeldman@coneco.com

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7**):**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00213**

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: November 04, 2013 to November 04, 2018

	YES	NO
1. Is the information above correct?	☐	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☐
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☐
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☐
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☐

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00213 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	
		Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	
		Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	
	Cover System
482-8-26.1	
	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☐	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☐	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

_____ _____
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

_____	_____	_____
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9679
www.dec.ny.gov

May 7, 2019

Empire State Realty Trust, Inc.
Carla L. Sanchez, RPA
Metro Center
One Station Place
Stamford, CT 06902

Re: Site Management (SM) Periodic Review Report (PRR) Response Letter
500 Mamaroneck Avenue Site, Site No. V00213
Town of Harrison, Westchester County

Dear Carla L. Sanchez, RPA (as the Certifying Party):

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: November 4, 2013 to November 4, 2018.

The Department hereby accepts the PRR and associated Certification. The frequency of Periodic Reviews for this site is 5 year(s), your next PRR is due on December 4, 2023. You will receive a reminder letter and updated certification form 75-days prior to the due date. Regardless of receipt or not, of the reminder notice, the next PRR including the signed certification form, is still due on the date specified above.

If you have any questions, or need additional forms, please contact me at 518-402-9659 or e-mail: william.bennett@dec.ny.gov.

Sincerely,

William Bennett
Professional Engineer 1
Remedial Bureau C
Division of Environmental Remediation

cc/ec: Carla L. Sanchez, RPA (csanchez@empirestaterealtytrust.com)

ec: Michael Feldman (mfeldman@coneco.com)
Maureen Schuck, NYSDOH (maureen.schuck@health.ny.gov)
William Bennett (william.bennett@dec.ny.gov)
DECDOCS

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Report. V00213. 1998-06-01.
Site AR.

FILE COPY

A MEMBER OF THE ENVIRONMENTAL RESOURCES MANAGEMENT GROUP

SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York

June 1998

Prepared for:

500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, NY

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, NY 11797

ERM

EnviroClean's Commitment to Quality

Our Quality Policy

We will fully understand and document our client's requirements for each assignment.

We will confirm to those requirements at all times and satisfy the requirements in the most efficient and cost effective manner.

Our quality policy and procedures include an absolute commitment to provide superior service and responsiveness to our clients.

Our Quality Goals

To serve you.

To serve you well.

To continually improve that service.

Our Quality Improvement Process

Train each employee.

Establish and implement requirements based on a preventative approach.

Maintain a standing Quality Improvement Team to ensure continuous improvement.

Empower Corrective Action Teams to analyze, correct and eliminate problems.

Continually strive to improve our client relationships.

John A. DeFilippi, P.E.
Chairman

Andris H. Ledins, P.E.
President

SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York

June 1998

Prepared for:

500 Mamaroneck Avenue Associates
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Section 1

1.0 *INTRODUCTION*

Environmental Resources Management (ERM) has prepared this Voluntary Cleanup Site Assessment Report on behalf of 500 Mamaroneck Avenue Associates (owner) to document conditions at their property located at 500 Mamaroneck Avenue, Harrison, New York (site). The site, a five-story office building, is being marketed by the Bank of Nova Scotia and title will pass to the new owner. AKRF, INC. (AKRF), completed a Phase I Environmental Investigation in April of 1997.

A potential purchaser engaged Dames and Moore, Inc. to collect soil and groundwater samples to assess potential impacts from past property usage. Dames and Moore produced preliminary sampling results which indicated residual soil concentrations of Resource Conservation Recovery Act (RCRA) metals, polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in excess of regulatory standards or guidelines. Groundwater samples collected by Dames & Moore, however did not indicate any significant levels of contaminants.

1.1 *PURPOSE OF REPORT*

In May 1998, the site owner retained ERM, to further evaluate conditions at the site retained ERM. ERM recommended the installation of additional soil borings to:

- Verify the presence and establish concentrations of PAHs and PCBs.
- More completely delineate the areal and vertical extent of any residual inorganic, PCB or PAH soil contamination.

This report details the results of sampling program carried out at 500 Mamaroneck Avenue, by ERM, evaluates the fate and transport of the residual contaminants detected and recommends a remedial alternative

consistent with the property usage. Additional groundwater sampling was not recommended because the Dames & Moore results did not indicate significant impacts.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2.1 *Study Area Description & History*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas parking covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent residences.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site. Water is provided by the local municipal system and the site therefore has no drinking water

well(s). One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.2.2 *Site Geology*

Based on the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck. New York Quadrangle, site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the property. Based on the topography and general site features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the site boundary.

According to the September 1994 General Geology Map of Putnam and Westchester Counties. New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property.

1.2.3 *Previous Investigations*

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997 and Dames & Moore, Inc., 1998 (late February or early March). Except for the Dames & Moore sampling, these investigations are Phase I Environmental Assessments, however, GZA, ERL and USHI collected limited soil and/or groundwater samples as part of their work.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain debris from past MSW operations (see Figure 2). The samples were composited and analyzed for priority pollutant metals after extraction following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 2). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 2). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be slightly elevated, they are consistent with typical soil metals concentrations from urban settings and do not indicate contamination from operation of the incinerator.

As discussed above, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. Initially they proposed the installation of 8 soil borings , however, 2 of their borings were not installed due to the presence of underground utilities. Figure 2 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs , PAH and PCB semi-volatile organic compounds (SVOCs) and RCRA metals. Only the results of the Dames & Moore sampling were supplied to the property owner, therefore, the analytical methodology is unknown. However, it is likely that standard USEPA analytical methods were used because the samples were collected as part of a due diligence investigation for a property transfer.

No VOCs exceeded regulatory guidelines in any of the six soil samples collected. Dames & Moore's report stated that the PAHs and PCBs exceed regulatory guidelines in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (µg/kg), chrysene at 670 µg/kg and benzo(a)anthracene at 600 µg/kg. The PCB concentration in this sample was 13,000 µg/kg of Aroclor 1242. The report also states that RCRA metals exceed regulatory guidelines in all of the samples. However, that

conclusion is based on a total metals analysis of the soils. Considering the proximity of bedrock at the site, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to regulatory guidelines is premature.

Groundwater samples were collected from the existing on-site well and from borehole No 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameters were detected above its respective regulatory guidance criterion.

A copy of the previous investigation reports is presented in Appendix A.

Section 2

2.0 *SITE INVESTIGATION*

To better understand and more completely define the extent of potential impacts from past activities at the site, ERM installed 21 soil borings at the 500 Mamaroneck Avenue site. Because more than 340,000 cubic yards of soil and bedrock were excavated from the site during construction, borings were located in areas suspected to contain the greatest thickness of overburden soil. Several borings were also collocated with borings installed by Dames & Moore and in the former location of the municipal incinerator.

As discussed in Section 1.2.3, contaminants have not been detected in any samples collected from the on-site well. Additionally, Dames & Moore collected a groundwater sample from boring No. 3. This sample also did not contain contaminants in excess of regulatory guidelines. Dames & Moore also analyzed soil samples for VOCs. Except for common laboratory contaminants, such as acetone and methylethyl ketone, VOCs were not detected in the Dames & Moore soil samples. ERM therefore concluded that collection of groundwater samples was not warranted.

ADT, INC of New Hyde Park, New York Park installed the borings using a GeoProbe™ under the supervision of an ERM geologist. Each boring was advanced to a total depth of ten feet or until refusal. Continuous 3-foot samples were collected using a MacroCore™ sampler and each sampled screened for VOCs using a field instrument equipped with a photoionization detector (PID). The MacroCore™ sampler was decontaminated between borings using a detergent wash followed by distilled water rinse.

The initial round or boring installations was carried out on May 12, 1998. Borings GP-1 through GP-15 at the locations indicated on Figure 2. At several locations only a thin mantle of soil was observed. At other

borings, cinder-like material was observed. VOCs were not observed in any of the samples collected. The field notes from the boring installation are provided in Appendix B.

Because of the presence of numerous utilities including electric, water and sewer lines in the front of the building, it was necessary to conduct a Geophysical survey to clear boring locations. NAEVA Geophysics Inc. (NAEVA) of Tappan, New York conducted the survey. While on-site, NAEVA also surveyed the area near Dames & Moore boring No. 8 where PCBs were detected at a depth of 4 to 6- feet. Although the ground penetrating radar (GPR) survey identified a depression in the bedrock surface in this location, ERM was unsuccessful in collecting a sample at the same depth as indicated by the Dames & Moore data from this location.

On May 26, 1998, ADT returned to the site and installed borings at locations GP-16, GP-20 and GP-21 (Figure 2). The installation of these borings followed the protocol described above. Note that ERM boring location GP-16 was near Dames & Moore Boring No. 8.

Because of concerns regarding crossing sewer and water lines located in front of the building with the GeoProbe™ rig, borings GP-17, GP-18 and GP-19 were installed using a Tripod drilling apparatus. Soil samples were collected using a standard 2-foot split-barrel core sampler (split spoon), which was decontaminated as described above.

After collection, samples were stored on ice and shipped for immuno-assay screening for PCBs and PAHs. Ohmicron field immuno-assay screen kits were used because they provide the lowest detection limits of available immuno-assay screening kits. The Ohmicron kits also meet the requirements of USEPA SW-846 immuno-assay methodologies. Based on the results of the screening and sample location with respect to previously

selected samples were sent to the American Environmental Network (AEN) laboratory in Monroe Connecticut.

The soil samples were analyzed for PAHs using USEPA method 8270B, PCBs using USEPA method 8081, and RCRA metals after extraction using the Toxicity Characteristic Leaching Procedure (TCLP). After the preliminary results from the set of samples collected on May 12, 1998 were obtained, AEN was requested to reanalyze several samples for PAHs and PCBs after extraction of the samples using the TCLP leaching procedure. This additional analysis was undertaken to assess the mobility of the PAHs and PCBs, which were detected.

Section 3

Section 3

3.0 *SAMPLING RESULTS*

Immuno-assay screening results for the PAHs ranged from 8 to 888 µg/kg with a method detection limit (mdl) of 4 µg/kg. PCB concentrations, as determined by immuno assay testing ranged from non-detect (ND) to 323 µg/kg with an mdl of 500 µg/kg. After review of the field screening results, 14 samples were selected for laboratory analysis. The selected samples contained both low and high concentration samples and samples collected near previously sampled areas.

The data from the soil samples collected on May 12, 1998 was received by ERM and reviewed to determine the necessity for additional sampling collection or analysis The results from the May 12th sampling indicated the presence of PAHs, and PCBs in several of the soil samples above applicable regulatory limits. Concentrations of PCBs ranged from 56 µg/kg to 4,200 µg/kg. Concentrations of PAHs ranged from 110 to 7,800 µg/kg, with individual PAH concentrations of benzo(a)anthracene (Borings GP-12A, GP-12B, GP-13A), benzo(b)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Boring GP-12B), benzo(a)pyrene (Borings GP-12A, GP-12B, GP-13A), chrysene (Borings GP-12A, GP-12B, GP-13A) and dibenzo(a,h)anthracene (Boring GP-12B) exceeding the Clean-up Objectives of NYSDEC TAGM 4046. The total estimated PCB concentration of 4,200 µg/kg obtained in ERM boring GP-11A exceeds the surficial total PCB clean-up criterion of 1,000 µg/kg.

Several RCRA metals were detected in the May 12th samples above the laboratory mdl. However, RCRA metal concentrations did not exceed regulatory criteria. As discussed in Section 3.0, the RCRA metals testing was carried out using the TCLP extraction procedure and the results indicate that although RCRA metals are present in the soil at 500 Mamaroneck Avenue, they are not mobile. Therefore, it was decided to

reanalyze several of the May 12th samples for PAHs ad PCBs using the TCLP extraction procedure. Soil samples from GP-11A, GP-12A, GP-12B and GP-13A were therefore reanalyzed to assess the mobility of these compounds.

The results of the TCLP leaching and reanalysis indicated that PCBs were not detected above the mdl. PAH concentrations in the TCLP extracted samples ranged from an estimated value of 0.2 μg/L to 4 μg/L. These concentrations are at least two orders of magnitude less than the applicable TAGM Clean-up Objective. Based on these TCLP data, it can be concluded that the PAHs in PCBs in the soil at the 500 Mamaroneck Avenue are not mobile.

Four samples from the May 26th and 27th sampling were sent for laboratory analysis. PCBs, above the mdl, were present in three of the samples (GP-19B/C, GP-19D/E/F and GP-21A), however, total PCB concentrations did not exceed regulatory recommended clean-up objectives. PAH concentrations ranged from 450 μg/kg to 22,000 μg/kg in the May 26th and 27th samples. The concentration of benzo(a)anthracene (Borings GP-19B/C, GP-19D/E/F, GP-20A), benzo(b)fluoranthene and benzo (k)fluoranthene (Boring GP-19D/E/F), benzo(a)pyrene (Borings GP-19B/C, GP-19D/E/F and GP-20A) and dibenz(a,h)anthracene (Boring GP-19D/E/F) exceed TAGM 4046 Soil Clean-up Objectives. As indicated above, if the TCLP extraction were used, PAH the concentrations in these samples would be expected to be at least 3 orders of magnitude lower, which would likely reduce the measured PAH concentrations below the applicable standard. Additionally, the PAH concentrations in the May 26th and 27th which exceeded standards were from samples collected at depths ranging from 3 to 12-feet below land surface. The TAGM 4046 clean-up criteria are based on direct contact with the PAH contaminated soil and it is unlikely for direct contact with these soils to occur.

Section 4

4.0 *FATE AND TRANSPORT*

Chemicals released into the environment are susceptible to several degradation pathways. These include chemical (i.e., hydrolysis, oxidation, reduction, etc.), photolysis or photooxidation and biodegradation. One or more of these processes may transform compounds. The transformation processes are controlled by the physical properties of the compound, i.e., a compound's ability to absorb light or the presence of functional groups that can be oxidized by naturally occurring environmental oxidants such as oxygen.

Chemicals entering the environment are dispersed through various physical process including volatilization, dissolution in ground or surface water, bioadsorbtion and transport by fish and birds. The physical properties of the specific compound released into the environment will control the transport.

4.1 *POLYCYCLIC AROMATIC HYDROCARBONS*

Polycyclic aromatic hydrocarbons (PAHs) are formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances. PAHs can either be man-made or occur naturally. Although a few of the PAHs are used to make dyes, pesticides and plastics, and others are contained in asphalt most of these chemicals are not widely used except in research. PAHs are found throughout the environment in the air, water and soil. There are more than 100 different PAH compounds.

As pure chemicals, PAHs generally exist as colorless, white or pale yellow-green solids. They have a faint, pleasant odor. Most PAHs do not occur alone in the environment, i.e., they generally part of a complex mixture, for example, in crude oil, coal tar, creosote, and road and roofing tars.

The movement of PAHs in the environment depends on properties like their water solubility, vapor pressure and molecular weight. PAHs, in general, do not easily dissolve in water. In soil they are tightly bound to soil particles. PAHs can breakdown in the air by photolysis or through reactions with other chemicals. This process generally takes a period of days to weeks. Decomposition in soil and water takes longer, from weeks to months and is due mostly to the actions of microorganisms.

Transport and partitioning of PAHs in soil can be evaluated by consideration of individual PAH octanol-water partitioning coefficient (K_{ow}) and organic carbon partitioning coefficient (K_{oc}). K_{oc} indicates the chemicals potential to bind to organic carbon in soil and sediment, K_{ow} is used to estimate the potential for an organic chemical to move from water, a polar environment into a more nonpolar environment such as bound to soil. Some of the transport and partitioning characteristics, such as K_{oc} and K_{ow} are roughly correlated to the PAH molecular weight. These properties can be grouped as follows:

- Low molecular weight compounds (152-178 grams/mole [g/mol]) - acenaphthene, acenaphthylene, anthracene, fluorene and phenanthrene.
- Medium molecular weight compounds (202 g/mol) - fluoranthene and pyrene.
- High molecular weight compounds (228-278 g/mol) - benzo(a)anthracene, benzo(b)fluoranthene, benzo(k) fluoranthene, benzo(g,h,I)perylene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene and indeno(1,2,3,c,d)pyrene.

As described above, the K_{oc} indicates a chemical's potential to bind to organic carbon in sediment and soil. The low molecular weight PAHs have K_{oc} values in the range of 10^3 to 10^4, which indicates a moderate potential to be adsorbed. The medium molecular weight compounds K_{oc} values in the 10^4 range and high molecular weight compounds have K_{oc}

values in the range of 10^5 to 10^6, which indicate a strong tendency to adsorb to soil and sediment.

At the 500 Mamaroneck Avenue site, the high molecular weight compounds predominate suggesting that the PAHs present at the site will be strongly bound to the soil and will not be mobile. This is confirmed by the TCLP leaching data.

4.2 *POLYCHLORINATED BIPHENYLS*

Polychlorinated biphenyls (PCBs) are a class of nonpolar, chlorinated hydrocarbons with a biphenyl nucleus ($C_{12}H_{10}$) on which one to ten of the hydrogens have been replaced by chlorine. Commercial PCBs were manufactured and sold as mixtures containing multiple isomers with different degrees of chlorination. Most PCB congeners are colorless, odorless crystals; the commercial mixtures are clear viscous liquids (the more highly chlorinated mixtures are more viscous: for example Aroclor 1260 is a sticky resin). Although the physical and chemical properties vary widely across the class, PCBs have low water solubilities and low vapor pressures. PCBs are stable compounds and do not degrade easily.

Commercial PCB mixtures were used in a wide variety of applications, including dielectric fluids in capacitors and transformers, heat transfer fluids, hydraulic fluids, lubricating and cutting oils, and as additives in pesticides, paints, copying paper and carbonless copy (NRC) paper. By far, the preponderance of the PCBs were used in capacitors and transformers. The commercial utility was based largely on their chemical stability, including low flammability and desirable physical properties including electrical insulating properties. They are considered ubiquitous in the environment.

PCBs have low volatility and are highly lipophilic, i.e., PCBs prefer nonpolar environments, with the consequence that more than 99 percent of the environmental PCB mass found in soil. PCBs bind strongly to soil (Koc values likely in the 10^5 to 10^6) and may remain there for years or decades. PCBs will typically not travel deeply into the soil with rainwater. Specifically, the solubility of commercial mixtures of PCBs decreases in increasing chlorination, from a solubility of 420 μg/L for Aroclor 1016 to 12 μg/L for Arochlor 1260. The higher chlorinated species predominate at the 500 Mamaroneck Avenue site, indicating low potential for migration. This is confirmed by the TCLP leaching testing, which did not reveal PCBs in the extract.

Section 5

5.0 *FINDINGS AND RECOMMENDATIONS*

The soil sampling carried out by ERM detected PAHs and PCBs above regulatory guidance criteria in only 6 soil samples out of the 46 collected at the 500 Mamaroneck Avenue site. Upon reanalysis of 4 of these samples, using the TCLP leaching procedure, the concentrations of PAHs and PCBs were below regulatory guidance, indicating that these compounds are not mobile. This observation is consistent with the transport phenomena associated with PAHs and PCBs. Impacts to groundwater from these compounds are therefore not likely.

The PAH and PCBs are associated with samples where there is a greater thicknesses of soil, specifically along the southern parking lot boundary and in front of the building. The PAHs and PCBs were generally detected in samples collected at depths greater than 3-feet below land surface. However, it must be pointed out that in general there is only a thin mantel of soil above the bedrock at the site. This is consistent with the observation that more than 340,000 cubic yards of soil and bedrock removed from the site during construction of the building complex.

WRONG - IMPACTED BY DEPOSITION FROM STACK

Sixty percent of the 500 Mamaroneck property is undeveloped and has not been impacted by past or present activities. The building complex and parking lots cover approximately sixty four percent of the developed portion of the property, the remaining land is landscaped. Therefore the PAHs and PBCs potentially contained in soil are isolated both from a direct contact and leaching perspective. Additionally, as discussed above, because more than 340,000 cubic yards of soil and bedrock were removed during construction and disposed of off-site, the potential amount of PAHs and PCBs remaining on-site is extremely limited.

5.1 *RECOMMENDATIONS*

ERM recommends that no further investigative or remedial activities be conducted at the site. This recommendation is based on:

- Isolation of the PAHs and PCBs potentially present in site soil by the building complex, bituminous paving and landscaping. Direct contact with these contaminants is not likely and an exposure pathway is therefore not present.
- TCLP leach testing indicates that the PAHs and PCBs present on site are not mobile. This finding is consistent with the physical properties of these classes of compounds. More importantly, contamination of other media is not likely, groundwater is not used on the site and therefore, no exposure pathway through groundwater is possible. X WRONG

Limited exceedances of recommended clean-up criteria. Only 4 borings contained soil exceeding criteria, therefore there is only a very limited area, which is potentially impacted.

Section 6

Section 6

6.0 *REFERENCES*

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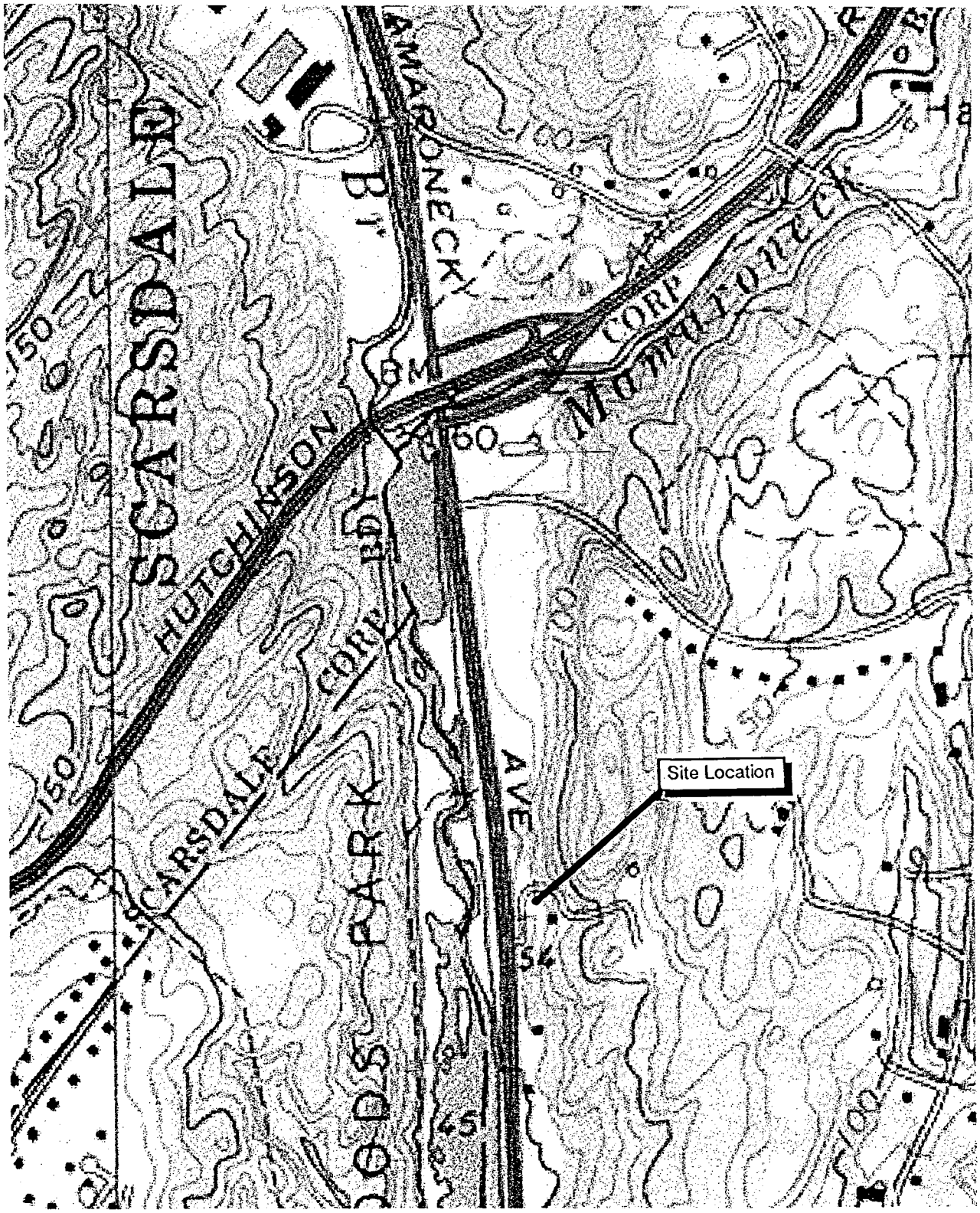
FIGURES



TITLE

SITE LOCATION MAP

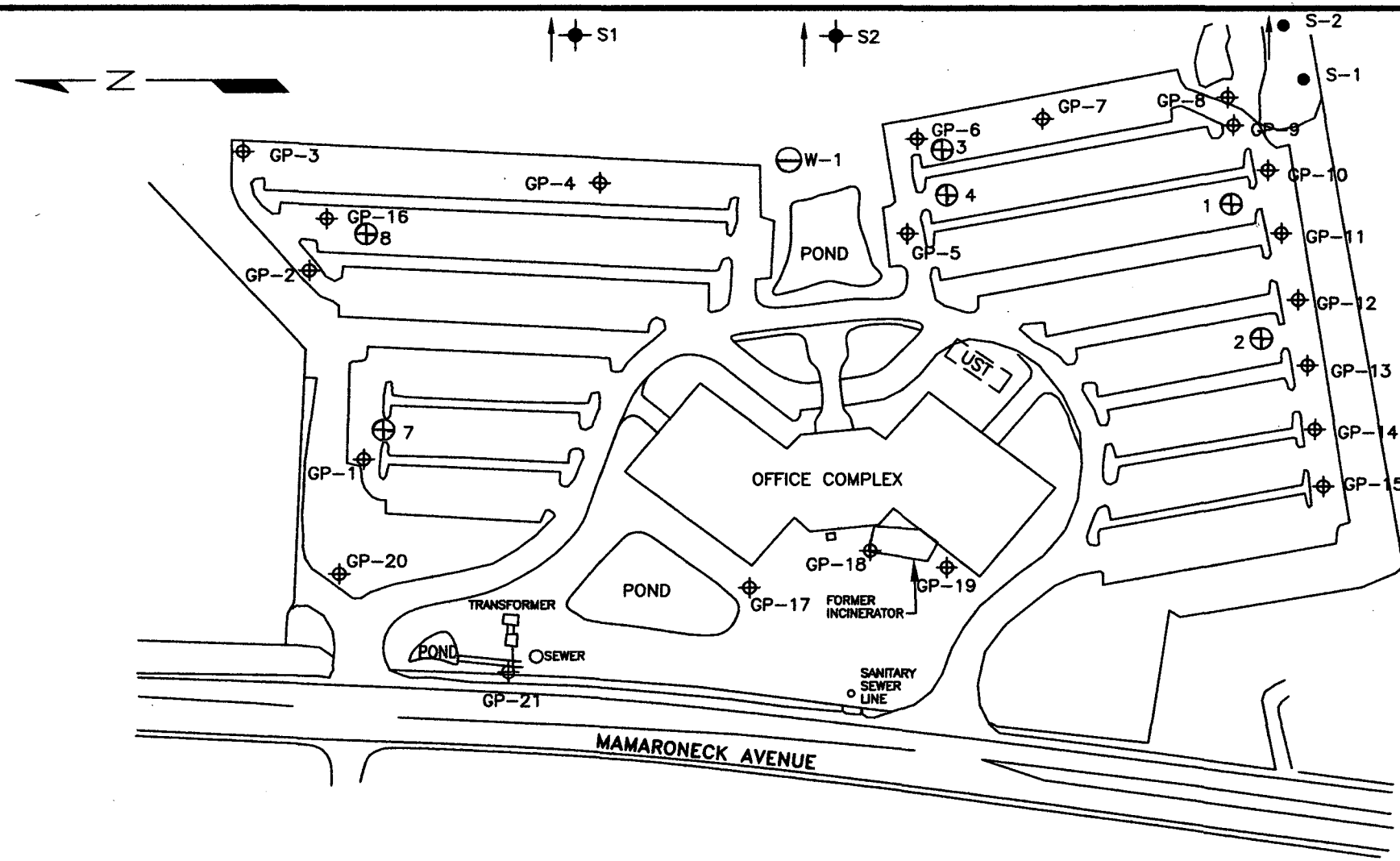
PREPARED FOR

500 MAMARONECK ASSOCIATES

ERM-Northeast
Environmental Resources Management

SCALE	FIGURE
NONE	1

DRAWN:	JOB NO.:	FILE NAME:	DATE
E.M.F.	1454.001		6/18/98



ERM BORING LOCATIONS – 1998

DAMES & MORE SAMPLING LOCATIONS – 1998

U.S. HYDROGEOLOGIC, INC. SAMPLING LOCATIONS – 1989

GROUNDWATER SUPPLY WELL

GZA SAMPLING LOCATIONS – 1986

TITLE: SITE PLAN				
PREPARED FOR: 500 MAMARONECK AVENUE ASSOCIATES				
ERM-Northeast Environmental Resources Management			SCALE: NONE	FIGURE: 2
DRAWN: E.M.F.	JOB NO.: 14540001	FILE NAME: 14540001	DATE: 6/18/98	

TABLES

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-1A	GP-1B	GP-2A	GP-3A	GP-4A	GP-5A	GP-5B	GP-6A	GP-7A	GP-8A	GP-8B	GP-8C	GP-9A	GP-9B	GP-10A	GP-10B
Depth (feet below land surface)		0 - 4	4 - 7.5	0.5 - 2.25	0 - 1.75	0 - 2.25	0 - 3.5	3.5 - 6.5	0 - 1	0.25 - 2.25	0 -3	3 - 6	6 - 8	0 - 3	3 - 5.5	0 - 3	3 - 6
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter																	
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	3.8 U		38 U	38 U				38 U						38 U		
Barium	100,000	318		961	681				1760						1190		
Cadmium	1,000	2 U		2 U	2 U				2 U						2.5 B		
Chromium	5,000	5 U		5 U	5 U				5 U						5 U		
Lead	5,000	49.6 B		58 B	43 B				27.9 B						266		
Mercury	200	2 U		2 U	2 U				2 U						2 U		
Selenium	1,000	39 U		39 U	39 U				39 U						56.1 B		
Silver	5,000	2 U		2 U	2 U				2 U						2 U		
PBCs (ug/Kg)	Recommended Soil																
	Cleanup Objective (ug/kg)																
Aroclor-1016		47 U		37 U	35 U				35 U						38 U		
Aroclor-1221		96 U		74 U	71 U				71 U						76 U		
Aroclor-1232		47 U		37 U	35 U				35 U						38 U		
Aroclor-1242		47 U		37 U	35 U				35 U						38 U		
Aroclor-1248		47 U		37 U	35 U				35 U						22 J		
Arclor-1254		47 U		37 U	35 U				35 U						32 J		
Aroclor-1260		47 U		37 U	35 U				35 U						16 J		
Total PCBs	1, 000 (surface)														70		
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Acenaphthylene	41,000	140 U		110 U	420 U				110 U						450 U		
Anthracene	50,000***	140 U		110 U	420 U				45 J						450 U		
Benzo(a)anthracene	224 or MDL	140 U		110	420 U				110 J						450 U		
Benzo(b)fluoranthene	1,100	140 U		140	420 U				120						450 U		
Benzo(k)fluoranthene	1,100	140 U		110 U	420 U				47 J						450 U		
Benzo(g,h,i)perylene	50,000***	140 U		110 U	420 U				47 J						450 U		
Benzo(a)pyrene	61 or MDL	140 U		61 J	420 U				88 J						450 U		
Chrysene	400	140 U		150	420 U				120						450 U		
Dibenz(a,h)anthracene	14 or MDL	140 U		110 U	420 U				110 U						450 U		
Fluoranthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Fluorene	50,000***	140 U		110 U	420 U				110 U						450 U		
Indeno(1,2,3-cd)pyrene	3,200	140 U		110 U	420 U				49 J						450 U		
Naphthalene	13,000	140 U		110 U	420 U				110 U						450 U		
Phenanthrene	50,000***	140 U		110 U	420 U				150						450 U		
Pyrene	50,000***	140 U		180	420 U				180						450 U		
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	16	142	408	287	142	32	28	407	106	85	41	113	24	23	79	69
PCBs	500 ug/Kg	ND	ND	5 J	1 J	62 J	ND	ND	105 J	ND	ND	1 J	ND	ND	ND	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-11A	GP-11A	GP-11B	GP-11C	GP-12A	GP-12A	GP-12B	GP-12B	GP-12B	GP-12C	GP-13A	GP-13A	GP-13C	GP-14A	GP-15A	GP-16A
Depth (feet below land surface)		0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	0 - 3	3 - 6	3 - 6	3 - 6	6 - 7	0 - 3	0 - 3	6 - 7	0 - 3	0 - 2	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	28-May-98
Parameter			TCLP				TCLP		Dilution	TCLP			TCLP				
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	38 U		38 U		38 U		38 U				38 U					
Barium	100,000	2570		1610		856		900				1430					
Cadmium	1,000	18.5		8.6		4.6 B		4.2 B				20					
Chromium	5,000	5 U		5 U		5 U		5 U				5 U					
Lead	5,000	1220		704		178		224				541					
Mercury	200	2 U		2 U		2 U		2 U				2.2					
Selenium	1,000	39 U		58.5 B		39 U		39 U				39 U					
Silver	5,000	2 U		2 U		2 U		2 U				2 U					
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)																
Aroclor-1016		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1221		1600 U	2 U	78 U		84 U	2 U	74 U		2 U		67 U	2 U				
Aroclor-1232		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1242		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1248		800 U	1 U	57		19 J	1 U	48		1 U		48	1 U				
Arclor-1254		800 U	1 U	38 U		26 J	1 U	69		1 U		69	1 U				
Aroclor-1260		800 U	1 U	260		11 J	1 U	34 J		1 U		34 J	1 U				
Total PCBs	1, 000 (surface)	4200		317		56		151				151					
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	120 U	10 U	120 U		120	10 U	700	710 D	4 J		1300	2 J				
Acenaphthylene	41,000	120 U	10 U	120 U		110 J	10 U	790	740 D	10 U		440 J	10 U				
Anthracene	50,000***	120 U	10 U	120 U		600	0.2 J	2200	2300 D	0.7 J		1200	0.2 J				
Benzo(a)anthracene	224 or MDL	54 J	10 U	46 J		920	10 U	4500	5000 D	10 U		1600	10 U				
Benzo(b)fluoranthene	1,100	72 J	10 U	83 J		1100	10 U	3800	5000 D	10 U		2600	10 U				
Benzo(k)fluoranthene	1,100	46 J	10 U	110 J		440	10 U	1800	1500 D	10 U		910	10 U				
Benzo(g,h,i)perylene	50,000***	120 U	10 U	120 U		260	10 U	650	930 D	10 U		340 J	10 U				
Benzo(a)pyrene	61 or MDL	60 J	10 U	43 J		830	10 U	2900	3800 D	10 U		1200	10 U				
Chrysene	400	160	10 U	82 J		1100	10 U	4500	6000 D	10 U		2300	10 U				
Dibenz(a,h)anthracene	14 or MDL	120 U	10 U	120 U		120 U	10 U	250	150 J	10 U		440 U	10 U				
Fluoranthene	50,000***	120 U	10 U	98 J		1800	10 U	6500 E	7800 D	0.8 J		440 U	0.6 J				
Fluorene	50,000***	120 U	10 U	120 U		210	10 U	1400	1500 D	2 J		730	0.7 J				
Indeno(1,2,3-cd)pyrene	3,200	120 U	10 U	120 U		290	10 U	860	1200 D	10 U		400 J	10 U				
Naphthalene	13,000	120 U	10 U	120 U		60 J	10 U	1000	1200 D	10 U		440 U	10 U				
Phenanthrene	50,000***	93 J	10 U	120 U		1300	0.9 J	4700	5500 D	4 J		2000	0.8 J				
Pyrene	50,000***	92 J	10 U	81 J		1500	10 U	6200 E	6700 D	0.7 J		440 U	0.4 J				
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	55		122	132	370		332			170	332		156	57	89	140
PCBs	500 ug/Kg	323 J		162 J	82 J	105 J		45 J			82 J	62 J		1 J	11 J	ND	ND

150

7,800

13K

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

U —
60
~~170~~ — 13K

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-17A/B	GP-17B/C	GP-17D/E	GP-18A/B	GP-18C/D	GP-18D/E	GP-19A/B	GP-19B/C	GP-19D/E/F	GP-20A	GP-20B	GP-21A	GP-21B	GP-21C
Depth (feet below land surface)		0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 12	0 - 3	3 - 6	0 - 3	3 - 6	6 - 10
Date Sampled		27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	26-May-98	26-May-98	26-May-98	26-May-98	26-May-98
Parameter															
	Toxicity Characteristic														
RCRA Metals (ug/L)	Standards (ug/l)														
Arsenic	5,000								300 U	300 U	300 U		300 U		
Barium	100,000								1050	1070	1320		1820		
Cadmium	1,000								5.8	5 U	6.1		55.6		
Chromium	5,000								11	15.7	10 U		10 U		
Lead	5,000								311	104	653		588		
Mercury	200								2 U	2 U	2 U		2 U		
Selenium	1,000								500 U	500 U	500 U		500 U		
Silver	5,000								10 U	10 U	10 U		10 U		
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)														
Aroclor-1016									33 U	33 U	33 U		33 U		
Aroclor-1221									67 U	67 U	67 U		67 U		
Aroclor-1232									33 U	33 U	33 U		33 U		
Aroclor-1242									33 U	33 U	33 U		33 U		
Aroclor-1248									22 J	24 J	33 U		21 J		
Arclor-1254									42	74	33 U		62		
Aroclor-1260									20 J	50	11 J		36 J		
Total PCBs	1, 000 (surface)								84	148	11		119		
Total PCBs	10,000 (subsurface)														
PAHs (ug/Kg)															
Acenaphthene	50,000***								100 J	5500 J	49 J		38 J		
Acenaphthylene	41,000								81 J	330 U	24 J		330 U		
Anthracene	50,000***								150 J	12000	220 J		89 J		
Benzo(a)anthracene	224 or MDL								560	13000	920		290 J		
Benzo(b)fluoranthene	1,100								8400	5700 J	740		210 J		
Benzo(k)fluoranthene	1,100								600	5500 J	700		230 J		
Benzo(g,h,I)perylene	50,000***								280 J	7000 J	280 J		230 J		
Benzo(a)pyrene	61 or MDL								1000	9700	850		260 J		
Chrysene	400								680	13000	1100		300 J		
Dibenz(a,h)anthracene	14 or MDL								300 J	5400 J	300 J		260 J		
Fluoranthene	50,000***								1000	22000	1500		450		
Fluorene	50,000***								78 J	7000 J	66 J		37 J		
Indeno(1,2,3-cd)pyrene	3,200								400 J	7400 J	380 J		310 J		
Naphthalene	13,000								32 J	4400 J	330 U		330 U		
Phenanthrene	50,000***								350 J	42000	860		320 J		
Pyrene	50,000***								1300	30000	1300		370 J		
2-Methylnaphthalene	36,400								330 U	3900 J	330 U		330 U		
Immuno Assay (UG/Kg)	MDL														
PAHs	4 ug/Kg	222	42	26	36	16	8	19	888	494	618	444	244	7	99
PCBs	500 ug/Kg	ND	3 J	12 J	ND	90 J	42 J	121 J	ND	121 J	ND	247 J	63 J	42 J	90 J

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

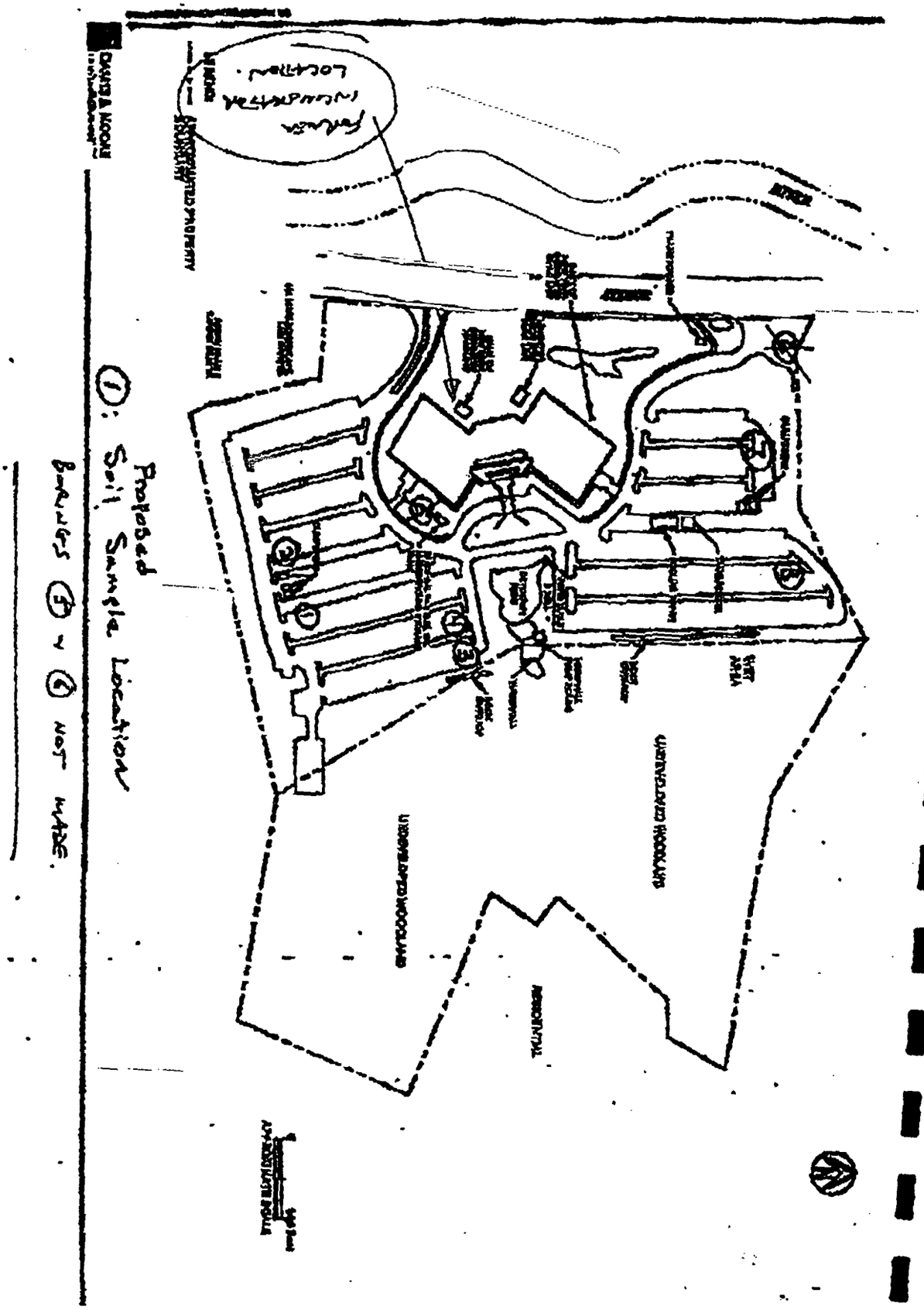
U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Appendices

A

APPENDIX A

Previous Reports


Former Incinerator Location.
Proposed
1: Soil Sample Location
Borings 5 & 6 NOT MADE.

DRAFT

Soil Sample ID / Depth	SB-1A 6'-8'	SB-2 0'-2'	SB-3 2'-4'	SB-4 0-2'	SB-7 2'-4'	SB-8 4'-6'	BS-1 1'	Regulatory Guideline
PARAMETER DETECTED								
VOCs (ug/Kg)								
Acetone	190	NA	43	NA	NA	60	NA	200
2-Butanone	40	NA	19	NA	NA	18	NA	300
Ethylbenzene	6	NA	ND	NA	NA	ND	NA	5,500
Styrene	2J	NA	ND	NA	NA	ND	NA	16,000,000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Naphthalene	28J	NA	ND	NA	ND	160J	NA	13,000
2-Methylnaphthalene	[illegible]	NA	[illegible]	NA	[illegible]	[illegible]	[illegible]	[illegible]
Acenaphthylene	ND	NA	ND	NA	ND	48J	NA	41,000
Acenaphthene	ND	NA	ND	NA	ND	68J	NA	50,000
Phenanthrene	44J	NA	26J	NA	ND	ND	NA	50,000
Anthracene	ND	NA	6J	NA	ND	ND	NA	50,000
Di-n-butylphthalate	ND	NA	22JB	NA	ND	ND	NA	NE
Fluoranthene	49J	NA	40J	NA	29J	650	NA	50,000
Pyrene	99J	NA	37J	NA	25J	1,200	NA	50,000
Benzo (a) anthracene	41J	NA	ND	NA	ND	600	NA	224
Chrysene	86J	NA	ND	NA	ND	670	NA	400
bis(2-Ethylhexyl) phthalate	1,500	NA	120J	NA	ND	15,000	NA	880*
Benzo (b) fluoranthene	39J	NA	ND	NA	ND	300J	NA	880*
Benzo (k) fluoranthene	34J	NA	ND	NA	ND	230J	NA	1,100
Benzo (a) pyrene	ND	NA	ND	NA	ND	320J	NA	61
Indeno (1,2,3-cd) pyrene	ND	NA	ND	NA	ND	84J	NA	880*
Benzo (g,h,i) perylene	ND	NA	ND	NA	ND	55J	NA	50,000
PCBs (ug/Kg)								
Aroclor -1242	ND	NA	ND	ND	ND	13,000	NA	NE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND	[illegible]	[illegible]
Aroclor -1260	ND	NA	91	ND	ND	ND	NA	NE
Total PCBs	49J	NA	180	ND	ND	13,000	NA	1,000/ 10,000**
8 RCRA Metals (mg/Kg)								
Arsenic	23.1	4.3	14.1	5.6	7	8.4	8.3	7.5 or background
Barium	1000	349	312	410	245	198	133	300 or background
Cadmium	2.6	0.22U	0.24U	0.22U	0.23U	0.22U	0.35U	1.0 or background
Chromium	163	83.4	60.9	97.5	97.7	40.7	46.9	10 or background
Lead	1770	208	593	34	24.5	372	97.8	background
Mercury	1.1*N	0.10U*N	0.12U*N	0.078U*N	0.092U*N	0.19*N	0.35*N	23*
Selenium	5.6	2	5.6	1.6	2.3	3.9	3.9	2.0 or background
Silver	6.2	0.22U	6.2	0.22U	0.23U	1.2B	0.35U	390*

Notes:

Soil samples collected on March 5, 1998

ug/Kg: microgram per kilogram or part per billion.

mg/Kg: milligram per kilogram or parts per million.

B: Indicates compound was found in the associated blank.

J: Value is less than the laboratory reporting limit but greater than zero.

NA: Not Analyzed

ND: Not Detected above lab quantitation limits.

NE: None Exists

[ ] Exceeds Regulatory Guidance Limit

Regulatory Guideline: "New York State Department of Environmental Conservation (NYSDEC) Hazardous Waste Remediation Division Technical and Adminstative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-92-4046", November 16, 1992.

* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III.
Risk-Based Concentration (RBC) Table. April 19, 1996. [Category: "soil ingestion:residential" (most stringent)]

** PCB Cleanup Guideline 1,000 ug/kg in surface soils, 10,000 ug/kg in subsurface soils

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Groundwater Sample ID	PW-1	SB-3-GW	Regulatory Guideline
PARAMETER DETECTED			
VOCs (ug/L)	ND	ND	Various
SVOCs (ug/L)			
Diethylphthalate	ND	0.7J	50
Di-n-butylphthalate	0.6JB	ND	NE
bis(2-Ethylhexyl) phthalate	0.8J	ND	4.8*
8 RCRA Metals (mg/L)			
Arsenic	2.0U	2.0U	25
Barium	27B	68J	1,000
Cadmium	1.3B	1.5B	10
Chromium	1.0U	1.3B	50
Lead	1.1B	1.8B	25
Mercury	0.2U	0.3	2
Selenium	2.0U	2.0U	10
Silver	1.0U	1.0U	50

Notes:
Groundwater samples collected on March 5, 1998
ug/L: microgram per liter or part per billion.
mg/L: milligram per liter or parts per million.
NA: Not Analyzed
ND: Not Detected above laboratory quantitation limits.
NE: None Exists
J: Value is less than the laboratory reporting limit but greater than zero.
B: Indicates compound was found in the associated blank.
Samples collected from PW-1 collected in pre-preserved containers for total 8 RCRA Metals Analysis
Samples collected from SB-3-GW filtered prior to preservation for dissolved metals analysis
Regulatory Guideline: "Water Quality Regulations, Surface Water and Groundwater Classifications and Standards 6NYCRR, Title 6, Chapter X, Parts 700-705", September 1991, amended October 7, 1993.
* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III. *Risk-Based Concentration (RBC) Table*. April 19, 1996. [Category: "tap water" (most stringent)]

AKRF, Inc.

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVENUE
HARRISON, NEW YORK
PROJECT NUMBER: 5235

Prepared for:
500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York
10528-1600

Prepared by:
AKRF, Inc.
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April 1997

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FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Plan

APPENDICES

Appendix A - Photographic Documentation

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York. The approximately 34.5 acre site consisted of a five-story office building with an approximately 52,000 square foot footprint. The remaining portions of the study site included bituminous paved tenant parking areas and landscaped shrubbery, lawns, and two ponds. The eastern portion of the study site contained undeveloped wooded land. Construction of the structure began in 1984, and tenants began occupancy around 1987. Prior to its current usage, the northern portion of the study site was used as a domestic refuse transfer station (from 1970 to the early 1980's) and a domestic refuse incinerator (from 1954 to 1969).

No on-site leaks, discharges, or evidence of spillage of hazardous materials were observed at the study site. No current uses indicated potential environmental concerns. No off-site sources of contamination were identified. The following conditions were noted:

- Historical research indicates that prior study site uses include a solid waste transfer station, and a domestic refuse incinerator.

- One water supply well was identified on-site. The well was reported to be used to fill the eastern pond twice a year subsequent to draining and cleaning the pond, and is not used as a potable water source. Water pumped out of the pond is discharged to the Westchester County storm sewers.

- The study site utilizes a 20,000-gallon fuel oil underground storage tank. The fiberglass reinforced tank, installed in 1982, is permitted until January 18, 1999, and appears to meet current New York State Department of Environmental Conservation (NYSDEC) and Environmental Protection Agency (EPA) tank regulations.

Past usage of the study site as a transfer station and incinerator may have affected soil and groundwater beneath the study site.

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1 - Site Location Map. The study site is defined by the Town of Harrison as Block 482, Lot 8 and is shown on Figure 2 - Site Plan. The approximately 34.5 acre study site is currently occupied by one five-story commercial office building with a sub-basement. The building was originally constructed in 1983, with tenant occupancy beginning around 1986. The remaining portions of the study site include bituminous paved parking areas and landscaped shrubbery and lawns. Properties abutting the site include: 550 Mamaroneck Avenue, an office building, to the north; residential buildings to the east; 450 Mamaroneck Avenue, an office building, to the south; law offices and the Acorn Farm & Garden Center to the east along the southern parking area; and the Mamaroneck River to the east across Mamaroneck Avenue.

The scope of services for this assessment included the following:

- A review of published geological and groundwater information to determine the possibility of contamination from off-site sources.

- A review of historical Sanborn Fire Insurance Maps for the study site and adjacent properties.

- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the US EPA Civil Enforcement Docket.

- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); and Major Oil Storage Facilities (MOSF).

- A review of available local Building Department, Engineering Department, Health Department, Fire Department, and Tax Assessor's records was conducted to obtain any information pertinent to the assessment of the environmental condition of the study site. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on February 12, 1997 by Mr. Timothy J. Groninger of AKRF, accompanied by Mr. John Stilgebauer, building superintendent. The inspection was conducted at 8:00 a.m. At the time of the inspection, the weather was fair (35° F) and overcast. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The study site contained of a four-story office building and associated parking. The site consisted of approximately 34.5 acres, including approximately 17 acres of undeveloped woodland located along the eastern side parcel. The building was originally constructed in 1983, with tenant occupancy beginning in 1986. Bituminous paved parking areas were located north, east, and south of the building. One artificial pond with an artificial waterfall was located east of the building, and one smaller pond was located west of the building. The waterfall was supplied water via an on-site well located along the northern edge of the pond. The pump for the waterfall was located within a pump house. A 5-gallon bucket of antifreeze was observed in the pump house, which Mr. Stilgebauer used as coolant for the pump. According to Mr. Stilgebauer, water in the pond is replaced twice a year when the pond is cleaned. Study site stormwater, including storm drains located throughout the parking lot, and the outflow from the pond, discharge to county storm sewers located along Mamaroneck Avenue. A fill cap and access vault cover for an underground fuel oil storage tank were noted between the southeastern wall and the sidewalk. Mr. Stilgebauer stated that the tank had a 20,000 gallon capacity.

The western side of the study site was landscaped with lawn areas and a small pond surrounded by taller grasses and other vegetation. Several air conditioning units were noted along the western edge of the building. No unusual staining, odors, or storage of hazardous materials were observed over the study site exterior.

The building consisted of five stories and a sub-basement. The building was constructed of a lift-slab on steel frame with a glass facade and contained offices for the following tenants: Advantis, American Express Financial Services, Bank of New York, Canada Life Insurance Company of New York, Castle Oil Corporation, Food City Markets, Frenchrail, Tom Julius, Metric Tours, Rail Europe Group, Rich Worldwide, and Schulman Realty. Tenants occupied each floor, and maintenance/facilities and a cafeteria occupied the second floor.

The sub-basement utilities included: five fuel oil boilers, two 300-ton Trane air conditioning units, four Graham blower control units, four 40-hp air supply fans, four 20-hp air return fans, and the pneumatic control system compressor. The compressor blow-out piping was connected to a floor drain. According to Mr. Stilgebauer, the floor drain was connected to the County sanitary sewer. Sub-basement chemical storage included six 55-gallon drums labeled "EGI Coolant," used as

antifreeze for the boiler cooling water, and several bags of asphalt mix. The drums were empty, and Mr. Stilgebauer informed AKRF that he was in the process of switching coolant brands.

The fire control system for the building was located in the central portion of the basement, which was referred to as the first floor by the building owners. The fire control system consisted of ceiling-mounted water sprinkler units. Chemical storage in the fire control room included paints, thinners, and motor oil, which were observed to be neatly stored in a combustion cabinet.

The elevator room, located east of the elevator shaft on the basement ("first") floor included five hydraulic units that appeared to be in good condition. No staining or other evidence of leakage was noted. Mr. Stilgebauer informed AKRF that maintenance for these components was contracted off-site; no on-site oil storage was necessary. One partially empty five-gallon pail of #27 hydraulic oil was observed in the elevator room. The electric and telephone rooms, located on the basement ("first") floor, were observed to be clean and free of debris. The cafeteria, located in the northern portion of the basement ("first") floor, included a full kitchen, several refrigeration units, stoves, and a dishwashing machine. Dishwashing wastewater was discharged to a floor drain, which was reported to be connected to County sanitary sewer.

2.2 Topography and Hydrogeology

The site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the study site, based on the National Geodetic Vertical Datum (NGVD) of 1929, according to the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck, New York Quadrangle. Based on topographic mapping and features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the study site.

According to the September 1994 General Geology Map of Putnam and Westchester Counties, New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property, as shown on Figure 2.

2.3 Storage Tanks (USTs and ASTs)

2.3.1 Underground Storage Tanks (USTs)

One registered underground storage tank was located on-site, approximately 50 feet southeast of the southeastern corner of the building. The 20,000 gallon tank, containing No. 2 fuel oil, is used to heat the building.

Off-site USTs are discussed in Section 4.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

No aboveground storage tanks were noted during the site inspection.

2.4 Polychlorinated Biphenyls (PCBs)

Two concrete pad-mounted electric transformers were identified on-site. One of the transformers, located on the northwestern corner of the study site, was owned by Consolidated Edison. The second transformer, located north of the building between rows of parking, was owned by 500 Mamaroneck Avenue Associates. Both transformers were observed to be in good condition, with no visible signs of staining.

2.5 Utilities

Consolidated Edison (ConEd) supplies electricity and Westchester County provides potable water and sanitary sewer service to the study site. According to representatives from the Harrison Building Department, water and sewer service were connected at the time of the building's construction.

2.6 Waste Management and Chemical Handling

Five dumpsters were located on the study site; three were located in the southern parking area and two were located in the northern parking area. No hazardous materials or staining were noted around the dumpsters. The dumpsters were reported to be emptied daily by A-1 Compaction. Waste paper for recycling was observed in a room on the eastern side of the second floor. Floor drains were connected to the sanitary sewer system, and site drainage discharged to Westchester County storm sewers, located along Mamaroneck Avenue.

Maintenance- related chemicals, such as cleaning agents, paints, oils, antifreeze, and deicing agents were stored in sufficient quantity for short term use. Observed chemicals were neatly stored in clearly marked containers. No long term storage of these chemicals was observed.

3.0 ADJACENT LAND USE

According to the Town of Harrison Building Department, the subject property is located in an area zoned SB-1, Special Business, which allows for commercial office space. The study site is abutted by: 550 Mamaroneck Avenue to the north (multi-story commercial office building); residential areas to the east; 450 Mamaroneck Avenue (multi-story commercial office building housing Citicorp North America), the Law Offices of Clune, Hayes, Frey, Bentzen, & Cline, P.C. (single-story converted office space) and Acorn Farm & Garden Center (retail) to the west; and the Mamaroneck River to the west across Mamaroneck Avenue.

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2.5
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12

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Sanborn Mapping

Maps of the study site and vicinity were requested from the Sanborn Mapping and Geographical Information Service. Sanborn maps dated 1996, 1995, 1994, 1993, 1992, 1990, 1950, and 1934 were available and were reviewed. Details from the maps are as follows:

1996 The subject property and surrounding areas appeared similar to present conditions. The study site was identified on the map as a glass office building constructed in 1987. Two office buildings were mapped north of the study site, beyond which was the Kentucky Riding Stables. Harrison High School and a utility substation were located northeast of the study site, beyond a row of houses on Union Avenue. Additional residential areas were identified to the east and southeast. No coverage was available to the south and west.

1995 - 1990 The study site and surrounding areas appeared similar to the 1996 map.

1950 The study site was undeveloped. Property boundaries in this vicinity appeared different to the property lines noted in later maps. North-adjacent office buildings shown in later maps were not present. The Kentucky Riding Stables was labeled the Kentucky Riding Academy. The utility substation and Harrison High School were not present. None of the residences shown in later maps along Union Avenue were present. Residential areas located to the east and southeast of the study site were noted to be less densely developed.

1934 The study site and surrounding areas appeared similar to the 1950 map. Residential areas located southeast of the study site were noted to be less densely developed than in the 1950 map.

4.2 Regulatory Review

AKRF reviewed federal, state, and local records to identify the use, generation, storage, treatment, and/or disposal of hazardous materials and chemicals, or releases of such materials which may impact the subject site. AKRF personnel reviewed databases maintained by the US EPA and New York State Department of Environmental Conservation (NYS DEC) for the study site and adjacent areas.

4.2.1 Federal

The federal records reviewed included the National Priority List (NPL) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the Civil Enforcement Docket.

National Priority List (NPL)

The NPL is the US EPA's database of hazardous waste sites identified for probable remedial action under the Superfund Program.

No NPL sites were identified within a one-mile radius of the study site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the EPA has investigated, or plans to investigate, for a release or threatened release of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA).

No CERCLIS sites were identified within a one-half mile radius of the site

Emergency Response Notification System (ERNS)

This federal database is compiled from the Emergency Response Notification System records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property is not currently listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the US EPA and/or NYS DEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. Data includes the maximum amount stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on transfer of chemicals off-site.

No TRIS sites were identified within a one-quarter mile radius of the project site.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the US EPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

The subject property is not currently included on the US EPA's Civil Enforcement Docket.

4.2.2 State

The state regulatory databases reviewed included the listings of hazardous material spills (SPILLS), Leaking Storage Tanks (LRST), Resource Conservation and Recovery Act Notifiers (RCRA), Chemical Bulk Storage (CBS), Solid Waste Facilities (SWF), Petroleum Bulk Storage (PBS), and Major Oil Storage Facilities (MOSF).

New York SPILLS Database

The New York SPILLS database includes a list of toxic spills, which are divided into six groups: Active Status - Tank Failures, Active Status - Tank Test Failures, Active Status - Other Spills, Closed Status - Tank Failures, Closed Status - Tank Test Failures, and Closed Status - Other Spills.

New York Leaking Storage Tanks

The New York Leaking Storage Tanks (LRST) database includes a list of tank test failures and a list of tank failures that have not yet been resolved.

No leaking storage tanks were recorded within a one-half mile radius of the site.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYS DEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA.

No RCRA Treatment, Storage, and Disposal facilities were identified within a one-mile radius of the study site. No RCRA generator/transporter sites were reported within a one-quarter mile of the property.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No chemical bulk storage facilities are listed within a one-quarter mile radius of the site.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers and other sites that manage solid waste.

No solid waste facilities are listed within a one-mile radius of the subject property.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground and less than 400,000 gallons.

The study site and three other petroleum bulk storage sites are listed as containing storage tanks. Details of these facilities are as follows:

Facility/Address	Capacity (gallons)	Contents	Date Installed	Status	Approximate Distance/ Hydrogeologic Direction
500 Mamaroneck Avenue	20,000	fuel oil	12/82	in use	study site
Mendik Realty Company, Inc./ 550 - 600 Mamaroneck Avenue	15,000	fuel oil	1/69	in use	570 feet south/ lateral gradient
	15,000	fuel oil	1/71	in use	
Citicorp North America, Inc./ 450 Mamaroneck Ave.	5,000	fuel oil	10/80	in use	580 feet north/ lateral gradient
The Bank of New York/ 440 Mamaroneck Avenue	6,000	gasoline	3/80	in use	718 feet north/ lateral gradient
	6,000	gasoline	3/80	in use	
	7,500	fuel oil	12/79	in use	
	7,500	fuel oil	12/79	in use	
	275	fuel oil	12/79	in use	

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

No Major Oil Storage Facilities were recorded within a one-quarter mile radius of the study site.

4.2.3 Local

Records maintained by the Tax Assessor, Fire Marshal, Health, Building and Engineering Departments were investigated to determine the potential presence of hazardous materials. These records typically include fuel oil, gasoline and used oil tank installation applications and permits and records of prior uses. Available files pertaining to this property were obtained and reviewed.

Tax Assessor

According to the Village-Town of Harrison Tax Assessor's property card, the property, referred to as Block 482, Lot 8, is listed as a developed lot owned by 500 Mamaroneck Avenue Associates. This property was combined from Lots 26, 26.1, and 8 in two transactions in 1983. The current study site parcel comprises 34.54 acres. Previous site owners, as documented in the Tax Assessor's office, are as follows:

Owner of Record	*Date Purchased*
500 Mamaroneck Avenue	May 16, 1985***
Lowell M. Schulman	July 6*, July 28, 1983**
Arthur Marros	January 14, 1953**
Peter Panousis	prior to 1940**
Town of Harrison	prior to 1940*

Notes: *Lots 26 and 26.1
**original Lot 8
***new Lot 8, incorporating the original Lot 8, and Lots 26 and 26.1

Building Department

According to records maintained by the Building Department, no complaints or violations were on file for the study site or surrounding areas. According to a zoning map viewed by AKRF personnel in the Building Department, the site is located in an SB-1 Zone, Special Business. The areas north and south of the study site are also zoned SB-1 The area east of the study site is zoned for residential use. .

According to Building Department records, the study site was used as a municipal refuse

incinerator from 1954 to 1970 and a municipal refuse transfer station from 1970 to 1983. Construction for the foundation of the present structure began in October 1984, and construction of the main four-story office building began in April 1985.

Engineering Department

According to Ms. Carol McGowan of the Village-Town of Harrison Engineering Department, 500 Mamaroneck Avenue is connected to municipal sanitary sewer and potable water services. The study site is within the Mamaroneck Valley Water District of the Westchester Joint Water Works.

Health Department

A Freedom of Information Letter was sent to the Westchester County Department of Health. At the time of release of this report, no information had been provided by this agency.

Fire Marshal

According to an employee of the Village-Town of Harrison Fire Department, the Fire Marshal of the Village-Town of Harrison transferred all records to the Village-Town of Harrison Building Department. No information regarding underground storage tanks, oil and/or chemical spills, storage of hazardous materials or fires was on file for the study site property.

5.0 CONCLUSIONS

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York. The approximately 34.5 acre site consisted of a five-story office building with an approximately 52,000 square foot footprint. The remaining portions of the study site included bituminous paved tenant parking areas and landscaped shrubbery, lawns, and two ponds. The eastern portion of the study site contained undeveloped wooded land. Construction of the structure began in 1984, and tenants began occupancy around 1987. Prior to its current usage, the northern portion of the study site was used as a domestic refuse transfer station (from 1970 to the early 1980's) and a domestic refuse incinerator (from 1954 to 1969).

No on-site leaks, discharges, or evidence of spillage of hazardous materials were observed at the study site. No current uses indicated potential environmental concerns. No off-site sources of contamination were identified. The following conditions were noted:

- Historical research indicates that prior study site uses include a solid waste transfer station,

and a domestic refuse incinerator.

- One water supply well was identified on-site. The well was reported to be used to fill the eastern pond twice a year subsequent to draining and cleaning the pond, and is not used as a potable water source. Water pumped out of the pond is discharged to the Westchester County storm sewers.

- The study site utilizes a 20,000-gallon fuel oil underground storage tank. The fiberglass reinforced tank, installed in 1982, is permitted until January 18, 1999, and appears to meet current New York State Department of Environmental Conservation (NYSDEC) and Environmental Protection Agency (EPA) tank regulations.

Past usage of the study site as a transfer station and incinerator may have affected soil and groundwater beneath the study site.

6.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property. The work was performed by AKRF personnel in accordance with our February 5, 1997 proposal and is subject to AKRF's General Terms and Conditions. The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E 1527-94, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. It is intended for use as a guide in determining the presence or absence of hazardous materials on the subject property at the time of the inspection. Environmental characteristics at this site and surrounding sites will change.

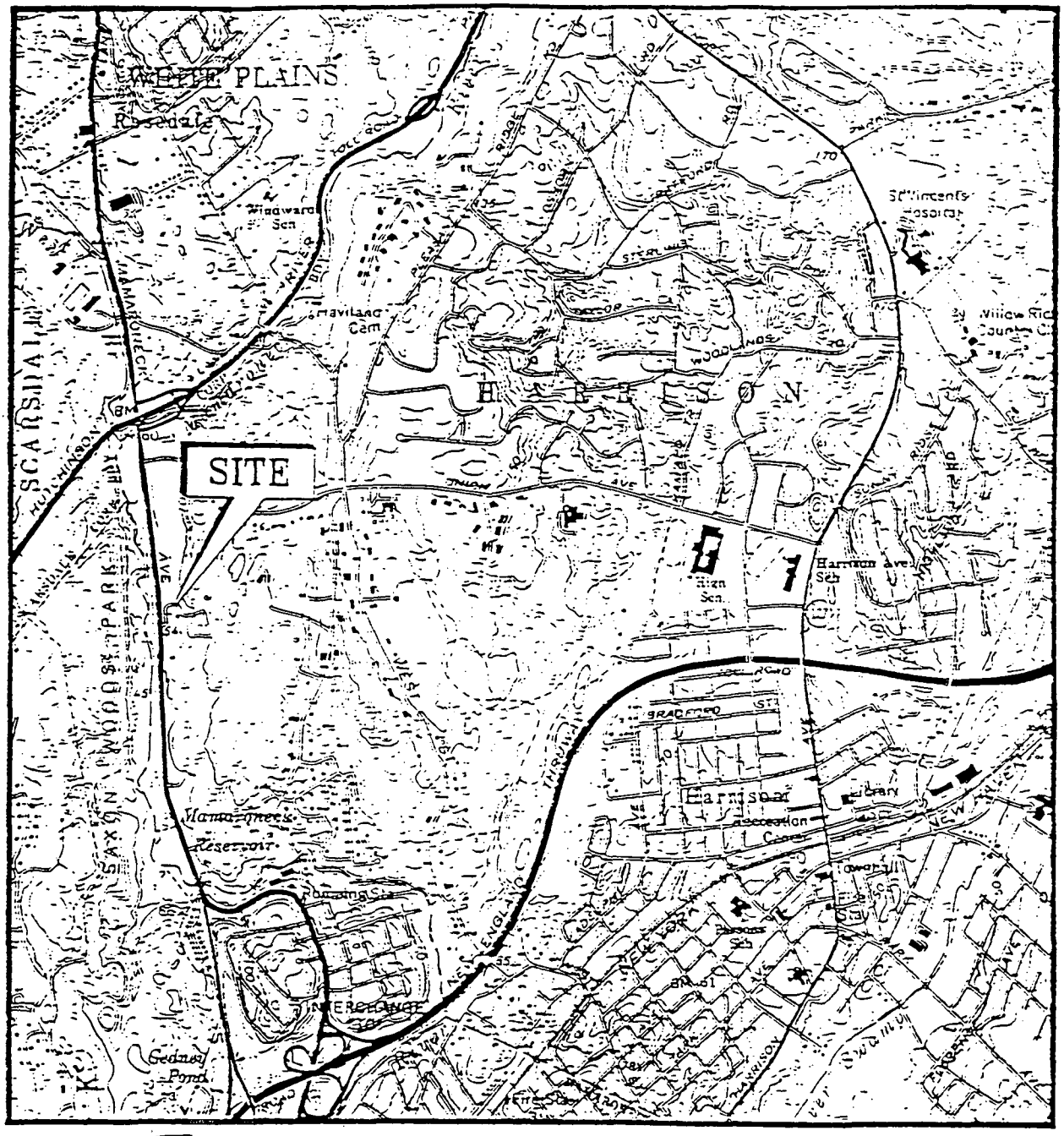
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances.

7.0 REFERENCES

1. U.S. Geological Survey; Mamaroneck Quadrangle - N.Y. - Conn.; 7.5 Minute Series (Topographic); Scale 1:24,000.

2. Environmental Risk Information & Imaging Services; *500 Mamaroneck Avenue, Harrison, New York; ERIIS Custom Detail Radius Report*; February 12, 1997.

3. United Stated Department of Agriculture, Soil Conservation Service; *Soil Survey of Putnam and Westchester Counties, New York*; September 1994.



SCALE IN FEET

0' 500' 1000' 1500' 2000' 3000' 4000'

SCALE: 1" = 2000'

QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAP – MAMARONECK, N.Y.–CONN. QUADRANGLE – DATED 1967 PHOTOREVISED 1975.

N
W E
S

500 MAMARONECK AVENUE
MAMARONECK, NEW YORK

SITE LOCATION MAP

AKRF, Inc.
Environmental Consultants
149 Water Street Norwalk, Connecticut 06854

DATE 2/12/97

PROJECT No. 5235

FIGURE No. 1

© 1997 AKRF, Inc. Environmental Consultants C:\5235\F1

U.S. HYDROGEOLOGIC, INC.

ENVIRONMENTAL

AUDIT

October 26, 1989

Prepared By:

U.S. Hydrogeologic, Inc.
328 Main Mall
Poughkeepsie, NY 12601

Prepared For:

Henry M. Celestino
Schulman Management
925 Westchester Ave.
White Plains, NY 10604

Project Manager:

John A. Conrad
Senior Hydrogeologist

This preliminary investigation assesses the likelihood that contamination from hazardous or regulated materials stored, used or disposed of is present on the property described herein. This report has been prepared in conformance with reasonable investigatory practices, including the review of public records, inspection of site vegetative and topographic features and such other analytic procedures as we considered necessary in the circumstance.

October 26, 1989

Job Number: SH90200

Site Identification:	Town of Harrison, Westchester County Tax Block 428, Lot 8, (formerly Lots 8, 26, and 26.1)
Property Size:	34.65 acres

1.0 Introduction

This Environmental Audit is intended to identify potential environmental risks associated with the storage, use, transport, or disposal of hazardous or regulated materials on a 34.65 acre parcel in the Town of Harrison, Westchester County, New York, Tax Block 428 Lot 8, (formerly lots 8, 26, and 26.1).

The specific components of this investigation are as follows:

1. Investigation of the site's history, including a review from readily available sources that document changes or activities of concern on the subject property and adjacent properties. For this analysis, aerial photographs taken during the years 1947 - 1986 were reviewed in addition to road maps, USGS topographic maps, Town of Harrison tax maps, assessment records, and interviews with current facility owner/operators. A complete list of sources and personal communications are provided in Section 5.0 of this report.

2. Review of records maintained by state and local environmental agencies, including NYSDEC petroleum and chemical bulk storage records, the USEPA National Priority List and the NYSDEC list of inactive hazardous waste sites, Westchester County Health Department records.

3. Site inspection of the property, with particular concern for topographic or vegetative indications of surface or subsurface contamination.

4. Laboratory analysis of soil and groundwater samples.

This written analysis is an assessment of the 34.65 acre site in the Town of Harrison, New York, and is not valid for any other property or location. It is a representation of the property analyzed as of the dates of record reviews and the site inspection. This report cannot be held accountable for activities or events resulting in contamination after the date of site inspection or historic research.

This Audit was performed in accordance with generally accepted practices. The findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on our professional judgement concerning the significance of the limited data gathered during the course of this study. Specifically, this assessment does not and cannot represent that the site contains no contamination from hazardous materials.

This Audit is based in part on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state and/or local agencies available at the time of this Audit. No attempt was made to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

It is intended for the sole use of Schulman Management and must be used in its entirety.

2.0 Site Location and Description

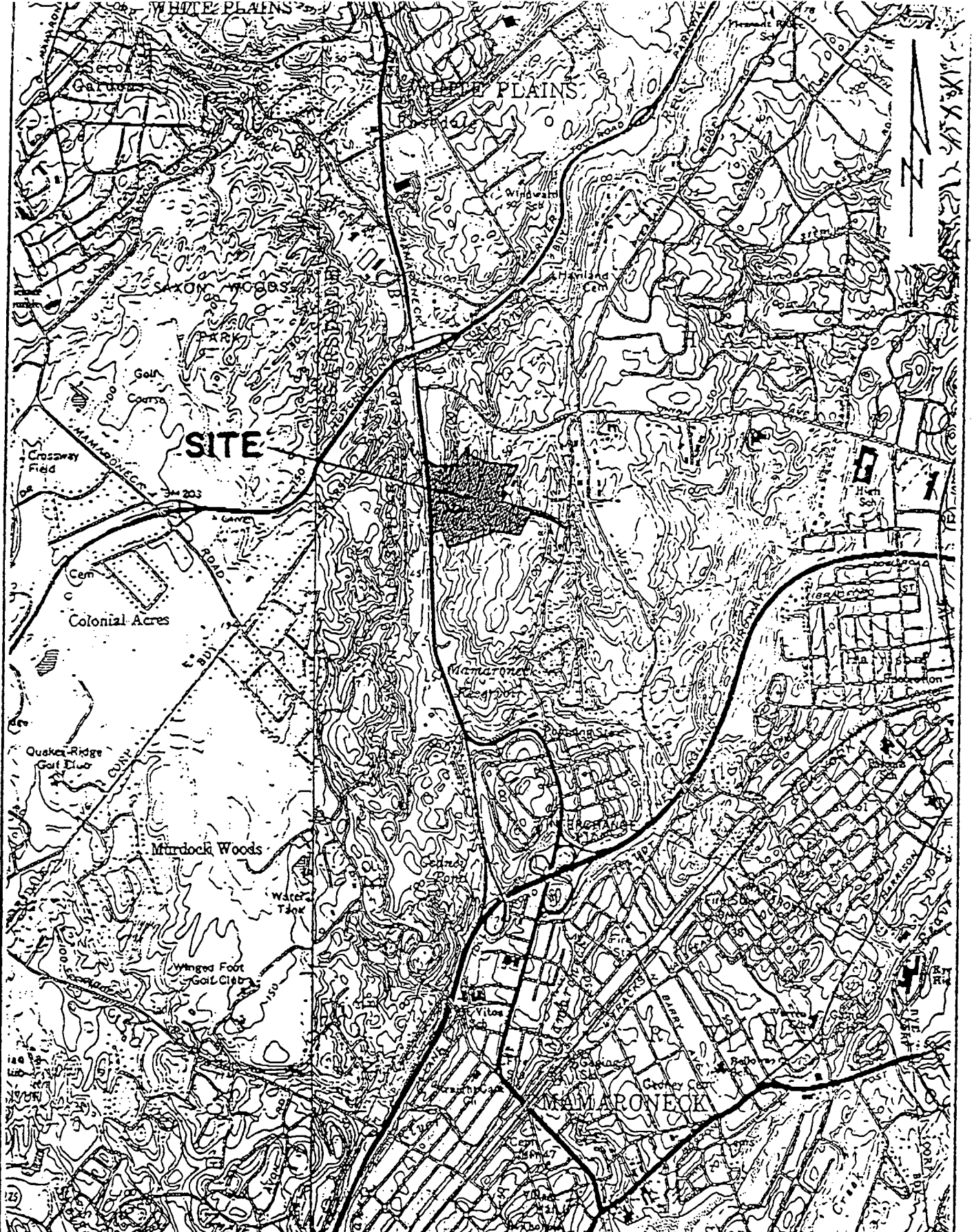
The subject property consists of 34.65 acres in the Town of Harrison, Westchester County, New York. The property is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue (Location Map). The entire site is comprised of one tax parcel, Lot 8 (formerly Lots 8, 26, and 26.1), and has approximately 1000 linear feet of frontage along Mamaroneck Avenue. The property also has 25 feet of frontage on Winfield Avenue.

Approximately 14 acres of the site have been improved in conjunction with the construction of one five-story office complex, totalling 275,000 square feet. Each story contains 55,000 square feet in gross floor area. The parking area covers approximately 9 acres. Water is provided by the municipal system. The site has no drinking water wells. One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system. Site features are shown on the Site Features Map.

Site topography has changed substantially as a result of on-site construction activities. Approximately 200,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site.

The site currently rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

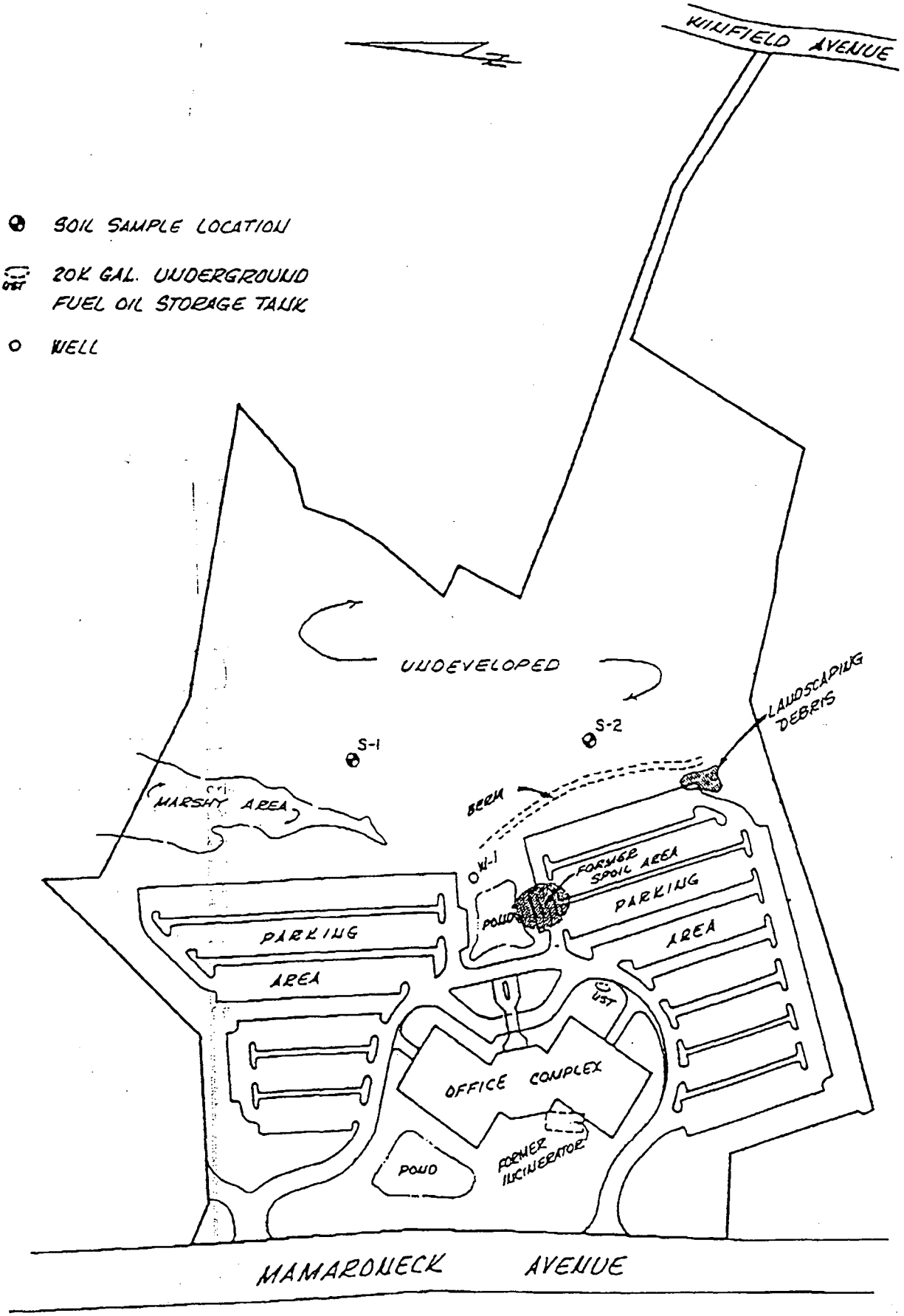
The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store. All adjacent parcels are down-gradient of the undeveloped portion of the subject property.



BASE MAP: USGS Topographic Quadrangles - Mamaroneck, 1967, photoinspected 1975 & Mount Vernon, 1966, photorevised 1979

SITE LOCATION	DATE: 10/89
	SCALE: 1"=2000'
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 4

JUL 7'97 19:17 FR ENS 212 225 5166 TO 98488300 212 225 5166 P.06/44



NOTE: All locations are approximate.

BASE MAP: Compiled from Westchester County Tax Maps & GZA Environmental Assessment - Figure 2, Site Plan, May 1986

SELECTED SITE FEATURES & SAMPLE LOCATIONS	DATE: 10/89
	SCALE: N/A
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 5

3.0 Background Investigation

3.1 Site History

Subject Property:	Tax Map Town of Harrison Block 428, Lot 8 (formerly Lots 8, 26, and 26.1)	
		Date of Purchase
Current Owners[1]:	Schulman, Lowell M.	1983 to present
Previous Owners[1]:	Lot 8: Arthur Marros	to 1983
	Lot 26: Town of Harrison	to 1983
	Lot 26-1: Richard Harmony	to 1983

The site currently contains one primary structure: a five-story office building (275,000 square feet) and associated paved parking and landscaping. Tax records list one office building, built in 1986, and one receiving dish of steel and aluminum construction installed in 1989. Records also show that this site is provided with municipal water and sewer.

A series of aerial photographs showing the subject property and surrounding property during the years 1947-1986 were reviewed in order to assess changes on the subject property and surrounding area.

Tax records show that the site is the former location of the Town of Harrison incinerator. This incinerator was reportedly built in 1954, and demolished in 1984.

A review of aerial photographs shows that up until 1954 the subject property appeared to be vacant land. In the 1954 aerial, the Town incinerator is clearly visible. From 1954 until 1980, the aerials show no major changes on the site. The incinerator appears in all of these aerials. In several of the aerials, a faint path or roadway is visible leading from the incinerator to the rear of the property. Also consistently visible in these aerials is a small area of soil disturbance located near Mamaroneck Avenue, north of the incinerator, on the subject property. No additional large scale soil disturbance or debris was noted on the subject property during this time period.

In the 1986 aerial, the current building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

From 1947 to 1960, there were signs of soil disturbance on properties located adjacent to and north of the subject property. This did not appear to be associated with construction of buildings which later occurred on the sites. In the 1960 aerial, which is of poor resolution, there is no sign of continued soil disturbance. A 1971 aerial of the area shows two buildings located on those adjacent sites which formerly showed signs of soil disturbance.

[1]Information on current or former property ownership is gathered from property cards and/or Westchester County records. This does not constitute a title search.

JUL 7'97 19:18 FR BNS 212 225 5166 212 225 5166 TO 96468500 P.08/44

Two previous environmental assessments have been conducted. Copies of these reports are included in Appendix B. The first study is dated May 1986 and included limited soil and groundwater analysis. No areas of environmental concern were identified. A second study dated April 1988 again identified no environmental concerns.

3.2 Regulatory Review

A routine check of state and federal documents and sources was performed to identify recorded hazardous waste or regulated substance activities on the subject property.

The property is not listed with state or federal agencies as an inactive hazardous waste site. The nearest inactive hazardous waste site is Mamaroneck Senior Citizens Housing (Site Code 36002) in the Village of Mamaroneck, approximately 2.2 miles southeast of the subject property. Sampling of soil and wastes in May 1988 confirmed the presence of hazardous industrial waste resulting from activities in the 1950s to the early 1970s on the 7.85 acre Mamaroneck Senior Citizen's Housing site.

One underground storage tank is currently registered with the NYSDEC for this property. The tank is used for storing heating oil. Tank capacity is 20,000 gallons. The tank registration number is 494429.

The property is not currently registered with federal or state governmental agencies as a small quantity generator of hazardous waste, nor are the adjacent properties.

3.3 Site Investigation

The site inspection was conducted on October 12, 1989 in order to address any potential concerns raised during the investigations of historical records and regulatory agency records (above, Section 3.1 and 3.2) and to identify any additional indications of contamination from the storage, use and/or disposal of hazardous or regulated materials. An unoccupied portion of the facility was inspected, as well as the surrounding developed and undeveloped property. A visual inspection of adjacent and nearby properties was performed in conjunction with this inspection.

<u>Structures</u>

The site contains a 275,000 square foot office structure, constructed in 1986 by the current property owners. The building is a concrete and glass structure. There was no evidence of asbestos containing materials (ACM) in the walls or ceilings and there was no ACM visible on the hot water heating pipes inspected during the course of the internal inspection.

Internal areas inspected appeared to be free of lead paint, consistent with the age of construction. There is no evidence of older painted material in the building.

One transformer is present on the site, identification number 44W77W83. The transformer is the property of Consolidated Edison Company and is installed during construction of the existing facility, in 1986. Con Ed has verified that this transformer contains no PCBs. The transformer is stationed on concrete pads and secured; there was no evidence of oil leakage around the transformer.

Internal areas currently occupied by building lessees was not inspected; however, both tenants utilize the building for office purposes or for computer disassembly and reassembly. No chemicals are reported stored in these areas by the facility maintenance engineer, and no hazardous waste is generated by activities on the site.

The 20,000-gallon underground fuel oil storage tank is situated along the edge of the south parking area. The tank was installed in May 1986 and is constructed of fiberglass-reinforced plastic with steel piping. A vapor monitor leak detection system is in place. According to the facility engineer, product inventory is updated daily and there have been no leak or spill incidents. The tank was precision-tested following installation.

The area surrounding the bulk petroleum underground storage tank was relatively free of discoloration. Minor spillage, likely occurring during the course of filling the tank, was evident. The stained area was restricted to immediately around the fill pipe, and is not considered an indication of soil contamination.

Property

The property surrounding the building is comprised of a portion which is developed as parking and landscaping for the building, and a portion which is currently undeveloped. Both areas were physically inspected.

There was no indication of site contamination in the developed portion of the property. There was no surface staining in the parking area or the landscaped portion of the property. Drainage culverts did not appear to be stained, and the storm water detention area was generally free of foreign material (small amounts of leaves and other natural debris were present in the upper portion of the water detention area). Standing water in the lower portion of the detention area appeared to be slightly murky but was not discolored in any way. Further, there was no evidence of a sheen or oily film on this water.

At the extreme southeastern portion of the parking lot was a small landscaping debris area. The debris consisted of discarded plants, grass clippings, wooden baskets, and a few empty one to five gallon oil cans. There was no surface staining evident in this area. Slight turbidity of the standing water is likely the result of a sand pile present up-gradient of the water.

There was no evidence of contamination in the undeveloped portion of the site. This portion of the property is generally well-vegetated with mature hardwoods, indicative of an area undisturbed for a long period of time. The understory on the site appeared healthy, and consistent with the surrounding woodlands. There were no indications of vegetative stress in the trees or the understory, particularly in low-lying areas.

There is a sizable wet area in the northern portion of the property, immediately east of the parking area. This water was free of foreign material, and there was no evidence of water discoloration or sheens.

There is an elongate topographic high, or berm, immediately east of the south parking lot. This berm extends from the southeastern corner of the parking area to the beginning of the waterfall. White pines have been planted at regular intervals along its length. Vegetation along the berm is thick and healthy.

There was no evidence that material had been buried or disposed of in the undeveloped portion of the property. No berms, sinkholes, trenches or other evidence of buried material were identified. Further, there was no evidence of access roads or paths entering the undeveloped portion of the property, with the exception of the above mentioned construction road.

Prior reports on the property identified a berm located in the south-central portion of the property (see GZA report, Appendix B) and a "spoil area (misc. debris)" (EIS on 500 Mamaroneck Avenue, map on page C-2).

Those two areas are located entirely within the area disturbed during site development. It is assumed that a substantial amount of soil from the spoil area was removed from the site. The elevation of the current parking area is approximately 12-16 feet lower than the spoil areas, as estimated from a comparison of a map of 1983 site conditions and proposed site plan drawing.

Soil Samples

Two soil samples were collected from the site for laboratory analysis. The locations of these samples, S-1 and S-2, are shown on the Sample Location Map. Each sample was analyzed for cadmium, chromium and lead. The results of the analysis are summarized below:

Test	Sample S-1	Sample S-2
Cadmium	<1.41	<1.56
Chromium	65.4	41.7
Lead	136	77.6

* concentrations are mg/kg

Although each sample showed slightly elevated levels of the three metals, neither sample location exhibited high concentrations indicative of incinerator residue. Higher than normal metal concentrations are to be expected in industrial/urban settings. Analytical results are included in Appendix A.

Water Sample

One water sample (W-1) was analyzed from the single on-site well. The sample was collected from a tap near the wellhead and analyzed for volatile organic compounds (VOCs) according to EPA Method 602. No VOCs were detected. Analytical results are included in Appendix A.

4.0 Conclusions and Recommendations

Based on the records review, site inspection, and soil and groundwater analysis, no evidence of soil or groundwater contamination has been identified on the subject property. Although municipal waste was handled and incinerated at the site for several years, there appear to be no residual contaminants in the soil or water as a result of this activity. Large amounts of soil were reportedly removed from the site during development of the present office complex.

No potential areas of environmental concern were identified as a result of this study, and no additional investigations are recommended.

5.0 Sources of Information

Documents

Aerial photographs dated 1947, 1954, 1960, 1980, and 1986, various scales and resolution. Available at Westchester County Department of Planning, White Plains, NY. 1971 aerial photograph from Town of Harrison Building Department.

Environmental Impact Statement for 500 Mamaroneck Avenue, November, 1983. Prepared by J. Michael Divney Associates.

Environmental Risk Ltd., 1988, Site inspection report provided to Schulman Realty, Co., 9 p.

Goldberg, Zoino & Assoc., 1986, Environmental Assessment Report provided to Schulman Management Corporation, 5 p.

Inactive Hazardous Waste Disposal Sites in New York State, April, 1989, New York State Department of Environmental Conservation (NPL Reference).

Personal Communications

Monteiro, James. Town of Harrison Building and Maintenance Department.

APPENDIX A: LABORATORY ANALYTICAL RESULTS

CHEMTECH
CONSULTING GROUP, INC. 380 West 11th Street / New York, New York 10014 (212) 255-2100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Mehta
Laboratory Manager

JUL 7'97 19:20 FR BNS 212 225 5166 212 225 5166 TO 98468300 P.13/44

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
367 VIOLET AVENUE
POUGHKEEPSIE, N.Y. 12601
(914) 473-9200

CHAIN OF CUSTODY

CLIENT Henry M. Celestino
Bill: Corporate Vice President
Schulman Realty Group

925 Westchester Avenue
White Plains, NY
10604-3583

SAMPLER L. Gamble, U.S. Hydrogeologic,

SAMPLE NO./ID	LOCATION/CONTAINER	DATE	TIME	SAMPLE TYPE	COMP	GRAB	No. of CONT.	ANALYSIS REQUIRED
W-1	well sample	10-12	1315	WATER ~~Soil~~		X	1	BTX (602)
S-1	surface, pond area	10-12	1330	SOIL		X	1	Cd, Cr, Pb
S-2	surface, low area	10-12	1350	SOIL		X	1	Cd, Cr, Pb

Relinquished by:	Received by:	Date	Time
Lloyd Gamble			

Relinquished:	Received by:	Date	Time

Dispatched by:	Date	Time	Received for Laboratory by:	Date	Time
			Kathy Sullivan	10/12	5:05 pm

Method of Shipment:

Comments: W-1 analyze for BTX (602) - large container unpreserved

1-week turnaround for W-1

CAMO Containers

APPENDIX B: PREVIOUS ENVIRONMENTAL REPORTS

ENVIRONMENTAL RISK LIMITED
120 Mountain Avenue Bloomfield, CT 06002 (203) 242-9933

April 11, 1988

Mr. Michael Curran
Schulman Realty Co.
925 Westchester Avenue
White Plains, NY 10604

RE: Schulman Realty Property, 500 Mamaroneck Avenue, Harrison, NY
ERL Project No. 7920-C85-88

Dear Mike:

Pursuant to your request, Environmental Risk Limited (ERL) has conducted a site inspection and limited environmental sampling as an update to the May 30, 1986 environmental assessment of the above referenced location prepared by Goldberg Zoino Associates of New York, PC (GZA).

The scope of ERL's assessment update included a review of the May, 1986 GZA environmental assessment, a site inspection by an ERL environmental scientist and the sampling and analysis of groundwater from an existing, on site bedrock well. A copy of the May, 1986 GZA report has been included as Attachment I.

On March 29, 1988, Gary Iadorola of ERL visited the subject property to observe site conditions and collect environmental samples. Observations from the site visit follow.

The property development is essentially the same as that reported by GZA in 1986, with the major exception being that construction of the building is complete. In summary, approximately ten acres of the site is developed into an office building with a 55,000 square foot footprint. The building is currently vacant, and there are no manufacturing or other commercial establishments observed on this property that generate any known hazardous wastes. In consideration of the proposed building use as office space, the only wastes that may be generated are those associated with operation and maintenance of an office facility. Surrounding the building on three sides are paved parking areas. Mamaroneck Avenue borders the front of the building to the west. The developed, ten acre parcel is surrounded on three sides by approximately 24 acres of undeveloped wooded open space and wetland.

The building is serviced by city water and sewers. The heat source is supplied by an on site boiler. Number two heating fuel used for the boiler is stored on site in a buried, 20,000-gallon steel tank. This tank was reported by Schulman Management to have been installed during 1986 with a protective coating and cathodic protection. It is generally recommended that this tank be integrity tested at least every five years.

The property was reported by GZA and Schulman personnel to be the former location of the Town incinerator and waste transfer station. It was further reported by GZA that during construction, most debris associated with the former incinerator and transfer station was removed as part of the construction site development. A soil berm at the south end of the parking area was identified as the only area that contained debris that may have been associated with the former incinerator and transfer station (e.g., glass, metal, plastic, and slag). Two samples of these soils were collected by GZA and analyzed for the E.P. Toxic heavy metals. The results of the analysis were reported to be an order of magnitude lower than the hazardous concentrations. Hard copies of the past laboratory analysis were not included in the GZA report.

ERL also reviewed the site in regards to the need, feasibility, and/or the practicality to install groundwater monitoring wells at this property.

During construction, the original grade was lowered by approximately eighteen feet, with an estimated 330,000 cubic yards of soil and rock removed from the site. As a result of this extensive site work, the building and the majority of the developed area are underlain by bedrock with little or no soil mantle. Therefore, if monitoring wells were installed, they would be installed into bedrock.

Through discussions with Schulman personnel, ERL learned that a bedrock production well exists near the center of the site downslope of the former incinerator. The primary purpose of the well is to supply water to an on-site waterfall. This well provides an ideal point to access groundwater in the bedrock under the site. Because the well is and has been under pumping conditions (approximately ten GPM), it is probable that the groundwater obtained is from a larger area than groundwater that may have been obtained by monitoring a static monitoring well.

On March 29, 1988, ERL obtained a groundwater sample from the on site production well. The sample was submitted to Connecticut Testing Laboratories of Meriden, Connecticut for analysis. The analysis included the EPA Method 601 and 602 volatile organic compounds (characteristic of petroleum hydrocarbons and chlorinated solvents), the E.P. Toxic metals, and cyanide. The results of these analysis show none of the analyzed compounds were found above the laboratory detection limits. Subsequently, the analyzed parameters meet currently established USEPA action limits and standards for drinking water quality. Copies of the laboratory analysis are included in Attachment II.

The results of the groundwater analysis provide further confidence to the May, 1986 conclusion made by GZA that there is no on-site indication of the presence of hazardous materials or oils in the environment at the 500 Mamaroneck Avenue site. Furthermore, based upon the past and recent history of the site and the environmental data collected to date, additional groundwater monitoring at this site does not appear warranted.

If you have any questions concerning this matter, please call me or Gary Iadorola at (203) 242-9933.

Very truly yours,

ENVIRONMENTAL RISK LIMITED

Frederick W. Johnson
Senior Associate

FWJ/dc
Attachments (2)
cc: H. Guy Liebler, Schulman

Attachment II

Laboratory Analysis of Groundwater
Samples Collected March 29, 1988

WATER

SOIL

AIR

April 7, 1988

Environmental Risk LTD.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-305-1
P.O. No. 7920
Inv. No. 3228

Dear Mr. Johnson:

The following is a report of analysis on samples received March 29, 1988.

	WP-1
Arsenic - mg/l	ND<0.05
Barium - mg/l	ND<0.5
Cadmium - mg/l	ND<0.01
Chromium, Total - mg/l	ND<0.05
Lead - mg/l	ND<0.05
Mercury - mg/l	ND<0.002
Selenium - mg/l	ND<0.01
Silver - mg/l	ND<0.01
Cyanide, Total - mg/l	ND<0.05

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:hc

STEPHEN J. FRANCO
Laboratory Director

CERTIFICATION
PH-0547

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

Environmental Risk LTd.
Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200
Page 3
March 31, 1988

EPA METHOD 602/8020/8015-ppb

	WP-1			
Benzene				
Toluene				
Ethyl Benzene				
P-Xylene				
M-Xylene				
O-Xylene				
1,4-Dichlorobenzene				
1,3-Dichlorobenzene				
1,2-Dichorobenzene				
Methyl Ethyl Ketone*				
Methyl Isobutyl Ketone*				
Acrylamide*	---			
Carbon Disulfide*	---			
Diethyl Ether*	---			
Paraldehyde*	---			

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb.

*The minimum detectable level for these (*) parameters was 50 ppb.

EPA METHOD 601/8010-ppb

		WP-1		
Chloromethane				
Bromomethane				
Vinylchloride *				
Chloroethane *				
Methylenechloride				
Trichlorofluoromethane				
11-Dichloroethylene				
11-Dichloroethane				
T12-Dichloroethylene				
Chloroform				
12-Dichloroethane				
111-Trichloroethane				
Carbontetrachloride				
Bromodichloromethane				
12-Dichloropropane				
T13-Dichloropropylene				
Trichloroethylene				
Dibromochloromethane				
112-Trichloroethane				
Cis13-Dichloropropylene				
2-Chlorethylvinylether *				
Bromoform				
1122-Tetrachloroethane				
Tetrachloroethylene				
Chlorobenzene				
Benzyl Chloride				
Bis (2-chloroethoxy)methane *				
Bis(2-chloroisopropyl)ether *				
Bromobenzene				
Chloracetaldehyde *				
1-Chlorohexane				
Chloromethyl methyl ether *				
Chlorotoluene				
Dibromomethane				
12-Dichlorobenzene				
13-Dichlorobenzene				
14-Dichlorobenzene				
Trichloropropane				

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb .

*The minimum detectable level for these (*) parameters was 10 ppb .

WATER

SOIL

AIR

March 31, 1988

Environmental Risk LTd.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200

Dear Mr. Johnson:

The attached report are results of analysis for samples received March 29, 1988.

The samples were analyzed by Gas Chromatography and results are reported in ppb.

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

STEPHEN J. FRANCO
Laboratory Director

CERTIFICATION
PH-0547

SJF:hc

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

CKL

CHAIN OF CUSTODY RECORD

Place & Address Of Collection: White Plains, N.Y.

Samplers Name (Signature): Gary Sadarola

Assistant (Witness) (Signature):

Job Number: 7920

Sample Number	Sample Location	Type Container	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
WP-1	2	Glass	40 ml	No	3-29-88	1230 PM	✓				
WP-1	1	Plastic	1 qt.	No	"	"	✓				
WP-1	1	Plastic	1 qt	Sodium Hydroxide	"	"	✓				

Relinquished By (Signature)	Received By (Signature)	Date	Time
Gary Sadarola	S Fraser	3-29-88	2:45 PM
Relinquished By (Signature)	Received By (Signature)	Date	Time
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address Of Laboratory:

ANALYSIS REQUIRED

SAMPLE IDENTIFICATION ☒

Parameters	Sample Number	Parameters	Sample Number: WP-1
Al		NO_2-N	
As		(Ortho) PO_4-P	
Ba		(Total) PO_4-P	
Ca		Oil & Grease	
Cd		Phenols	
Cr^{+6}		CN^--A	
Cr-T		CN^--T	✓
Cu		TKN	
Fe-D		Organic-N	
Fe-T		TOC	
Pb		pH	
Mg		STD Water	
Mn-D		Fecal Coliform	
Mn-T		Fecal Streg.	
Na		Total Coliform	
Hg		Flouride	
Ni		Chloride	
Ag		8010	✓
Se		8020	✓
V		8080	
Zn		8015	
TSS		TOX	
TDS		EP-TOX-Metals	✓
TS			
Sp Cond.			
NO_3-N			
Remarks			

CHEMTECH
CONSULTING GROUP, INC.
350 West 11th Street / New York, New York 10014 (212) 255-9100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Mehta
Laboratory Manager

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

GZA OF NEW YORK P.C.
GOLDBERG-ZOINO ASSOCIATES OF NEW YORK P.C.
GEOTECHNICAL-GEOENVIRONMENTAL CONSULTANTS

JAMES H. REYNOLDS, GENERAL MANAGER
SUITE 1000 RAND BUILDING
BUFFALO, NY 14203
716/855/8960

EDWARD T. GOLDBERG
WILLIAM S. ZOINO
JOSEPH S. SUSTIN, JR.
JOHN E. JONES
MATTHEW J. GARRAHAN
WILLIAM A. BRUCE
NICHOLAS A. DIMINGO, JR.
BARRY A. GERARD
LAWRENCE TEDESCO
JEFFREY A. JONES
ROBERT A. HELLER
JOHN T. MCCLUNAHAN
MICHAEL A. GIAMPIE
JAMES P. NICHOLLS
PAUL V. BARRON
RICHARD M. BARON
STEVEN J. TRETTEL
CONSULTANTS
WALTER C. JOHNSTON, JR.
STANLEY M. SEVIGNY

May 30, 1986
File No. H-6437 A

REPLY TO: ROBERT A. HELLER
DISTRICT MANAGER
581 LAFAYETTE BLVD.
BRIDGEPORT, CT 06604
203/334-6593

Schulman Management Corporation
925 Westchester Avenue
White Plains NY

Attn: Mr. Mike Curran

Gentlemen:

Per the request of Schulman Management Corporation, Goldberg-Zoino & Associates Inc., (GZA/Heller) has performed a site visit at a 34 acre piece of property at 500 Mamaroneck Avenue in Harrison, NY. The purpose of our site visit was to observe the site for evidence of the presence of oil or hazardous material in the environment at the site.

The subsequent sections of this letter contain GZA/Heller's observations at the site.

Field Visit

On May 15, 1986 Mr. David Greene of GZA/Heller met with Mr. Mike Curran of Schulman Management Corporation to observe site conditions and discuss site history with respect to land use and hazardous materials and oil. Observations from that site visit follow.

A site plan is attached for reference.

An office building with a footprint of 55,000± square feet is currently under construction at the site. Associated parking areas are also in the process of development.

Approximately 10± acres of the site are developed or in the process of development. The remaining 24± acres primarily on the east side of the property were observed to be undisturbed woodlands, marshy areas or are planned for open space.

According to Mr. Curran, the site was formerly the town incinerator/waste transfer station. The incinerator was apparently located where the office building is being constructed.

Based on visual observation and conversation with Mr. Curran all soil and large volumes of bedrock have been removed from the building area and adjacent future parking areas. The land surface has apparently been lowered by approximately eighteen feet and it is our understanding that 330,000± cubic yards of soil and rock have been removed.

According to personnel of DeLaurentis Excavating there was debris on the site prior to site development. Debris reportedly consisted of scrap metal, old cars and other non-burnable material from operation of the incinerator. Apparently the majority of this material was removed prior to the start of excavation. No evidence of significant deposits of any debris or residue from the incinerators were observed.

The only potential evidence of past site usage as an incinerator/transfer station was seen in the soils used to construct a ±150 ft. x 12 ft. x 10 foot berm on the southeast corner of the site. This soil consists of a grey silt with fragments of glass, metal, slag, ash and small amounts of plastic. Two soil samples were obtained from this berm area and were made into a single composite for the analysis of priority pollutant metals by EP toxicity methods. Samples were taken to confirm that contamination of these soils has not occured. Verbal results of the laboratory analysis indicate that the composite soil sample did not exhibit the characteristics of hazardous soils using EP Toxicity Methods. All metal results were at least an order of magnitude below relevant standards.

Summary and Conclusions

A limited environment assessment was conducted at 500 Mamaroneck Avenue in Harrison, New York. The assessment included a site visit and analysis of one composite soil sample for priority pollutant metals (results pending). No background research or subsurface explorations were performed. Based on studies conducted and observation made as part of the present assessment, it is GZA's opinion that there is no on-site indication of the presence of hazardous materials or oils in the environment at the site.

The laboratory report will be forwarded upon receipt by GZA/Heller.

Limitation

This report is subject to the attached limitations.

This study and report have been prepared on behalf of and for the exclusive use of our client solely for use in an environmental evaluation of the site. This report and the findings contained herein shall not, in whole or part, be disseminated or conveyed to any other party, nor used by any other party, without the prior written consent of GZA/Heller. However, GZA/Heller acknowledges and agrees that the report and attached Statement of Terms and Conditions may be conveyed to potential tenants associated with the site.

GZA

The report has been prepared in accordance with the Statement of Terms and Conditions set forth in the following section. No other warranty, expressed or implied, is made.

We trust the report presented herein satisfies your current requirements. The undersigned will be contacting you in several days to discuss any questions you may have. We have appreciated the opportunity to work with you on this project.

Very truly yours,

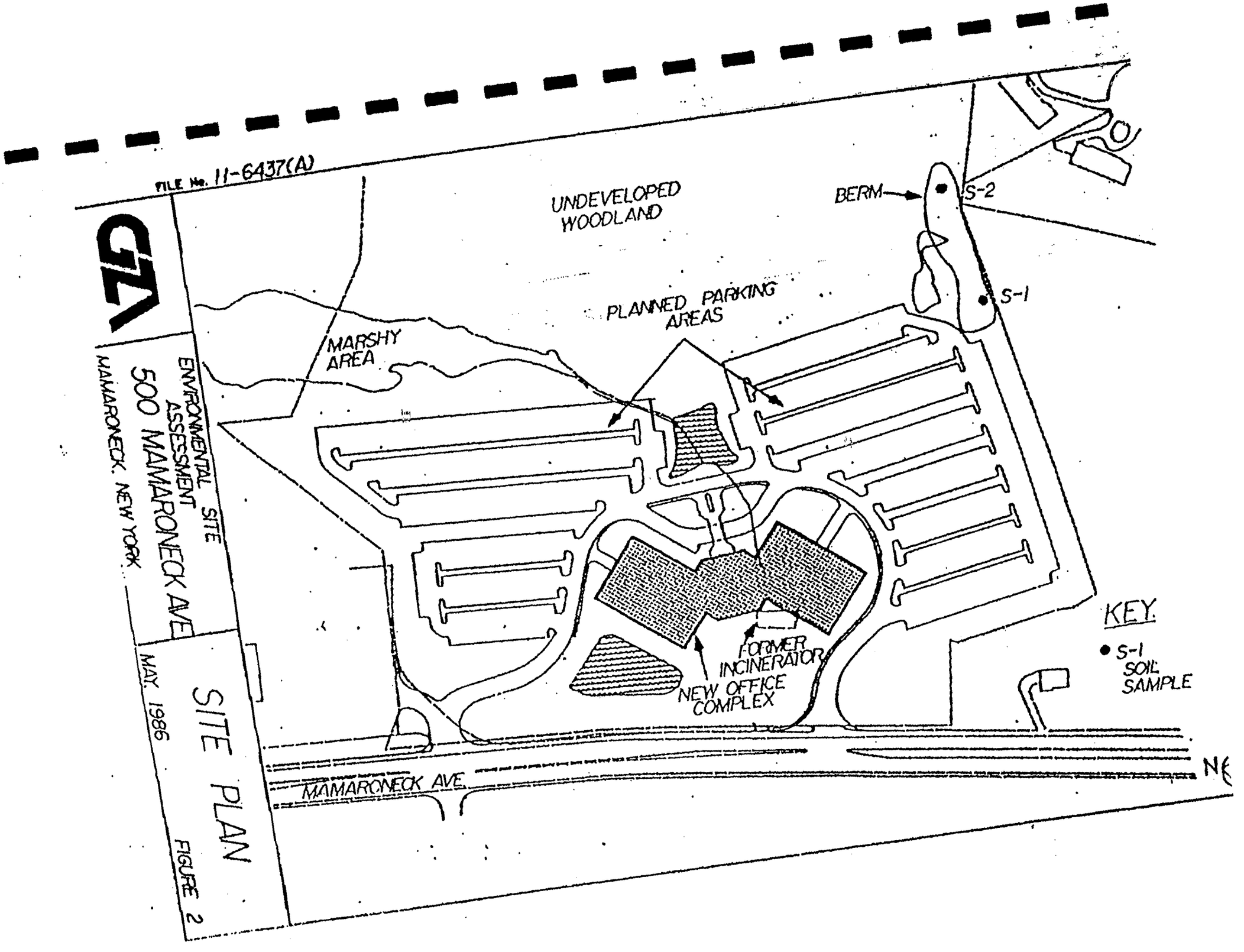
GOLDBERG - ZOINO & ASSOCIATES

Kathleen A. Cyr, P.E.
Senior Project Manager

Robert A. Heller, P.E.
Associate-in-Charge

KAC,RAH/gia

GZA


FILE No. 11-6437(A)
GZA
ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVE
MAMARONECK, NEW YORK
SITE PLAN
MAY, 1986
FIGURE 2
UNDEVELOPED WOODLAND
BERM
S-2
S-1
PLANNED PARKING AREAS
MARSHY AREA
FORMER INCINERATOR
NEW OFFICE COMPLEX
MAMARONECK AVE.
KEY
S-1 SOIL SAMPLE

APPENDIX A

LIMITATIONS

1. The observations described in this Report were made under the conditions stated therein. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the attached Statement of Terms and Conditions.

2. In preparing this Report, GZA has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to GZA at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. Observations were made of the site and of structures on the site as indicated within the Report. Where access to portions of the site or to structures on the site was unavailable or limited, GZA renders no opinion as to the presence of hazardous material or oil, or to the presence of indirect evidence relating to structure. In addition, GZA renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.

4. Unless otherwise specified in the Report, GZA did not perform testing or analyses to determine the presence or concentration of asbestos or polycholorinated biphenyls (PCB's) at the site or in the environment at the site.

5. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material or oil, as defined in Connecticut General Statutes Section 22a-452. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

GZA

B

APPENDIX B

Field Notes

Tu/5/12/98 [illegible]
500 Mamaroneck Ave, Harri

ERM/ADT onsite @ 0800

* Soil Boring Scope:

Due to the presence of shallow bedrock plan to make 2 attempts for a visible soil boring at each previously selected area. If unable to penetrate past 2' bls, will move to next location.

Calibrated Photovac PID using 100ppm isobutylene standard. Measurement 100ppm = 100ppm

GP-1

attempt ① Drill rod encountered refusal @ 1' bls

attempt ② Drill rod encountered refusal @ 1' bls

attempt ③ A 0-4' Rec 80% PID 10.2 Time 1026
Fine to Med Sand, Gravel, Med Brown
Odorless

B 4.0-7.5' Rec 90% PID 0 Time 1042
Silty Sand & Gravel. Med/Dark Brown
Odorless Silt = 30% of matrix
Note: Hit void in borehole from 6.5-7'
Refusal @ 7.5 bls.

TO 5/12/98 Cuddy Feder Worby / Harrison
1262.002

GP-3

attempt ① Refusal @ 4" bls
attempt ② " @ 12" bls
attempt ③ " @ 9" bls
attempt ④ " @ 15" bls
attempt ⑤ " @ 22" bls Sample Taken

A 0-1.75' Rec 80% PID 0.2 ppm Time 1113
Same description as GP-1 (0-4') except they are 2 layers of sandy clay (moderate plasticity, med brn)
Refusal @ 22" bls

GP-2

attempt ① Refusal @ 24" (2.0')
attempt ② Refusal @ 27" (2.25') Sample Taken
A 0-2.25' PID-0.3 ppm Rec 80% Time 1124
Silt w/ Gravel (10%); Med/Dark brown
Odorless

10/5/12/98 Cudoly, Feder, Worley / Harrison

GP-4

attempt ① Refusal @ 2.2' bls

attempt ② Refusal @ 2.25 bls

Ⓐ 0-2.25' Rec 90% PID 0.0 ppm Time 1148

Silty (15%) Sand (70%) w Gravel (15%), Med/Dark brown, Odorless

- Refusal @ 2.25 bls

GP-5 A 0-3.5' Rec 90% PID 0.0 ppm Time 1237

~~attempt ①~~ Sand w/ Gravel; color and texture ~~attempt ②~~ appear to be similar to pulverized bedrock, color white + gray components.

This sample from the "sports" area

B 3.5-6.5 Rec 80% PID 0.0 ppm Time 1238

Same description as A (0-3.5'); White components are granular + there is an increase % of fine, powder-like material; Refusal @ 6.5' BLS

GP-6

attempt ① Refusal @ 11"

" ② " @ 6"

" ③ " @ 10"

A 0-1' BLS Rec 60% PID 0.0 ppm Time 1306

TC/5/12/98 Cuddy, Feder, Worby/Harrison

GP-6A (continued)

Fine to Coarse Sand & Gravel. Gravel comprises 30% of soil matrix. Med brown. Refusal @ 1' BLS

GP-7

attempt ① Refusal @ 13"

" ② " @ 13"

attempt ③ Refusal @ 27" (2.25' bls)

A 0.25 - 2.25' Rec 90% PID 0.0 ppm Time 1419

Silty Sand w/ Gravel (30%). Med Brown. Odorless. Refusal @ 2.5' bls

GP-8 (location chosen because of red staining where GW unf. axis

A 0-3': Rec 60% PID 0.0 ppm Time 1426

Moist; Silty Sand w/ Gravel, sand components are fine to V. fine grained & comprise 80% of soil matrix; med/dark brown; odorless;

B 3-6' Rec 40-50% PID - 0.0 ppm Time 1435

Top 9" Wet Sand w/ Gravel, sand is med. to coarse grained; Gravel is angular to 1" diam & comprises 3-40% of matrix. Color, black & white

TU 5/12/98 Cuddy, Fedor, Worby / Harrison

GP-8B (3-6' bls) - Bottom 9" Wet Clay - moderate plasticity medium brown; slight odor of sewage or organic decay.

C 6-8' Rec 50% PID - 0.0ppm Time 1447
Top 8" same description as 8B (Top 9")
Bot 4" same description as 8B (Bot 9")
Refusal @ 8' bls

GP-9

A 0-3' Rec 50% PID - 0.0ppm Time 1514
Same description as GP-7A

B 3-5.5' Rec 50% PID 0.0ppm Time 1531
Same description as GP-7A
Refusal @ 5.5' bls

GP-10

A 0-3' Rec 80% PID 0.0ppm Time 1549
Same description as GP-7A

B - 3-6' Rec 30% PID 0.0ppm Time 1605
Same description as GP-7A except soil matrix was moist.
Refusal @ 6' BLS

TU 5/12/98 Cuddy, Feder, Worby / Harrison

GP-11

A 0-3' Rec 60% PID 0.0 ppm Time 1623
Same description as GP-7A except:
① soil matrix is moist
② 30% of matrix is composed of unnatural material such as shard of glass & tile, wood chips, wood cinders, etc.

B 3-6' Rec 60% PID- 0.0ppm Time 1631
Same description as A(0-3' BLS) interval except interval 3-6' BLS also contains plastic and wire strands/metal scraps

C 6-10' Rec 30% PID-0.0ppm Time 1638
Wet Same description as interval B of this sample

NO REFUSAL @ 12' BLS

GP-12

A 0-3' Rec 70% PID.-0.0ppm Time 1653
Same description as GP-11 A(0-3) except 5-10% unnatural materials

B) 3-6' Rec 60% PID ppm Time 1658
Same description as GP-12 A(0-3') except soil matrix is moist.

10/5/12/98 Cuddy, Feder, Worby / Harrison

GP-12 C (6-7' BLS) Rec 20% PID 0.0ppm Time 17:
Moist, Silty Sand w/ Gravel.
Gravel comprises 40% of soil matr
Odor - ~~Oil~~ Unknown / unidentifiable
Wood fragments comprised 20%
of matrix

GP-13
A (0-3') Rec % PID 0.0ppm Time 1717
Same description as GP-12C
except dry.

B (3-6') VOID ENCOUNTERED
- No Recovery

C (6-7') - Rec 100% Wet PID 0.0ppm Time 1723
Top 6" ~~Moist~~ Sandy clay, sand med grained
High plasticity, ~~light~~ brown
Bot 6" Moist. Fine to coarse Sand
with gravel. Color med brown
and dk brown / black; Gravel
comprises 30% of matrix

10/5/12/98 Cuddy, Feder, Worby/Harrison

GP-14

attempt ① Refusal @ 1' BLS

attempt ② Refusal @ 3' BLS

A (0-3') Rec 50% PID - 0.0ppm & Time 1754

Same description as GP-13C (6-7')

Bot 6" except that soil color is med brown & soil matrix is relatively dry.

GP-15A Rec 60% PID 0.0ppm Time 1809

attempt ① Refusal @ 2' BLS

attempt ② Refusal @ 2' BLS

Same description as GP-14

- All boreholes were abandoned by backfilling using #2 Gravel pack to 6" bls followed by 3 to 4" of bentonite chips and surfaced with asphalt cold patch

- Due to the unusual virtually complete absence of VOCs, the PID was periodically tested through the day to ensure that it was continuing to operate properly

- ADT offsite @ 1900
- ERM offsite @ 2015 / FedEx NY @ 2100 / Office 2225 hrs

Tu/5/26/98 500 Mamaroneck Ave Assoc/Harrison.

ERM started @ 0630 hrs/on-site at 0800

ADT on-site @ 0800 w/ Truck mounted GeoProbe.

Discussed work scope w/ ADT and toured drilling areas. Due to extremely heavy precipitation during previous couple of days the drilling areas in front of the building are relatively soggy. As such will start @ GP-16 to allow for further drying time at other areas

Contacted John Stillgebauer who indicated all was in order relative to Certificate of Insurance for ADT.

Set up @ GP-16.

Joe Thomas came to drilling area to discuss work scope. Indicated that he did not want GeoProbe Truck to drive over any underground utilities in front of the building.

Tu/5/26/98 500 Mamaroneck Ave Assoc / Harrison
-1454.001

I indicated that the GeoProbe truck would likely not be able to ascend the slope up to the ~~well~~ boring location with the most conditions at present, and that the specific lines he is concerned with, ~~are~~ water (sewer are likely 4' BLS (to be below the frostline) and 12' BLS (based on observation of the discharge trap). Never-the-less, he requested that we do not cross the building frontage.

Contact Greg Shpuda to discuss. Decided to remob on a different day with manual equipment - Tripod + Split barrel samplers. Arranged.

Though Joe Thomas considers this to be a failure on the Underground Utility Locating Service, because they did not markout the entire utility runs. I indicated that their work scope was limited to check individual locations only.

To maximize costs, decided to take samples at the 3 location where Joe Thomas has no concerns (GP-1, 20, 2)

Tue/5/26/98 500 Mamaroneck Ave, Harrison
- 1454.001

GP-16A
attempt 1 Refusal @ 26" BLS Time 0937
attempt 2 Refusal @ 19" BLS Time 0959
attempt 3 Refusal @ 22" BLS Time 1016
attempt 4 Refusal @ 22" BLS Time 1107
A(0.25 - 2.0) Rec 100% PID 0.0 ppm Time 0937
Sandy Silt with Trace Gravel; Sand components are fine to med grained. Gravel is subrounded, Color - dark brown. Matrix contain approx 5-10% wood splinters

GP-21A(0 - 3') Rec 80% PID 0.0 ppm Time 1153
Silty Sand with little Gravel. Gravel is subrounded to subangular & ranges to 2.5cm; Dark brown; Sand components are fine (60%), med (20%) ~~grained~~ & coarse (10%).

GP-21B(3-7') Rec 60% PID 0.1 ppm Time 1159
Silty Sand with little Gravel; Sand component is med grained; Gravel is subrounded & ranges to 1.5 cm in size; Color - med/drk brown; Soil matrix is dryer than previous interval.

Tu/5/26/98

500 Mamaroneck Ave Assoc / Harrison

GP-21C (7-10') Rec 95% PID 0 ppm Time 1207
Soil description is the same as GP-21B (3-7' BLS)

Mob to GP-20. Due to a visual change in landscaping requested Joe Thomas confirm that boring location was actually part of the subject property. He indicated that it was in an easement area, but to proceed w/ drilling

GP-20A (0-3') Rec 80% PID 0.1 Time 1250
Silty Sand with ~~little~~ some Gravel; Sand component are very fine (50%) to medium grained (20%). Gravel is subrounded to angular and ranges to 2.0 cm in size; Color - Dark brown. Soil matrix is moist.

GP-20B (3-5.5') Rec % PID 0 ppm Time 1305
Soil description is the same as previous interval for this drilling location (GP-20A (0-3' BLS)

ADT decontaminated downhole tool & began breakdown of drilling equipment

Tu/5/26/98 500 Mamaroneck Ave Assoc./Harrison
-1454.001

ERM & ADT offsite @ 1340 hrs

All samples collected have been preserved with ice and will be retained until remaining 3 borings can be completed. At that time samples will be forwarded to Brent Mongillo for PCB immunoassay testing

Returned to office @ 1510 hrs.

W/5/27/98 500 Mamaroneck Ave Assoc / Harrison

GP-17A (0-2' BLS) BC 3,3,4,5 Rec 60% PID ppm Time 1256
Top 8" Same description as GP-19B (2-4')
Bottom 8" Same description as GP-19 (4-6') Bot 7"

GP-17 B (2-4' BLS) BC 5,6,7,9 Rec 60% PID ppm Time 1304
Top 6" Moist Silt, Compact, Color - Med brown odorless,
Bottom 9" Dry Silty ~~Sand~~ w/ ~~Sm~~ little gravel; ~~Same~~ description as GP-19C (Bot 7")

GP-17C (4-6' BLS) BC 4,5,5,6 Rec 20% PID ppm Time 1316
Sandy Silt w/ Some Gravel; Sand components compose 5% of soil matrix and are fine to med grained; Gravel is angular to subangular and ranges to 3 cm; Color - Med/Dark brown.

GP-17D (6-8' BLS) BC 12,11,10,9 Rec 20% PID ppm Time 1324
Same description as GP-17C

GP-17E (8-10' BLS) BC 7,10,10,10 Rec 15% PID ppm Time 1330
Same description as GP-17C
Refusal @ 9.0' BLS

Sample ID GP-17 A/B (0-3' BLS) @ 1304
GP-17 B/C (3-6' BLS) @ 1316
GP-17 D,E (6-10' BLS) @ 1330

w/5/27/98 500 Mamaroneck Ave Assoc. / Harrison, NY

GP-18A (0-2' BLS) BC 3,6,6,8 Rec 60 % PID ppm Time 1144
Same description as GP-19A except soil matrix is very dry.

GP-18-B (2-4' BLS) BC 7,8,8,12 Rec % PID ppm Time 1152
Top 8" Same description as GP-18A (0-2')
Bot 8" Very Fine Sand w/ little Gravel; Gravel is subrounded to angular and ranges to 2.5 cm; Color light med brown, Odorless.

GP-18C (4-6' BLS) BC 3,3,2,2 Rec 40 % PID ppm Time 1159
Top 6" Same description as GP-18B (2-4' BLS) Bot 8"
Bottom 8" Same description as GP-18B (2-4' BLS) Bot 8" except Color is dark brown

GP-18 D (6-8' BLS) BC 8,8,7,6 Rec 40% PID ppm Time 1210
Very Fine sand w/ some Gravel; same description as GP-18C (Bottom 8) except for gravel content.

GP-18 E (8-10' BLS) BC 6,8,9,10 % Rec 50% PID ppm Time 1223
Same description as GP-19 D (6-8' BLS)

Sample ID : GP-18 A/B (0-3' BLS) @ 1152
GP-18 B/C (3-6' BLS) @ 1159
GP-18 D,E (6-10' BLS) @ 1223

wp/27/98 500 Mamaroneck Assoc / Harrison

GP-19A (0-2') BC 2,2,2,2 Rec 60% PID 0 ppm Time 1005
Silt with little Gravel; Gravel is angular to subangular; Color - Med/Drk brown; Odorless; Soil matrix is moist

GP-19B (2-4' BLS) BC 6,7,7,7 Rec 30% PID 0 Time 1008
Moist Clayey Silt with Gravel; ~~Trace Clay~~ Trace Clay; little Gravel; Gravel is subangular to angular & ranges to 2cm in size; Color: Drk brown; Odorless

GP-19C (4-6' BLS) BC 7,7,8,11 Rec 50% PID 0 ppm Time 1015
Top 5" same description as 19B
Bot 7" Silt w/ little Gravel and Rock fragment; Gravel content is subrounded to angular; Rock fragment due to cobble pulverized by the sampler; Med/Drk brown; Odorless

GP-19D (6-8' BLS) BC 30,11,7,6 Rec 10% PID — ppm Time 1026
Fine to little Coarse sand w/ little Gravel and Rock Fragments; Rock Fragments due to pulverized by sampler; Color - Grayish brown; Odorless; Matrix very dry

w/5/27/98 500 Mamaroneck Assoc / Harrison

GP-19E (8-10' BLS) BC 10,7,10 Rec 10% PID - ppm Time 1038
Medium to Coarse Sand w little Gravel.
Sand primarily medium grain sized (75%).
Gravel is subrounded to angular and
ranges to 1.5 cm; Color: med brown;
Odorless.

Note: due to the mixed recoveries of
the 19C & D intervals, an addition sample
was collected from 10-12' BLS to provide
sufficient sample volume to accommodate
the entire suite of analyses

GP-19F (10-12' BLS) BC 6,8,8,9 Rec 20% PID 0 ppm Time 1109
Wet. Clayey Silt with some Gravel. Gravel
is subrounded to subangular & ranges to
1.5 cm. Clay comprises 5-10% of wet matrix;
Color Med dark brown; Odorless
Sample interval contains glass & metal shards

Sample ID	Time
GP-19 A/B (0-3' BLS)	1008
GP-19 B/C (3-6' BLS)	1026
GP-19 D/E/F (6-12 BLS)	1109

w/5/27/98 500 Mamaroneck Ave Assoc/Harrison

ADT broke down + left loaded equipment to vehicle. / Offsite @ 1400 hrs

ERM offsite @ 1440 hrs/
FedEx - Westbury @ 1615 hrs.
Office @ 1640 hrs.

Report. V00213. 2000-04-01.
site assessment

FILE COPY

ENVIRONMENTAL RESOURCES MANAGEMENT

FINAL INVESTIGATION SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York 10528
(Volume I)

April 2000

Prepared for:

500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, New York 11797

ERM®

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(VOLUME II)

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Section 1

1.0 *INTRODUCTION*

Environmental Resources Management (ERM) has prepared this Final Investigation Site Assessment Report on behalf of 500 Mamaroneck Avenue Associates ("MMA") to document conditions at the property located at 500 Mamaroneck Avenue, Harrison, New York (site). This report provides data from an Investigation Work Plan submitted to the New York State Department of Environmental Conservation ("NYSDEC") in December 1998, (Appendix A) as well as data and information in response to all the NYSDEC comments to that Work Plan (Appendix A). This Investigation Report is submitted to the NYSDEC for approval as the final investigation work plan and report under paragraph I (A) (I) of the Voluntary Cleanup Agreement, Index #W3-0851-99-05 between the NYSDEC and MMA dated April 13, 2000 ("VCA"). The site covered by the VCA is occupied by a five-story office building, which was constructed on property previously owned and operated by the Town of Harrison as a municipal incinerator. As part of a Phase I Due Diligence Investigation carried out by Dames and Moore, Inc on behalf of a potential purchaser of the site in 1998, soil and groundwater samples were collected to assess potential impacts from past property usage. Dames and Moore's preliminary sampling results indicated residual soil concentrations of Resource Conservation Recovery Act (RCRA) metals, polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) interpreted to be in excess of regulatory standards or guidelines. Groundwater samples collected by Dames & Moore, however, did not indicate any significant levels of contaminants. Follow up sampling, was carried out in May 1998 by ERM on behalf of MMA . As discussed later in the report, not all of the Dames & Moore results and interpretations, in particular the elevated PCB findings, were confirmed by ERM and subsequent testing carried out by Coneco, Environmental Corp.) The detection of residual on-site contamination by ERM resulted in submission of a Voluntary Clean up Program (VCP) application to the NYSDEC, which resulted in the

VCA. This report summarizes the previous site investigations, in particular the initial site investigation conducted in 1998, and the remediation site investigations conducted in 1998 and late summer 1999 pursuant to the Work Plan attached as Appendix A.

1.1 *ERM INVESTIGATIONS - MAY 1998 – JULY 1999*

In May 1998, ERM was retained to evaluate conditions at the site. ERM carried out a site investigation, which included the installation of 21 soil borings to:

- Verify the presence and establish concentrations of PAHs and PCBs.
- More completely delineate the areal and vertical extent of any residual inorganic, PCB or PAH soil contamination.
- Establish the source of on-site contamination.

The results of the site investigation were detailed in a report prepared by ERM entitled Site Assessment Report 500 Mamaroneck Avenue, Harrison, New York, dated June 1998 and are attached hereto as Appendix B The report discussed the contaminant distribution, evaluated the fate and transport of the residual contaminants detected and recommended a remedial alternative consistent with the property usage. The report data confirmed that the contamination was most likely related to past site usage as a municipal incinerator and not the result of any activity or usage by MMA.

That assessment report was submitted to the NYSDEC to determine how best to address the contaminants present at the site. The NYSDEC indicated that appropriate closure of the site could be achieved through the State's VCP and an application was therefore completed and submitted to the NYSDEC. This Site Assessment Work Plan, dated December 1998, was included with the application. That Work Plan was

reviewed and commented upon by NYSDEC. All NYSDEC comments were incorporated into the Investigation Work Plan implementation. That Work Plan (and NYSDEC comments) is attached as Appendix A.. All work was conducted on site from May to July 1999. This report documents and analyzes that investigation and constitutes in our opinion the Final Investigation Report under the VCA which we request NYSDEC to confirm pursuant to paragraph I (A) (1) of the VCA and to attach to the VCA as Exhibit "B", the Final Investigation Report.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2.1 *Study Area Description & History*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent properties.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were

removed prior to construction of the current office building development. This material was removed only from that portion of the site that was improved (the portion closest to Mamaroneck Avenue). Water is provided by the local municipal system and the site therefore has no drinking water well(s). A bedrock well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small seasonal wet area is located in the northeastern portion of the property, immediately east of the northern portion of the parking area. The wet area appears on the 1990 U.S. Department of the Interior Wetlands Inventory Map and is described as a Palustrine – Scrub/Shrub – Broad leaf – deciduous-seasonally flooded area. The area is not shown on the 1987 N.Y. State Fresh-Water wetlands map and is therefore not regulated by the NYSDEC.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences further to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.2.2 *Site Geology*

The U.S.G.S. 1967 (photo inspected 1975) Topographic Map of the Mamaroneck. New York Quadrangle, shows that site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the property. The topography and general site features suggest that groundwater beneath the study site would flow west towards the Mamaroneck River, located approximately 200 feet west of the site boundary.

According to the September 1994 General Geology Map of Putnam and Westchester Counties. New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property.

1.2.3 *Previous Investigations*

Phase I's

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997; Dames & Moore, Inc., 1998 (late February or early March), ERM, June, 1998 and Coneco Environment Corp. (Coneco), June 1999. Except for the Dames & Moore and Coneco sampling and ERM Site Assessment, these investigations can be categorized as general Phase I Environmental Assessments. GZA, ERL and USHI did collected limited soil and/or groundwater samples as part of their work.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain

debris from past Municipal Solid Waste (MSW) operations (see Figure 3). The samples were composited and analyzed for RCRA metals following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 3). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 3). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be "slightly elevated," they are consistent with typical soil metals concentrations from urban settings and do not necessarily indicate contamination from operation of the incinerator.

Dames & Moore Data - 1998

As discussed above, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. Initially they proposed the installation of 8 soil borings. However, 2 of their borings (D-5 an D-6) were not installed due to the presence of underground utilities. Figure 3 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs, semi-volatile organic compounds (SVOCs) including PAHs and PCBs and RCRA metals. Only the results of the Dames & Moore sampling were obtained by ERM, therefore, the

analytical methodology is unknown. However, it is likely that standard USEPA analytical methods were used because the samples were collected as part of a due diligence investigation for a potential property transfer.

Dames & Moore's data sheet received indicated PAHs and PCBs in excess of Technical and Administrative Guidance Memorandum Number HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels, dated January 24, 1994 (TAGM-4046) in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (µg/kg), chrysene at 670 µg/kg and benzo(a)anthracene at 600 µg/kg. Recommended Soil Cleanup Objectives are 61 µg/kg or method detection limit (mdl), 400 µg/kg or mdl and 224 µg/kg, respectively. The PCB concentration (Aroclor 1242) in this sample was 13,000 µg/kg. The TAGM-4046 Recommended Soil Cleanup Objectives for PCBs are 1,000 µg/kg (surficial [0-3 feet below grade]) and 10,000 µg/kg (subsurface [> 3 feet below grade]). No VOCs exceeded TAGM-4046 recommended objectives in any of the six soil samples collected. The data sheet also indicates that RCRA metals exceed TAGM-4046 guidelines in all of the samples. However, considering the proximity of bedrock at the site, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to TAGM-4046 objectives rather than site background was premature. In addition, no subsequent collected data have indicated any PCB samples in excess of TAGM-4046.

Groundwater samples were collected from the existing on-site well and from borehole No. 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameter was detected above its respective TAGM-4046 guidance criterion.

ERM-May/June 1998

As discussed previously, in May and June, 1998 ERM carried a Site Assessment at the 500 Mamaroneck Avenue property. This investigation consisted of the installation of 21 soil borings (ERM1 through ERM-21). The borings were installed to:

- evaluate the Dames and Moore findings and
- define areas with residual soil contaminants with concentrations above the TAGM-4046 Recommended Clean up Objectives.

Soil samples were collected continuously from land surface to a depth of 15-feet or to bedrock in each borehole. Each sample was screened using field immunoassay testing for PCBs and PAHs. Confirmatory samples were sent for laboratory testing and further analysis for PCBs and PAHs Four soil samples were further characterized through analysis for PCBs, PAHs and RCRA metals after extraction using the Toxicity Characteristic Leaching Procedure (TCLP). The latter analyses were carried out to assess the mobility of any residual constituents encountered during the assessment.

The June, 1998 ERM assessment revealed the presence of some residual chemicals, namely PAH's above the TAGM-4046 Recommended Soil Clean up Objectives in some of the borings. The contaminants above Clean-up Objectives were detected in the south parking lot of the site bordering the berm (ERM-12 and ERM-13). The location of the former incinerator (ERM-19) and in northwest corner adjacent to the access road (ERM-20).

Coneco Environmental Investigation - 1999

In early 1999, the property was sold to 500 Mamaroneck Avenue L.P. and Viviane Paris, LLC as Tenants in Common (W&M). Prior to the sale,

W&M engaged Coneco to install additional borings to evaluate environmental conditions at the site. In March, 1999 Coneco installed 57 soil borings, collected a groundwater sample from the on-site well and sampled surface water and sediment at the site. Borings were advanced to bedrock with continuous collection of soil samples. As in the ERM investigation, some of the samples indicated residual concentrations of PAHs in excess of TAGM-4046 Recommended soil Clean-up Objectives. The locations of these borings were similar to the locations where ERM had observed exceedences, i.e. in the south parking lot adjacent to the berm and in the northwest corner of the property near the entrance roadway. Contaminants were not detected in the groundwater, surface water or sediment samples. The consultant investigation reports are presented in Appendix B.

Section 2

Section 2

2.0 *REMEDIATION SITE INVESTIGATION*

The scope of the Remediation Investigation Work Plan was based on discussions with the NYSDEC regarding the findings of the initial Site Assessment conducted by ERM in May/June 1998, the work carried out by Coneco in 1999 and NYSDEC's requests for additional information to complete the site assessment. This Work Plan is requested to be attached as Exhibit B of the VCA and designated the Final Investigation Work Plan. It was designed to fully define the extent of impacts from past activities at the Site. The specific data gaps from previous investigations identified by the NYSDEC were addressed by the collection of additional samples, analyzed for a broader range of analytes. The Remediation Investigation included:

- A geophysical survey implemented in areas where residually contaminated (PAHs, PCBs) soils were detected in previous investigations.
- Installation of 28 additional borings.
- Collection of groundwater, surface water and sediment samples.
- Analysis of all samples for the complete target analyte list (TAL) and target compound list (TCL).
- A site survey to accurately locate the numerous boring installed on the site and establish surface elevations.

The primary purpose of these tasks was to:

- Provide a better definition of on-site contamination and identify potential sources.
- Provide a means for calculation of the soil volume present over the bedrock surface in areas where residual contamination has been detected.
- Afford a means for evaluating whether there is sufficient soil volume to represent a significant source of contamination.

- Facilitate calculation of the costs associated with soil removal and offsite disposal, based on the determination of volume for areas of residually contaminated soils, should this become a potential remedial option.

Details of the subsurface investigation are discussed below. The work plan and NYSDEC comments are provided in Appendix A.

2.1 *GEOPHYSICAL SURVEY OF KNOWN IMPACTED AREAS*

NAEVA Geophysics Inc. (NAEVA) of Tappan, New York implemented a non-intrusive subsurface investigation on 12-14 May 1999. This investigation was carried out to determine the depth of bedrock from land surface in areas where previous investigations detected PAHs and PCBs above TAGM 4046 levels. Four areas were designated for further investigation during the Supplemental Site Investigation and were called Areas of Concern (AOC). The designation was based solely on data collected in previous investigations and the presumption that soil in these areas could contain PAHs and PCBs above TAGM 4046 levels. The Geophysical survey data were used in the placement of additional soil borings to more effectively delineate the extent of residual contamination within areas of concern (AOCs) and to calculate the volumes of contaminated soil in each of the AOCs. Finally, the survey also located underground utilities in the central portion of the Site to allow the installation of additional borings and the collection of soil samples from that area of the site.

The areas where the geophysical surveys were conducted are presented on Figure 3 and are designated as AOCs 1 through 4. A copy of the field notes generated by ERM's on-site representative observing the subsurface geophysical investigation has been attached as Appendix C.
Ground Penetrating Radar (GPR) was the primary geophysical technique used to determine bedrock topograghy/depth. It utilized two equipment

systems, the Sensors and Software (S&S) - Pulse-EKKO 100 and the S&S Noggin. The instruments were operated at 100 and 250 megahertz frequencies, respectively. A variety of electromagnetic instrumentation was employed to locate the underground utilities. The report generated by NAEVA detailing results of the subsurface geophysical survey has been attached as Appendix D.

GPR systems utilize the propagation and reflection of high frequency, electromagnetic energy to image subsurface structures. A pulse emitted from the transmitter travels through the ground and is partially reflected between the boundary of two media (or structures) having different electrical properties. In areas where bedrock is relatively shallow, GPR data will typically show a strong reflection between the bedrock surface and overburden.

Within each AOC, a survey grid consisting of a number of parallel lines over which GPR data were collected was established. Spacing between the lines was inconsistent due to random locations of cultural obstacles, such as parking curbs. Line spacing ranges from 30 to 90-feet. For quality control purposes, in AOC 3, an additional profile of GPR data was collected from a line, which crossed other grid lines perpendicularly.

Two measurements, at 8-inch intervals, were collected along each line to ensure quality control of data collected. Depth interpretation were compared between common points where GRP lines intersected in AOC 3 and depth data from a line in AOC 1 was compared to bedrock depth data from a borehole located along this same line as calibration checks.

Data obtained from the S&S Pulse-EKKO GPR unit showed better signal penetration than the Noggin unit. Therefore, data from the Pulse-EKKO GPR unit was used in the bedrock surface interpretation in nearly all profile traverses (data lines) with the exception of two lines, which were

acquired traversing an incline. Geophysical survey results are presented in graphic and tabular form in NAEVA's report (AppendixD).

2.2 *SOIL BORING / SAMPLING PROGRAM*

A soil boring and sample collection program was carried out to collect data in support of the goals outlined in Section 2.0, namely, to provide better definition of the quantity and environmental conditions of on-site soils. NYSDEC was notified in advance as to the schedule of all field work. Trade-Winds Environmental Restoration Inc. of Bay Shore, New York installed 28 additional soil borings between 7-9 July 1999 using Earth-Probe™ drilling techniques and equipment under the supervision of an ERM hydrogeologist. A representative of Coneco, as agent for W &M observed all drilling and sample collection operations. Each boring was advanced until refusal and no further downward progress was possible. Continuous 2-foot samples were collected using MacroCore™ samplers equipped with acetate lines. The MacroCore™ sampler was decontaminated following each sample and between borings as per ERM protocols using an Alconox detergent wash solution followed by a distilled water rinse and subsequent air-drying. The acetate liners were designed for single use/disposable sampling strategies and were discarded following containerization of each sample. The acetate liners therefore required no prior decontamination.

Soil samples were screened in the field using a photoionization detector (PID) equipped instrument. PID screening of samples collected during this phase of the investigation yielded only one detection (Boring ERM-38 D [6.7.5-feet below land surface {bls}]) of 0.1 PPM. This detection was measured at the bottom of the instruments potential range and is consistent with the absence or very low detections (in the low parts per

billion range) of VOCs observed during previous subsurface investigations at the Site.

The soil boring installation program was intended to supplement ERM's initial investigation, conducted in May 1998. The initial Site Assessment included installation and sampling of 21 soil borings. The current phase of investigation involved the installation and sampling of an additional 28 soil boring locations. Sediment samples were collected at 4 locations from the ponds/storm water detention basins located on the property. The samples were collected approximately 6-inches below the sediment surface using a properly decontaminated, stainless steel hand auger. To simplify the soil boring nomenclature shown on Figure 3, boring identification prefixes utilizing the environmental investigation firm's initials have replaced original boring designations. For example, ERM boring GP-16 is now designated ERM-16 Similarly Coneco boring B-55 has now been designated C-55, etc. Locations of borings ERM-22 through ERM-48 (GP-22 through GP-48 in the field notes) and sediment samples locations are depicted on Figure 3. Please note that soil boring at proposed locations, ERM-23 and ERM-24 were eliminated due to the presence of bedrock outcrops. Figure 3 also shows sampling locations from previous environmental investigations discussed in Section 1.2.3 of this report. At several locations only a thin mantle of soil, from which the sample was collected, was observed. The field notes from the soil boring installation program are provided in Appendix C.

After the drilling equipment was advanced to the requisite depth horizon, downhole sampling equipment was removed from the borehole and a discrete 2-foot depth interval sample collected. The sample was immediately screened for VOCs, physically characterization and logged, homogenized, aliquots placed in appropriate laboratory glassware, labeled, and stored on ice. As stated above, samples were continuously collected until drilling refusal was met. All samples were submitted for

laboratory analysis. Chain of Custody documentation and Custody Seals were prepared and affixed to sample shipment coolers, which were forwarded to the laboratory via overnight courier.

2.3 *GROUND WATER SAMPLING PROGRAM*

Aqueous samples were collected to evaluate groundwater and surface water quality at the Site. One ground water sample was collected from the water cascade supply well from a dedicated discharge line. Surface water samples were collected from the Upper Pond (at the base of the water cascade) and from the seasonally wet area located east of the northeast corner of the Site. Sample analyses, QA/QC and report deliverables were identical to those of the Soil Sampling Program.

2.4 *LAND SURVEYING PROGRAM*

As part of environmental assessment activities at the Site, soil samples have been collected at more than 100 locations. Figure 3 identifies these boring locations. The surveying work scope included of all known boring locations for vertical elevation to the nearest hundredth of a foot (0.01-feet) and horizontal position to the nearest half foot (0.5-feet). All data was transposed onto a Site Plan consistent with and in scale with the original property surveying data. An electronic deliverables was prepared as part of the report package and was used to update maps with data pertinent to the environmental investigation.

This survey information will be used to assist in calculation of the volume of soils which may require disposal, and the anticipated costs associated with those efforts. This will be achieved by comparative analysis of land survey data and geophysical survey bedrock topography/depth data.

Section 3

Section 3

3.0 *SAMPLING RESULTS*

The results of the Remediation Investigation are present in the following sections.

3.1 *GEOPHYSICAL SURVEY*

For each AOC (as previously defined in Section 2.1), interpreted depth measurements were taken from the GPR profiles at intervals of approximately 12-feet and combined to generate contour maps showing the bedrock topography. The bedrock contour maps and site over lay maps are presented in Appendix D. Please note that NAEVA indicates in their report that is it unclear from the GPR records, when bedrock is less than 2-feet in depth, what the depth actually is. The bedrock depths were therefore set to 1-foot in these areas.

In general the bedrock surface was interpretable in nearly all profiles collected. The exception are profiles ERM 3 of AOC 1 and ERM 17 of AOC 4 which were collected along slopes causing poor signal penetration. Bedrock interpretation in these areas is limited. Finally, several of the profiles also contain discontinuities likely due the presence of reflection from unknown sources present in the bedrock which were strong enough to mask the bedrock reflections. The data also appear to contain small percentages of false reflections generated by sources of above ground interferences, such as a local form of radio transmission. These problems, however, had a minimal impact on the quality of the data collected as demonstrated by good repeatability (two measurements were taken over each transect) and the good correlation between GPR data and available borehole data. In AOC 3, the interpreted bedrock depths from the intersection profiles were in very close agreement showing variations of 0.75-feet or less. Data from the borehole located in AOC 1 documents the depth to bedrock as 6-feet. The bedrock depth obtained from the GPR

measurements at this location was 5.75-feet. The interpretive analysis of GPR data yielded the approximated depths to bedrock at 4 AOCs shown below:

AOC	Location at Property	Approx. Depth to Bedrock (feet bls)	Topographic Characterization
1	Near NW entrance to property	5 - 7	dips slightly to the southeast
2	NE corner of property	0 - 7	dips generally to the west except for a bedrock ledge aligned in N to S orientation along the 80-foot transect
3	South side of property	5 - 8	Minor dips and rolls of bedrock topography but relatively flat overall.
4	West of the office building	3 - 8	Depth to bedrock progressively increases in an easterly direction towards the building

3.2 *LABORATORY ANALYSES*

The laboratory selected for analytical services was Severn Trent Laboratories (STL) of Monroe, Connecticut. STL's responsibilities included screening of each of the soil samples for PAHs and providing results to ERM in a timeframe so that the samples selected for full TCL/TAL analysis could be analyzed within established sample holding times. Based on results of the PAHs screening, sample location with respect to previously collected samples and the chemical analyses obtained during prior studies, ERM selected samples for further laboratory analysis.

The soil samples selected for further analysis were analyzed for the following:

- Target Compound List Volatile Organic Analysis plus 20 Tentatively Identified Compounds (TICs);
- Target Compound List Base / Neutral Acid Extractable Organics Analysis plus 30 TICs;

- Polychlorinated Biphenyls (PCBs);
- Target Compound List Organochlorine Pesticides; and
- Target Analyte List (TAL) Metals

Quality Assurance /Quality Control (QA/QC) samples were collected at a frequency of 1 per 20 samples, and analyses and analytical report deliverables are in accordance with NYSDEC ASP Category B formatting.

The PAH screening was carried out by extracting an aliquot of each of the soil samples with methanol and then analyzing the extract using gas chromatography (GC) utilizing USEAP Method 8100. The screening results where telefaxed to ERM by STC for review and identification of samples for complete analysis. Samples collected from boreholes where only one soil sample was obtained due to the presence of shallow bedrock were not screened.

Forty two (42) samples were sent to STL for screening analysis (See Table 2-1). From these, 25 samples, based on the results of the screening analysis and proximity to AOCs identified from previous investigations carried out at the site, were selected for full analysis. Sediment samples from the upper and lower ponds, the catch basin located in the northwest section of the site and from the swampy/wet area in the undeveloped wooded area on the eastern border of the property were also analyzed. Finally ground- and surface water samples from the on-site bedrock well, upper pond and eastern swampy/wet area were analyzed for TCL/TAL constituents.

After receipt of the analytical data from STL, a Data Usability Summary Report (DUSR) was prepared. Data quality, completeness and accuracy were assessed using the principles enunciated by the NYSDEC Division of Environmental Remediation Quality Assurance Group. The data quality

was determined to be acceptable and data qualifiers were added where appropriate. Copies of the DUSRs are included in Appendix E.

3.3 *Sampling Results*

The results of the soil, surface and groundwater sampling are presented in Tables 2-2, 2-3, 2-4, and 2-5 for volatiles, base/neutral/acid extractables, pesticides/PCBs and metals, respectively.

3.3.1 *Volatiles*

No TAL volatile organic compounds were detected above the TAGM 4046 recommended soil clean-up objectives. The low levels of volatiles, such as methylene chloride, acetone and 2-butanone are likely laboratory artifacts because these compounds are also detected in both the field and trip blanks. Non-point source discharges of petroleum products, e.g., from automobile parking or emissions are the likely sources of the low levels of benzene, toluene, and xylenes detected in several samples.

3.3.2 *Semivolatiles*

Semivolatile organic compounds (SVOCs) were detected in the soil, and sediment samples collected at the 500 Mamaroneck Avenue site. SVOCS detected include PAHs, PCBs and phthalates. The SVOC results are presented in Tables 2-3 and 2-4 for Base/Neutral/Acid Extractables, and pesticides/polychlorinated biphenyls (PCBs), respectively.

Polynuclear aromatic hydrocarbons were the most frequently detected SVOCs and were the only contaminants detected with concentrations exceeding TAGM 4046 recommended soil clean up objectives. PAH concentrations exceeded soil clean up objectives in 19 of the 32 samples collected including ERM-28C, ERM-30A, ERM-31C, ERM-35A, ERM-36A,

ERM-37A, ERM-39A, ERM-40F, ERM-41A, ERM-42A, ERM-44A, ERM-45A, ERM-46A, ERM-47A, ERM-48B, Uppper and Lower Pond Sediments, and the northwest catch basin sediment. The PAHs detected most frequently were: phenanthrene, fluoranthene, pyrene, benzo(a)anthracene and chrysene. These compounds were detected more than 30 times in the 36 samples collected. Other 3, 5 and 6 ring PAHs were the next most frequently detected compounds. This group includes anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene and benzo(g.h.i)perylene. PAHs are frequently formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances and as such their presence is consistent, with the existence of a municipal incinerator on site. Some levels of PAH's are also consistently found in any urban industrial/commercial area.

The only SVOCs detected in the surface- and groundwater were low concentrations of phthalates. Phthalates are used in plastics to prevent brittleness and are ubiquitously detected in samples collected using plastic sampling devices such as bailers, from the samplers gloves and the sample bottle cap liners. The phthalates detected in the surface- and groundwater samples were observed at concentrations estimated to be 1 microgram per liter (μg/L or part per billion [ppb]) or less. It is therefore likely that the phthalates present in these samples result from incidental contact with plastic materials as discussed above.

PCBs and pesticides were also detected in the borehole soil samples. Concentrations of these compounds were all below TAGM-4046 Recommended Cleanup Goals. Specifically, low concentrations of pesticides residuals were detected in all soil samples/sediment samples collected. The most frequently detected pesticides were DDT and its degradation products DDE and DDD, and α and γ chlordane. Use of these compounds has been prohibited from many years and their detection therefore reflects past property usage or airborne emissions. This is

confirmed by the detection of these compounds in the sediment collected from the wet area (swamp) in the eastern undeveloped section of the property. PCBs were detected in 22 out of the 25 borehole samples and in the sediment samples from the ponds and catch basins, including the eastern pond in the undeveloped portion of the property. The most frequently detected PCBs were Aroclor 1254 and 1260. However as stated above, PCB concentrations collected in these comprehensive investigations did not exceed TAGM-4046 Recommended Clean Up Goals.

3.3.3 *Metals*

TAL metals were detected in all samples collected at the 500 Mamaroneck Avenue site (Table 2-5). Soil metal concentrations were evaluated against TAGM-4046 levels, Eastern United States Background Soil metal concentrations and Elemental Concentration of Surface Materials in the Contiguous United States by Shacklette and Boerngen (Shacklette, H.T. and Boerngen, L.G. 1984. Element Concentrations in Soil and other Surficial Materials of the Conterminous United States. U.S. Geological Survey Paper 1220). The latter two references were used to establish site background metals concentrations because only a limited number of samples were collected from the undisturbed area of the site, i.e., from the undeveloped wooded area to the east of the site. This sample population is insufficient in size to use to determine statistically significant site background metals concentrations. Moreover based on the PCB and pesticide sampling results, the undeveloped portion of the site may have been impacted by the discussed past practices. Only the establishment of potential site background concentrations would confirm whether the residual concentrations on site are the result of the past incinerator activity or the result of the weathering of the exposed rock on site.

The bedrock at the site is Harrison Gneiss. The elemental composition of gneiss includes the following elements: sodium, potassium, calcium,

magnesium, iron, aluminum, chromium, titanium, silicon, oxygen and fluorine. Weathering of the gneiss could therefore increase concentrations of these elements.

As shown in Table 2-5, barium exceeded TAGM-4046 or background concentrations in boring ERM-31; cadmium exceeded TAGM-4046 or background concentrations in borings ERM-31, ERM-35, ERM-36, ERM-37 and in the Lower Pond Sediment; mercury exceeded TAGM-4046 or background concentrations in boring GP-35 and selenium exceeded TAGM-4046 or background concentrations in ERM-36.

Section 4

Section 4

4.0 *FATE AND TRANSPORT*

The fate and transport of the principle contaminants detected at the 500 Mamaroneck Avenue Site are discussed below. The discussion focuses on soil contamination because the groundwater and surface water in the ponds and the on-site supply well were not found to be contaminated.

4.1 *POLYCYCLIC AROMATIC HYDROCARBONS*

PAHs are formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances. PAHs can also occur naturally for example, in petroleum. PAHs are found throughout the environment in the air, water and soil particularly in urban industrial/commercial settings. There are more than 100 different PAH compounds.

As pure chemicals, PAHs generally exist as colorless, white or pale yellow-green solids. They have a faint, pleasant odor. Most PAHs do not occur alone in the environment, i.e., they generally part of a complex mixture, for example, in crude oil, coal tar, creosote, and road and roofing tars.

PAHs enter the environment largely as releases to air from the aforementioned combustion processes. They can also enter surface water through discharges from industrial plants and waste water treatment plants, and they can be released to soils at hazardous waste sites. The movement of PAHs in the environment depends on properties like their water solubility, vapor pressure, and molecular weight. PAHs in general do not easily dissolve in water. They are present in air as vapors or stuck to the surfaces of small solid particles and can travel long distances before they are removed through washout in rainfall or particle settling. Some PAHs can evaporate from surface waters, into the atmosphere, but most

will stick to solid particles and settle to the bottoms of rivers or lakes. In soils, the compounds are most likely to stick tightly to particles. Some PAHs can evaporate from surface soils to air. PAHs can break down to less short-lived products by reacting with sunlight and other chemicals in the air, generally over a period of days to weeks. Breakdown in soil and water generally takes weeks to months and is due mostly to the actions of microorganisms. Most of the PAHs in soil are believed to result from atmospheric deposition after local and long-range transport.

4.1.1 *PAH Transport and Partitioning*

Transport and partitioning of PAHs in the environment are determined to a large extent by physical/chemical properties such as water solubility, vapor pressure, Henry's law constant, octanol-water partition coefficient (K_{ow}), and organic carbon partition coefficient (K_{oc}). In general, PAHs have low water solubilities. The Henry's law constant is the partition coefficient that expresses the ratio of the chemical's concentrations in air and water al equilibrium and is used as an indicator of a chemical's potential to volatilize. The K_{oc} indicates the chemical's potential to bind to organic carbon in soil and sediment. The K_{ow} is used to estimate the potential for an organic chemical to move from water into lipid and has been correlated with bioconcentration in aquatic organisms. Some of the transport and partitioning characteristics (e.g., Henry's law constant, K_{oc} values, and K_{ow} values) of PAHs analyzed for during this investigation are roughly correlated to their molecular weights. These properties are discussed by grouping these PAHs as follows:

- Low molecular weight compounds (152-178 g/mol) acenaphthene, acenaphthylene, anthracene, fluorene, and phenanthrene
- Medium molecular weight compounds (202 g/mol) fluoranthene and pyrene; and

- High molecular weight compounds (228-278 g/mol) benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

4.1.2 *Transformation and Degradation*

Microbial metabolism is the major process for degradation of PAHs in soil environments. Photolysis, hydrolysis, and oxidation generally are not considered to be important processes for the degradation of PAHs in soils. The rate and extent of biodegradation of PAHs in soil are affected by environmental factors, characteristics of the microbial population, and the physical and chemical properties of the PAHs. Biodegradation half-lives of PAHs in soils ranged from about 2-60 days for compounds containing two and three aromatic rings to more than 300 days for compounds containing four and five aromatic rings. Environmental factors that may influence the rate of PAH degradation in soil include temperature, pH, oxygen concentration, PAH concentrations and contamination history of soil, soil type, moisture, nutrients, and other substances that may act as substrate co-metabolites. The size and composition of microbial populations in turn can be affected by these factors. For example, in low-pH soils, fungi are dominant over bacteria, and thereby control microbial degradation in these environments. Sorption of PAHs to organic matter and soil particulates also influences bioavailability, and hence, biotransformation potential. Sorption of PAHs by soil organic matter may limit biodegradation of compounds that would otherwise rapidly undergo metabolism.

4.1.3 *Sediment and Soil Background Concentrations*

PAHs are ubiquitous in soil. Background concentrations for urban soils (from the United States and other countries) are given below:

Compound	Concentration (μg/kg) Urban Soil
Acenaphtene	N/A
Acenaphthylene	N/A
Anthracene	N/A
Benzo(a)anthracene	169-59,000
Benzo(a)pyrene	165-220
Benzo(b)fluoranthene	15,000-62,000
Benzo(e)pyrene	60-14,000
Benzo(g,h,I)perylene	900-47,000
Benzo(k)fluoranthene	300-26,000
Chrysene	251-640
Fluoranthene	200-166,000
Fluorene	N/A
Indeno(1,2,3,cd)pyrene	8,000-61,000
Phenanthrene	N/A
Pyrene	145-147,000

In general, urban PAH concentrations exceed agricultural and rural. Evidence of the global distribution of PAHs is given by the over 150μg/kg concentrations of benzo(g,h,i)perylene and fluoranthene detected in arctic soils. Soil samples collected from remote wooded areas of Wyoming contained total PAH concentrations of up to 210 μg/kg. Soil samples collected from the site of a Seattle coal and oil gasification site, which ceased operation in 1956, contained pyrene levels up to 4,300 μg/kg. Soil samples collected from the Fountain Avenue Landfill in New York contained total PAH concentrations of 400-10,000 μg/kg. Total PAH concentrations of 4,000-8,000 μg/kg were detected in the soil near a complex road interchange in Switzerland, while a level of 2,300 g/kg was measured in an area removed from the road. A benzo(a)pyrene concentration of 650,000 μg/kg was measured in soil 10 meters from an industrial plant in Germany (Edwards 1983). Drainage stream sediments of a wood-preserving facility near Pensacola, Florida, contained various PAHs at individual levels up to 140,000 μg/kg (anthracene).

4.2 *POLYCHLORINATED BIPHENYLS*

PCBs bind strongly to soil and sediments and may remain there for years. PCBs will not typically travel deep into the soil with rainwater. In general, the breakdown of PCBs in the water and soil occurs over several years, or even decades. Sediments containing PCBs at the bottom of a large body of water such as a lake, river, or ocean generally act as a reservoir from which PCBs may be released in small amounts to the water. In national studies, PCBs have been detected in a very limited number of drinking water supplies. Based on the sampling data PCBs, presumably resulting from operations of the municipal incinerator, have impacted site soil. However, concentrations are below TAGM 4046 Soil Clean-up Guidelines. No PCB's have been detected in the groundwater at the subject site.

4.2.1 *PCB Soil Transport and Partitioning*

Low water solubility, high octanol-water partition coefficients of the PCBs and strong adsorption to soils and sediment indicate that leaching should not occur in soil under most conditions. The tendency to leach will be greatest among the least chlorinated congeners. Since the sorption of PCBs in soil is proportional to soil organic carbon content, leaching is expected to be greatest from soils with low organic carbon. PCBs in soil leach significantly in the presence of organic solvents, which might occur at a hazardous waste site. Storm water runoff will also transport PCBs from soil to surface water.

4.2.2 *Transformation and Degradation*

The ability of PCBs to be degraded or transformed in the environment depends on the degree of chlorination of the biphenyl molecule as well as on the isomeric substitution pattern. In general, the persistence of PCB congeners increases as the degree of chlorination increases.

4.2.3 *Sediment and Soil*

There is no chemical process known to degrade PCBs in sediment and soil. However, biodegradation via dechlorination may occur under anaerobic conditions. Biodegradation of PCBs in soil is low, especially in soils that have a high organic carbon content. In two soils containing 10% organic matter only 5% biodegradation of Aroclor 1254 was observed in 1 year. On the other hand greater than 25% biodegradation was observed in 1 year in a loamy sand soil containing 0.1% organic carbon. Furthermore, the less chlorinated biphenyls were biodegraded more rapidly than the highly chlorinated ones. It has been reported that the mono-, and di-chlorobenzoate, and possibly other higher chlorobenzoates formed from aerobic degradation of PCBs act as inhibitors towards further degradation of higher chlorinated PCBs. Therefore, the efficiency of PCB degradation is not only controlled by the enzyme substrate selectivity pattern, but also by the metabolite production pattern.

4.3 *METALS*

The most frequently detected metal at the 500 Mamaroneck Avenue site was cadmium. It was detected in borings ERM-31, ERM- 35, ERM-36, ERM-37 and the Lower Pond Sediment. Small amounts of cadmium leaching into groundwater enter the environment from the natural weathering of minerals, but most is released by industrial activities in this case most probably the municipal incinerator activities.

Cadmium in soils may tend to leach into water, especially under acidic conditions. Cadmium containing soil particles may also be entrained into the air or eroded into water, resulting in dispersion of cadmium into these media. Transformation processes for cadmium in soil are mediated by sorption and desorbtion from water and include precipitation, dissolution, complexation and ion exchange. Important factors affecting transformation in soil include the cation exchange capacity, the pH and the content of clay and carbonate minerals, oxides, organic matter and oxygen.

Finally, the boring locations with cadmium concentrations in excess of TAGM-4046 Guidelines are along the western boundary of the property, i.e., along Mamaroneck Avenue. There is no evidence of cadmium leach at this site.

Section 5

5.0 *FINDINGS AND RECOMMENDATIONS*

5.1 *REMEDIATION ANALYSIS*

The site has been impacted by past site activities with detectable concentrations of PAHs, PCBs, pesticides and metals observed in soil and sediment. The source of these contaminants is most likely emissions from the former Town of Harrison Municipal Incinerator and/or operations at the transfer station, which were both located on site. Emission of contaminants from the incinerator stack followed by on-site deposition is suggested due to the site wide distribution of contaminants including areas of the site, which have not been developed or reworked during the construction of the existing building.

As discussed in Section 3, PAHs are the principal chemicals found on site. PAH are the only chemicals whose concentrations exceed TAGM 4046 Recommended Clean up Guidelines. Specifically, PAH concentrations exceeded guidelines in AOC1, AOC-3 and AOC-4. In addition, the berm south of AOC-3, (extending into the small parking area located to the east of the main parking lot) and a semi-circular area defined by borings ERM-44, ERM-45, ERM-46 and ERM-47 also contain PAHs in excess of Clean up Guidelines.

These areas are generally covered by asphalt pavement, grass or ornamental plantings. The condition of the asphalt is good and the vegetative cover is well maintained. These concentrations are not at the surface. Therefore there is no current exposure pathways for human contact.

Furthermore, as indicated in Section 3, the most frequently detected PAHs at the site contain three or more rings. These high molecular weights PAHs are extremely immobile due to their low solubilities and vapor

pressures, high Henry Law Constants (atm * m^3/mol), high K_{ow}s and K_{oc}s. These data indicate that the residual PAHs at the site will strongly adsorb to soil. The strong soil adsorbtion reduces their bioavailability, which in turn reduces the rate of biodegradation. The three and four membered ring PAHs present at the site will therefore persist in the environment but not migrate. The same physical characteristics, which make these PAHs resistant to degradation also makes them extremely immobile. This is consistent with the data collected in the various investigation carried out at the site. These studies show that 3 and 4 membered ring PAH persist at the site even though the likely source was removed almost 20 years ago. During this time period, however, the PAHs have not migrated to the groundwater. PAH immobility is confirmed by the Toxicity Characteristic Leaching Procedure (TCLP) Testing carried out during the initial Site Assessment (Site Assessment Report, June 1998) on samples collected from soil borings ERM-11, ERM-12 and ERM-13, located in AOC-3. PAH concentrations in the TCLP extracts were all significantly below the TAGM 4046 standards for protection of groundwater.

TAGM-4046 Recommended Soil Clean up Guidelines were developed for the protection of groundwater assuming the best groundwater usage is as a drinking water source. Since there is no drinking water at or in the vicinity of the site the rationale for the application of the guidelines does not apply here. The Town of Harrison Municipal Water System supplies Drinking Water for the building and surrounding properties. Additionally, urban background PAH concentrations are not reflected in the TAGM-4046 Guidance Values. This also makes application of these clean-up values inappropriate at the site.

More importantly, TAGM-4046 Clean up Guidelines were developed using a leaching model conceptualized for environmental settings with unconsolidated deposits (soil) overlying the groundwater. At 500 Mamaroneck Avenue, in most areas of the site, there is only a thin soil

verneer overlying bedrock. Transport of contaminants in a bedrock environment involves both adsorbtion/desorbing in any unconsolidated soil verneer, which may be present and surface interactions in bedrock fractures. These interactions may involve both organic carbon containing material, fracture topology and minerals within fractures through which water may move. Therefore the model used for the guidelines which relies on the bulk partitioning of contaminants between organic material in a soil column bears little relationship or applications to the geological configuration of this site.

There is one on-site groundwater well at 500 Mamaroneck Avenue, used to supply water to a decorative fountain and the Upper Pond. This well is approximately 300-feet deep. The depth of this well suggests that the water table occurs at a substantial depth below land surface and/or that there are few fractures in the bedrock under the site through which groundwater can move. A deep well was therefore installed (as an in ground cistern) to obtain sufficient water for operation of the fountain and pond. If the former assumption is true, any chemicals present in the soil above the bedrock would need to travel that substantial distance before encountering the water table. In the time and distance it would take to reach the water table, those chemicals would undergo dispersion and degradation. If the latter assumption is true, there is little groundwater under the site and a viable drinking water supply could not be be developed. In either case there is no basis for strictly applying the TAGM-4046 guidelines to the environmental and geological condition shown to exist at this site.

In either of these two cases, because of the complexity of the groundwater system, a practical assessment of potential groundwater impacts was conducted i.e., by examining leachable chemical concentrations, rather than by relying on a model and cleanup guidelines developed for an unconsolidated flow system. As discussed above, we conducted as part of

these investigations representative TCLP testing of the soil. This testing demonstrated that the PAHs (and metals) contained in the soil at the site are not mobile. In fact, PAH concentrations in the TCLP extract meet 6 NYCRR Part 703 Groundwater Standards. It is therefore not possible for contaminants present in the soil at the 500 Mamaroneck Avenue site to leach into the groundwater in concentrations above the NY State standards. In addition, the TCLP extraction procedure is significantly more aggressive than either rain or snow melts in leaching contaminants from the soil. Any contaminants mobilized by infiltration would necessarily be at lower concentrations than observed in the TCLP testing (Reference).

As further proof of this condition, the PAH's at this site, came from incinerator activity commencing in 1954, over 45 years ago. Yet the groundwater tests show that chemicals have not reached groundwater in that substantial time frame. It is therefore not reasonable to assume that chemicals will not reach groundwater in the future.

It must therefore be concluded that the PAHs present in the 500 Mamaroneck Avenue soils will not impact groundwater in concentrations above groundwater/drinking water quality standards, even though PAH soil concentrations are above TAGM-4046 levels. This conclusion is supported by the groundwater analysis reported in Section 3, which found the groundwater from the on-site supply well to be uncontaminated.

5.2 *SOIL EXCAVATION COST ESTIMATE*

Setting aside the analysis set forth above on the inapplicability and inappropriateness of the TAGM-4046 to this particular site, we have undertaken to analyze the potential cost of soil excavation to determine the appropriateness of this remedy for the site from a cost effectiveness

and environmental benefit analysis. A rough order of magnitude cost estimate to remove the PAH contaminated soil at 500 Mamaroneck Avenue was calculated. We assumed soil in each of the three contaminated AOCs (AOC-1, AOC-3 and AOC-4) and semi-circular area defined by borings ERM 44 through ERM-47 (interior south parking lot)would be removed to bedrock. Soil from the southern berm would also be removed to the depth of the contamination observed during the Remediation Investigation Site Assessment, approximately 11-feet bgl. In addition, sediments would be removed from the Upper and Lower Pond and the northeastern catch basin.

The volume of soil to be removed was based on the bedrock depths in each AOC determined by the geophysical investigation and the surface elevations obtained from the latest survey. Included in the cost estimate were costs for, project oversight, equipment and equipment operators, backfill, landscaping, pavement, disposal and applicable taxes. No costs were included for soil sampling to confirm that contaminants had been removed and no contingency costs were included for larger excavations. The estimated clean up costs are at least:

AOC-1	$ 278,000
AOC-3	$ 470,000
AOC-4	$ 230,000
South Berm	$ 527,000
Interior South Parking Lot	$ 121,000
Ponds & Basin	$ 9,000
GRAND TOTAL	**$1,635,000**

Although this is not a Federal Superfund site either legally or in degree of risk to human health and the environment, the guidance on the selection of appropriate remedial alternatives from the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA [or Superfund]) and the National Oil and Hazardous Substances Contingency

Plan (NCP) was reviewed for guidance on appropriate site remediation criteria. Two of the principal considerations in selecting a Remediation under Superfund are:

- Protection of Human Health and the Environment and
- Cost Effectiveness.

Based on actual testing of soil material the PAHs contained in the soil at 500 Mamaroneck Avenue do not leach and are therefore not a threat to groundwater. There are no direct exposure pathways, such as direct contact and ingestion because the paving and vegetative cover prevent contact or ingestion of the soil. In fact, excavation and removal of the PAH contaminated soil could create exposure pathways where none currently exist. Excavation will create a direct contact pathway because the pavement will have to be removed to reach the PAH contaminated soil and potentially create an air exposure pathway if PAH contaminated soil becomes airborne. Therefore protection of human health and the environment does not require excavation.

In terms of cost effectiveness, remedial alternatives that have costs that are "grossly excessive compared to [their] overall effectiveness" should be screened out of consideration (Reference). Removing PAH contaminated soil at 500 Mamaroneck Avenue to attempt to meet TAGM-4046 Recommended Clean up Goals, the excavation will simply transfer the chemicals from this site to another location where it will potentially create new and greater environmental risks. This would appear to be an unnecessary expense and risk based on the TCLP testing and the groundwater monitoring showing that the PAHs are not mobile and have not impacted groundwater, despite being present at the site for more than 45 years. The 1.6 million-dollar excavation costs therefore appears "grossly excessive" compared to the overall effectiveness and necessity of this remedy.

5.3 *VOLUNTARY CLEANUP PLAN CONSIDERATIONS AND RECOMMENDATIONS*

Volunter MMA and current owner have expended significant monies and effort on the investigation and evaluation of the environmental conditions at the site. Their efforts have defined the nature and extent of the contamination at the site. MMA has demonstrated the lack of exposure pathways and the limited risk presented by the site in view of the current and contemplated future uses of the site.

The remedial analysis and cost effectiveness calculations suggest that an appropriate remedy under the VCA may be institutional controls such as the filing of a deed restriction for the site. Other potential controls may includethe development of a long-term maintenance plan. If necessary, thedeed restriction could limit use of the property to the uses contemplated under the VCA and require notification to NYSDEC if the site is to be redeveloped for other uses. As long as the asphalt pavement and vegetative cover are maintained at the site, there will be no direct contact or inhalation exposure pathway.

A long term maintenance plan could address continued maintenance of the asphalt parking area and vegetative cover, especially along the southern berm. The plan could also address the precautions, which will be required if the reconstruction or reconfiguration of AOC-1, AOC-3, AOC-4, the southern berm or the interior of the southern parking lot is undertaken. Finally, the plan may include biennial collection of groundwater samples (at wet and dry seasons) to confirm that the PAHs do not impact groundwater. If PAH impacts are not detected after 1-year's sampling, sampling would be discontinued.

The contemplated uses and the above analyses indicating lack of exposure and limited risk, in conjunction with the fact that this project is being

handled under the NY State Voluntary Cleanup program, provides sufficient basis for not requiring the Volunteer to undertake additional remedial measures in this matter. The Volunteer, MMA, a past owner and operator of the facility, was not responsible for the present environmental conditions at the site. In the work performed to date and the possible institutional controls suggested, the extent of obligation envisioned by the Voluntary Cleanup Program will be met.

Section 6

Section 6

6.0 *REFERENCES*

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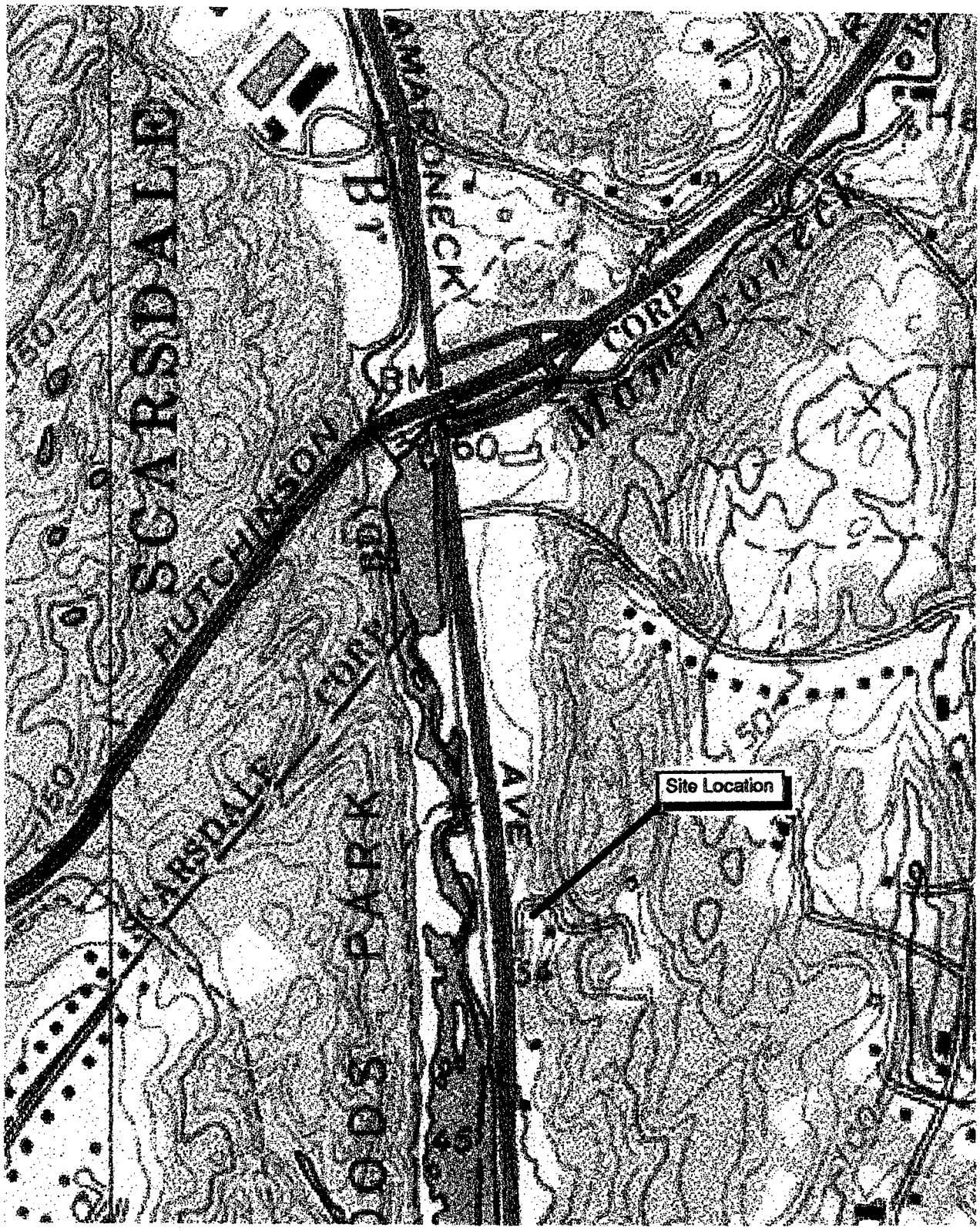
Figures



TITLE

SITE LOCATION MAP

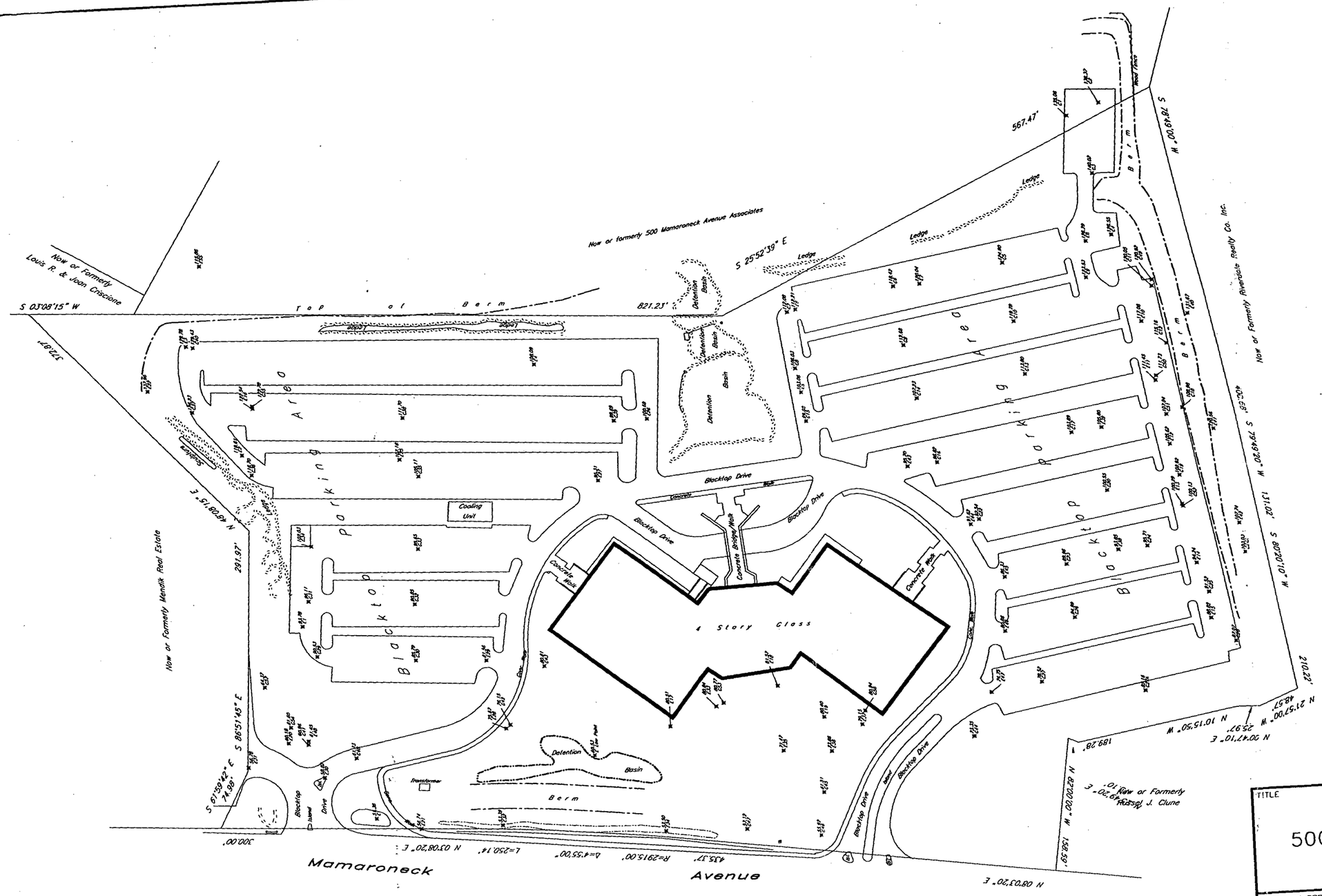
PREPARED FOR

500 MAMARONECK ASSOCIATES

ERM
Environmental Resources Management

SCALE	FIGURE
NONE	1-1

DRAWN	JOB NO.	FILE NAME	DATE
E.M.F.	1454.001		6/18/98



Boring Location Map
prepared for
E.R.M. Corporation
in the Town of
Harrison
Westchester County, N.Y.
Scale 1"=50' August 4, 1999

Ward Carpenter Engineers Inc.
76 Mamaroneck Avenue
White Plains, N.Y. 10601

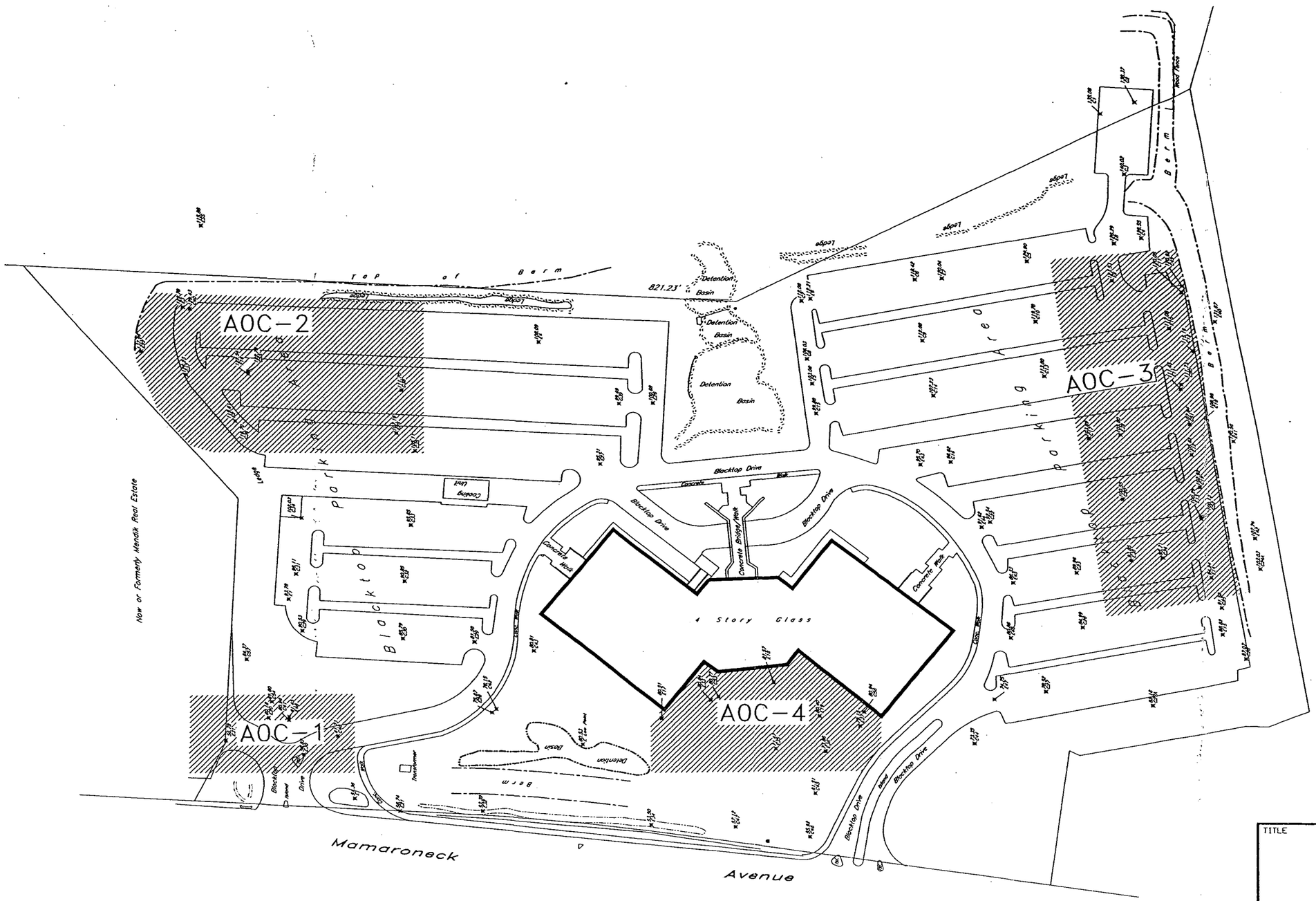
TITLE
SITE PLAN
500 Mamaroneck Avenue

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM
Environmental Resources Management

SCALE	FIGURE
1"=120'	2
DATE	
11/1/99	

DRAWN:	JOB NO.:	FILE NAME:
G.G.	X8101.00.01	14540003



LEGEND

AOC-1 – AREAS OF ADDITIONAL INVESTIGATION

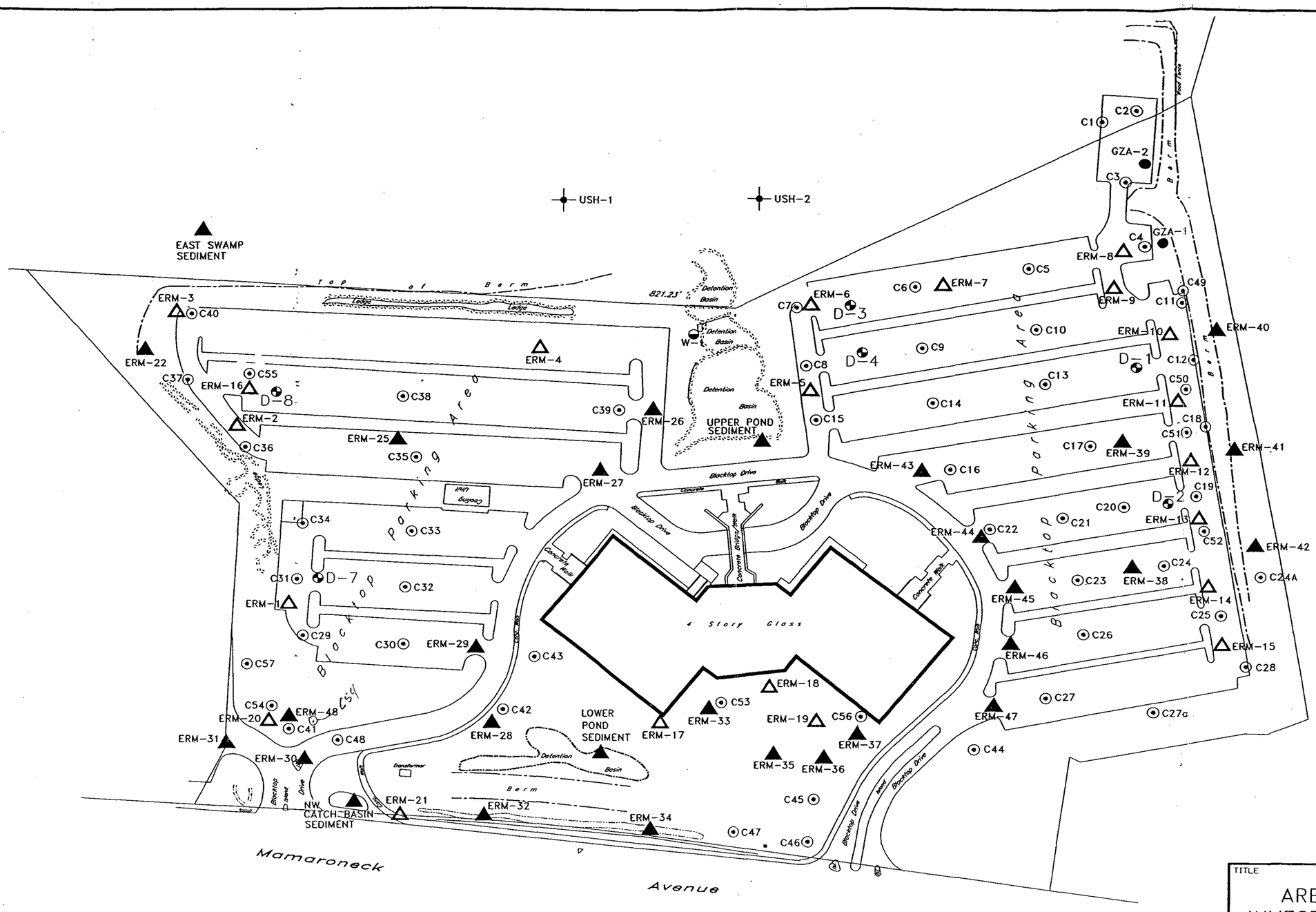
TITLE

AREAS OF ADDITIONAL INVESTIGATION– GEOPHYSICAL SURVEY

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management		SCALE 1"=120'	FIGURE 3
DRAWN: G.G.	JOB NO.: X8101.00.01	FILE NAME: 14540004	DATE 11/1/99



LEGEND

- ▲ ERM-22 –ERM BORING LOCATIONS–1999
- △ ERM-1 –ERM BORING LOCATIONS--1998
- ⊙ C1 –CONECO BORING LOCATIONS
- ◐ D-7 --DAMES & MORE SAMPLING LOCATIONS–1989
- ◒ W-1 –GROUNDWATER SUPPLY WELL
- ● GZA-1 –GZA SAMPLING LOCATIONS – 1986
- USH-1 –US HYDROGEOLOGIC, INC. SAMPLING LOCATIONS

TITLE

AREAS OF ADDITIONAL INVESTIGATION–SOIL BORINGS

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN:	JOB NO.:	FILE NAME:	SCALE	DATE	FIGURE
G.G.	X8101.00.01	14540005	1"=120'	11/1/99	4

Tables

Tables

Table 1-A. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - ERM - May, 1998

Boring		GP-1A	GP-1B	GP-2A	GP-3A	GP-4A	GP-5A	GP-5B	GP-6A	GP-7A	GP-8A	GP-8B	GP-8C	GP-9A	GP-9B	GP-10A
Depth (feet below land surface)		0 - 4	4 - 7.5	0.5 - 2.25	0 - 1.75	0 - 2.25	0 - 3.5	3.5 - 6.5	0 - 1	0.25 - 2.25	0 -3	3 - 6	6 - 8	0 - 3	3 - 5.5	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter																
	Toxicity Characteristic															
RCRA Metals (ug/L)	Standards (ug/l)															
Arsenic	5,000	3.8 U		38 U	38 U				38 U						38 U	
Barium	100,000	**318**		**961**	**681**				**1760**						**1190**	
Cadmium	1,000	2 U		2 U	2 U				2 U						2.5 B	
Chromium	5,000	5 U		5 U	5 U				5 U						5 U	
Lead	5,000	49.6 B		58 B	43 B				27.9 B						**266**	
Mercury	200	2 U		2 U	2 U				2 U						2 U	
Selenium	1,000	39 U		39 U	39 U				39 U						56.1 B	
Silver	5,000	2 U		2 U	2 U				2 U						2 U	
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)															
Aroclor-1016		47 U		37 U	35 U				35 U						38 U	
Aroclor-1221		96 U		74 U	71 U				71 U						76 U	
Aroclor-1232		47 U		37 U	35 U				35 U						38 U	
Aroclor-1242		47 U		37 U	35 U				35 U						38 U	
Aroclor-1248		47 U		37 U	35 U				35 U						22 J	
Arclor-1254		47 U		37 U	35 U				35 U						32 J	
Aroclor-1260		47 U		37 U	35 U				35 U						16 J	
Total PCBs	1, 000 (surface)														70	
Total PCBs	10,000 (subsurface)															
PAHs (ug/Kg)																
Acenaphthene	50,000***	140 U		110 U	420 U				110 U						450 U	
Acenaphthylene	41,000	140 U		110 U	420 U				110 U						450 U	
Anthracene	50,000***	140 U		110 U	420 U				45 J						450 U	
Benzo(a)anthracene	224 or MDL	140 U		**110**	420 U				110 J						450 U	
Benzo(b)fluoranthene	1,100	140 U		**140**	420 U				**120**						450 U	
Benzo(k)fluoranthene	1,100	140 U		110 U	420 U				47 J						450 U	
Benzo(g,h,I)perylene	50,000***	140 U		110 U	420 U				47 J						450 U	
Benzo(a)pyrene	61 or MDL	140 U		61 J	420 U				88 J						450 U	
Chrysene	400	140 U		**150**	420 U				**120**						450 U	
Dibenz(a,h)anthracene	14 or MDL	140 U		110 U	420 U				110 U						450 U	
Fluoranthene	50,000***	140 U		110 U	420 U				110 U						450 U	
Fluorene	50,000***	140 U		110 U	420 U				110 U						450 U	
Indeno(1,2,3-cd)pyrene	3,200	140 U		110 U	420 U				49 J						450 U	
Naphthalene	13,000	140 U		110 U	420 U				110 U						450 U	
Phenanthrene	50,000***	140 U		110 U	420 U				**150**						450 U	
Pyrene	50,000***	140 U		**180**	420 U				**180**						450 U	
2-Methylnaphthalene	36,400															
Immuno Assay (UG/Kg)	MDL															
PAHs	4 ug/Kg	16	142	408	287	142	32	28	407	106	85	41	113	24	23	79
PCBs	500 ug/Kg	ND	ND	5 J	1 J	62 J	ND	ND	105 J	ND	ND	1 J	ND	ND	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1-A. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - ERM - May, 1998

Boring		GP-10B	GP-11A	GP-11A	GP-11B	GP-11C	GP-12A	GP-12A	GP-12B	GP-12B	GP-12B	GP-12C	GP-13A	GP-13A	GP-13C	GP-14A
Depth (feet below land surface)		3 - 6	0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	0 - 3	3 - 6	3 - 6	3 - 6	6 - 7	0 - 3	0 - 3	6 - 7	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter				TCLP				TCLP		Dilution	TCLP			TCLP		
	Toxicity Characteristic															
RCRA Metals (ug/L)	Standards (ug/l)															
Arsenic	5,000		38 U		38 U		38 U		38 U				38 U			
Barium	100,000		**2570**		**1610**		**856**		**900**				**1430**			
Cadmium	1,000		**18.5**		**8.6**		4.6 B		4.2 B				**20**			
Chromium	5,000		5 U		5 U		5 U		5 U				5 U			
Lead	5,000		**1220**		**704**		**178**		**224**				**541**			
Mercury	200		2 U		2 U		2 U		2 U				**2.2**			
Selenium	1,000		39 U		58.5 B		39 U		39 U				39 U			
Silver	5,000		2 U		2 U		2 U		2 U				2 U			
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)															
Aroclor-1016			800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U		
Aroclor-1221			1600 U	2 U	78 U		84 U	2 U	74 U		2 U		67 U	2 U		
Aroclor-1232			800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U		
Aroclor-1242			800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U		
Aroclor-1248			800 U	1 U	**57**		19 J	1 U	**48**		1 U		**48**	1 U		
Arclor-1254			800 U	1 U	38 U		26 J	1 U	**69**		1 U		**69**	1 U		
Aroclor-1260			800 U	1 U	**260**		11 J	1 U	34 J		1 U		34 J	1 U		
Total PCBs	1, 000 (surface)		**4200**		**317**		56		151				151			
Total PCBs	10,000 (subsurface)															
PAHs (ug/Kg)																
Acenaphthene	50,000***		120 U	10 U	120 U		**120**	10 U	**700**	**710** D	4 J		1300	2 J		
Acenaphthylene	41,000		120 U	10 U	120 U		110 J	10 U	**790**	**740** D	10 U		440 J	10 U		
Anthracene	50,000***		120 U	10 U	120 U		**600**	0.2 J	**2200**	**2300** D	0.7 J		**1200**	0.2 J		
Benzo(a)anthracene	224 or MDL		54 J	10 U	46 J		**920**	10 U	**4500**	**5000** D	10 U		**1600**	10 U		
Benzo(b)fluoranthene	1,100		72 J	10 U	83 J		**1100**	10 U	**3800**	**5000** D	10 U		**2600**	10 U		
Benzo(k)fluoranthene	1,100		46 J	10 U	110 J		**440**	10 U	**1800**	**1500** D	10 U		**910**	10 U		
Benzo(g,h,I)perylene	50,000***		120 U	10 U	120 U		**260**	10 U	**650**	**930** D	10 U		340 J	10 U		
Benzo(a)pyrene	61 or MDL		60 J	10 U	43 J		**830**	10 U	**2900**	**3800** D	10 U		**1200**	10 U		
Chrysene	400		**160**	10 U	82 J		**1100**	10 U	**4500**	**6000** D	10 U		**2300**	10 U		
Dibenz(a,h)anthracene	14 or MDL		120 U	10 U	120 U		120 U	10 U	**250**	150 JD	10 U		440 U	10 U		
Fluoranthene	50,000***		120 U	10 U	98 J		**1800**	10 U	**6500** E	**7800** D	0.8 J		440 U	0.6 J		
Fluorene	50,000***		120 U	10 U	120 U		**210**	10 U	**1400**	**1500** D	2 J		**730**	0.7 J		
Indeno(1,2,3-cd)pyrene	3,200		120 U	10 U	120 U		**290**	10 U	**860**	**1200** D	10 U		400 J	10 U		
Naphthalene	13,000		120 U	10 U	120 U		60 J	10 U	**1000**	**1200** D	10 U		440 U	10 U		
Phenanthrene	50,000***		93 J	10 U	120 U		**1300**	0.9 J	**4700**	**5500** D	4 J		**2000**	0.8 J		
Pyrene	50,000***		92 J	10 U	81 J		**1500**	10 U	**6200** E	**6700** D	0.7 J		440 U	0.4 J		
2-Methylnaphthalene	36,400															
Immuno Assay (UG/Kg)	MDL															
PAHs	4 ug/Kg	69	55		122	132	370		332			170	332		156	57
PCBs	500 ug/Kg	ND	323 J		162 J	82 J	105 J		45 J			82 J	62 J		1 J	11 J

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 2
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1-A. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - ERM - May, 1998

Boring		GP-15A	GP-16A	GP-17A/B	GP-17B/C	GP-17D/E	GP-18A/B	GP-18C/D	GP-18D/E	GP-19A/B	GP-19B/C	GP-19D/E/F	GP-20A	GP-20B	GP-21A	GP-21B
Depth (feet below land surface)		0 - 2	0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 12	0 - 3	3 - 6	0 - 3	3 - 6
Date Sampled		12-May-98	26-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	26-May-98	26-May-98	26-May-98	26-May-98
Parameter	Toxicity Characteristic Standards (ug/l)															
RCRA Metals (ug/L)																
Arsenic	5,000										300 U	300 U	300 U		300 U	
Barium	100,000										**1050**	**1070**	**1320**		**1820**	
Cadmium	1,000										**5.8**	5 U	**6.1**		**55.6**	
Chromium	5,000										**11**	**15.7**	10 U		10 U	
Lead	5,000										**311**	**104**	**653**		**588**	
Mercury	200										2 U	2 U	2 U		2 U	
Selenium	1,000										500 U	500 U	500 U		500 U	
Silver	5,000										10 U	10 U	10 U		10 U	
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)															
Aroclor-1016											33 U	33 U	33 U		33 U	
Aroclor-1221											67 U	67 U	67 U		67 U	
Aroclor-1232											33 U	33 U	33 U		33 U	
Aroclor-1242											33 U	33 U	33 U		33 U	
Aroclor-1248											22 J	24 J	33 U		21 J	
Arclor-1254											**42**	**74**	33 U		**62**	
Aroclor-1260											20 J	**50**	11 J		36 J	
Total PCBs	1, 000 (surface)										84	148	11		119	
Total PCBs	10,000 (subsurface)															
PAHs (ug/Kg)																
Acenaphthene	50,000***										100 J	5500 J	49 J		38 J	
Acenaphthylene	41,000										81 J	330 U	24 J		330 U	
Anthracene	50,000***										150 J	**12000**	220 J		89 J	
Benzo(a)anthracene	224 or MDL										**560**	**13000**	**920**		290 J	
Benzo(b)fluoranthene	1,100										**840**	5700 J	**740**		210 J	
Benzo(k)fluoranthene	1,100										**600**	5500 J	**700**		230 J	
Benzo(g,h,I)perylene	50,000***										280 J	7000 J	280 J		230 J	
Benzo(a)pyrene	61 or MDL										**1000**	**9700**	**850**		260 J	
Chrysene	400										**680**	**13000**	**1100**		300 J	
Dibenz(a,h)anthracene	14 or MDL										300 J	5400 J	300 J		260 J	
Fluoranthene	50,000***										**1000**	**22000**	**1500**		**450**	
Fluorene	50,000***										78 J	7000 J	66 J		37 J	
Indeno(1,2,3-cd)pyrene	3,200										400 J	7400 J	380 J		310 J	
Naphthalene	13,000										32 J	4400 J	330 U		330 U	
Phenanthrene	50,000***										350 J	**42000**	**860**		320 J	
Pyrene	50,000***										**1300**	**30000**	**1300**		370 J	
2-Methylnaphthalene	36,400										330 U	3900 J	330 U		330 U	
Immuno Assay (UG/Kg)	MDL															
PAHs	4 ug/Kg	89	140	222	42	26	36	16	8	19	888	494	618	444	244	7
PCBs	500 ug/Kg	ND	ND	ND	3 J	12 J	ND	90 J	42 J	121 J	ND	121 J	ND	247 J	63 J	42

‡ January 1994

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, ‡
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

TABLE 1-B-1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs), Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-3 2'-4'	B-4 4'-6'	B-9 0'-1'	B-10 6'-8'	B-13 12-16	B-15 0'-1'	B-19 2'-4'	B-21 0'-3'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	B-41 0'-4'	B-1 2'-4'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	1.5	ND	1.0	ND	130	ND	ND
Benzo(a)anthrecene	0.73	ND	ND	ND	ND	ND	6.3	1.2	1.9	ND	150	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	10	1.3	1.2	ND	91	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	5.1	1.3	1.8	ND	95	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	3.9	ND	0.77	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	10	1.4	2.2	ND	130	ND	ND
Chrysene	0.84	ND	ND	ND	ND	ND	7.8	1.4	2.1	ND	150	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Fluoranthene	2.0	ND	ND	ND	ND	ND	18	3.4	9.5	ND	670	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	0.79	ND	0.86	ND	180	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	0.76	ND	74	ND	ND
Phenanthrene	1.0	ND	ND	ND	ND	ND	6	2.0	7.6	ND	640	ND	ND
Pyrene	1.9	ND	ND	ND	ND	ND	19	3.9	6.7	ND	460	0.7	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	ND	ND
Total CPAHs ppm =	**6.47**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**93.89**	**15.9**	**36.39**	**0.0**	**2,784**	**0.7**	**0.0**

* = black tar-like material

As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 1-B-1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs) Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-49 0'-4'	B-50 0'-4'	B-50 4'-8'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthrecene	0.88	ND	ND	1.7	1.6	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	1.8	1.6	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	1.0	ND	ND	2.0	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	1.7	1.5	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.2	ND	ND	1.8	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3.0	ND	ND	3.6	4.0	ND	ND	ND	ND	3.0	0.9	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1.8	ND	ND	2.3	3.4	ND	ND	ND	ND	2.2	0.72	ND	ND	ND	ND	ND	ND
Pyrene	2.5	ND	ND	4.0	4.0	ND	ND	ND	ND	2.4	0.77	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CPAHs ppm =	**11.48**	**0.0**	**0.0**	**18.9**	**21.02**	**0.0**	**0.0**	**0.0**	**0.0**	**11.47**	**2.39**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 1-B-2 Polychlorinated Biphenyls (PCBs) ConecoSoil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-18 0'-4'	B-19 2'-4'	B-24 0'-3'	B-28 4'-6'	B-24A 8'-10'	B-39 0'-4'	B-35 4'-7'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	1.2 ppm	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

* = black tar-like material

TABLE 1-B-2 Polychlorinated Biphenyls (PCBs) Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-50 4'-5.5'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	0.9 ppm	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 1-B-2 Polychlorinated Biphenyls (PCBs) Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY

PCBs ppm	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	0.160 ppm	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 1-B-3 Target Analyte List (TAL) METALS Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

TAL Metals ppm	B-3 2'-4'	B-18 0'-4'	B-19 2'-4'	B-31 0'-2'	B-41 4'-6'	B-28 4'-6'	B-39 0'-4'	B-47 0'-3'	B-48 4'-6'	B-41* 5'	Eastern USA SB	NYDEC TAGM
Silver	0.87	2.6	0.63	BQL	BQL	BQL	BQL	BQL	BQL	0.60	N/A	SB
Aluminum	9,900	9,100	8,800	16,000	16,000	11,000	15,000	13,000	15,000	17,000	33,000	SB
Arsenic	BQL	BQL	BQL	BQL	7.8	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	87	290	110	300	260	240	270	190	230	190	15-600	300 or SB
Beryllium	0.51	0.69	0.51	0.73	0.88	0.48	0.72	0.54	0.59	0.68	0-1.75	0.16 (HEAST) or SB
Calcium	13,000	11,000	7100	5,500	11,000	6700	7,000	5,500	5,500	4,700	130-35,000***	SB
Cadmium	4.8	16	6.2	8.2	17	5.4	9.8	6.7	7.4	7.3	0.1-1	1 or SB
Cobalt	7.1	4.3	7.7	13	11	7.0	13	11	12	11	2.5-60**	30 or SB
Chromium	26.0	26	18.0	72	49	27	76	65	65	56	1.5-40**	10 or SB
Copper	22.0	230	110	26	120	27	61	23	26	21	1-50	25 or SB
Iron	15,000	50,000	20,000	28,000	55,000	17,000	31,000	23,000	26,000	24,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	0.78	BQL	BQL	1.7	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	2900	670	3300	12,000	5,000	3,000	12,000	10,000	10,000	7,600	8,500-43,000	SB
Magnesium	12,000	1,400	3600	15,000	7,500	6600	15,000	12,000	13,000	11,000	100-5,000	SB
Manganese	250	340	260	410	410	310	400	330	400	300	50-5,000	SB
Sodium	3700	2,200	1400	1,400	270	270	510	130	210	180	6,000-8,000	SB
Nickel	13.0	18	15.0	28	30	15	31	26	24	23	0.5-25	13 or SB
Lead	27.0	910	71	21	540	470	62	17	9	21	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	25.0	11	23.0	51	38	30	52	43	48	45	1-300	150 or SB
Zinc	56.0	670	340	79	370	200	150	62	49	65	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

* = black tar-like material N|A = Not Available

TABLE 1-B-3 Target Analyte List (TAL) METALS Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-51 0'-4'	B-51 4'-6.5	B-52 0'-4'	B-52 4'-7'	B-53 0'-4	B-53 4'-8'	Eastern USA SB	NYDEC TAGM
Silver	BQL	1.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	12,000	7,200	13,000	7,700	7,300	12,000	15,000	11,000	14,000	33,000	SB
Arsenic	12	12	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	250	670	170	75	170	180	79	120	140	15-600	300 or SB
Beryllium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.55	BQL	0-1.75	0.16 (HEAST) or SB
Calcium	7,300	17,000	6,400	20,000	18,000	13,000	1,300	3,300	3,400	130-35,000***	SB
Cadmium	12	39	15	6.2	8	15	5.4	6.6	7.2	0.1-1	1 or SB
Cobalt	11	10	12	6.7	5.71	12	7.8	8.7	11	2.5-60**	30 or SB
Chromium	42	130	52	16	20	39	29	30	41	1.5-40**	10 or SB
Copper	280	380	160	24	54	120	14	45	24	1-50	25 or SB
Iron	33,000	93,000	43,000	18,000	23,000	45,000	17,000	19,000	22,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	5,000	750	5,500	2,100	1,600	3,700	1,200	2,900	5,000	8,500-43,000	SB
Magnesium	7,400	2,100	9,900	4,600	3,000	7,000	5,500	6,000	8,000	100-5,000	SB
Manganese	420	700	480	330	320	460	140	340	360	50-5,000	SB
Sodium	980	810	2,000	710	830	560	360	55	82	6,000-8,000	SB
Nickel	23	72	27	12	14	27	12	17	20	0.5-25	13 or SB
Lead	790	1,400	170	120	1,000	200	11	43	27	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	46	24	40	21	17	40	30	30	39	1-300	150 or SB
Zinc	380	2,000	270	96	460	290	43	80	62	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

N|A = Not Available

TABLE 1-B-3 Target Analyte List (TAL) METALS Coneco Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'.	B-57 0'-3'	S-5 SB	Eastern USA SB	NYDEC TAGM
Silver	BQL	0.76	5.6	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	14,000	8,000	5,500	6,800	16,000	11,000	15,000	13,000	16,000	33,000	SB
Arsenic	BQL	9.5	17	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	190	250	260	66	150	160	230	220	120	15-600	300 or SB
Beryllium	BQL	0.92	BQL	0.42	0.82	0.78	0.59	0.60	0.87	0-1.75	0.16 (HEAST) or SB
Calcium	24,000	9,900	19,000	13,000	2,300	3,500	4,800	12,000	390	130-35,000***	SB
Cadmium	7.6	24	35	5.4	8.2	13	9.4	10	6.9	0.1-1	1 or SB****
Cobalt	11	10	15	5.7	11	11	14	11	6.5	2.5-60**	30 or SB
Chromium	61	34	43	13	53	38	65	56	33	1.5-40**	10 or SB
Copper	25	200	1,600	18	23	62	28	84	9.2	1-50	25 or SB
Iron	23,000	56,000	94,000	16,000	24,000	39,000	28,000	29,000	18,000	2,000-555,000	2000 or SB
Mercury	BQL	0.78	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	8,400	1,700	700	1,300	2,600	3,800	11,000	8,900	430	8,500-43,000	SB
Magnesium	15,000	3,800	1,000	6,400	8,200	6,600	13,000	15,000	3,800	100-5,000	SB
Manganese	340	550	900	290	540	560	420	400	280	50-5,000	SB
Sodium	170	230	990	130	44	59	97	260	0.00	6,000-8,000	SB
Nickel	26	49	56	10	22	23	24	24	11	0.5-25	13 or SB
Lead	31	450	780	45	39	150	23	72	14	****	SB****
Antimony	BQL	BQL	BQL	BQ	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	43	70	11	18	41	34	53	45	31	1-300	150 or SB
Zinc	70	1,700	1,200	59	80	180	63	160	36	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10.0 ppm and Chromium to 50 ppm.**

N|A = Not Available

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-42B/C (2-6 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-17	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKKX		VBLKKW		VBLKKW		VBLKKW		VBLKKX		VBLKKW	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			11	U	11	U	11	U	11	U	10	U	11	U
Bromomethane			11	U	11	U	11	U	11	U	10	U	11	U
Vinyl Chloride	200	2	11	U	11	U	11	U	11	U	10	U	11	U
Chloroethane	1,900	50	11	UJ	11	U	11	U	11	U	10	UJ	11	U
Methylene Chloride	100	5	11	U	11	U	11	U	11	U	10	U	11	U
Acetone	200	50	110	BJ	26	UJ	83	BJ	56	UJ	13	UJ	11	UJ
Carbon Disulfide	2,700	50	1	J	.5	J	.5	J	11	U	10	U	11	U
1,1-Dichloroethene	400	5	11	U	11	U	11	U	11	U	10	U	11	U
1,1-Dichloroethane	200	5	11	U	11	U	11	U	11	U	10	U	11	U
1,2-Dichloroethene (total)	300	5	11	U	11	U	11	U	11	U	10	U	11	U
Chloroform	300	7	11	U	11	U	11	U	11	U	10	U	11	U
1,2-Dichloroethane	100	5	11	U	11	U	11	U	11	U	10	U	11	U
2-Butanone	300	50	17	UJ	11	UJ	17	U	11	U	10	UJ	11	U
1,1,1-Trichloroethane	800	5	11	U	11	U	11	U	11	U	10	U	11	U
Carbon Tetrachloride	600	5	11	UJ	11	UJ	11	UJ	11	UJ	10	UJ	11	UJ
Bromodichloromethane			11	U	11	U	11	U	11	U	10	U	11	U
1,2-Dichloropropane			11	U	11	U	11	U	11	U	10	U	11	U
cis-1,3-Dichloropropene			11	U	11	U	11	U	11	U	10	U	11	U
Trichloroethene	700	5	2	J	11	UJ	11	U	11	U	1	J	11	U
Dibromochloromethane			11	U	11	U	11	U	11	U	10	U	11	U
1,1,2-Trichloroethane			11	U	11	U	11	U	11	U	10	U	11	U
Benzene	60	1	.6	J	11	UJ	11	U	11	U	.3	J	11	U
trans-1,3-Dichloropropene			11	U	11	U	11	U	11	U	10	U	11	U
Bromoform			11	U	11	U	11	U	11	U	10	U	11	U
4-Methyl-2-Pentanone	1,000	50	11	UJ	11	U	11	U	11	U	10	UJ	11	U
2-Hexanone			11	UJ	11	U	11	U	11	U	10	UJ	11	U
Tetrachloroethene	1,400	5	11	U	11	U	11	U	11	U	10	U	11	U
1,1,2,2-Tetrachloroethane	600	5	11	U	11	U	11	U	11	U	10	U	11	U
Toluene	1,500	5	.4	J	11	UJ	11	U	11	U	10	U	11	U
Chlorobenzene	1,700	5	11	U	11	U	11	U	11	U	10	U	11	U
Ethylbenzene	5,500	5	11	U	11	U	11	U	11	U	10	U	11	U
Styrene			11	U	11	U	11	U	11	U	10	U	11	U
Xylene (total)	1,200	5	11	U	11	U	11	U	11	U	10	U	11	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)		GP-46A (0-2.5 BLS)		GP-47A (0-0.5 BLS)		FIELD BLANK-1	
Lab Sample ID	TAGM 4046		991556A-18		991556A-19		991556A-20		991556A-21		991556A-22		991556A-24	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKKW		VBLKKX		VBLKKW		VBLKKW		VBLKKW		VBLKMH	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L	
Compounds														
Chloromethane			11	U	11	U	11	U	11	U	11	U	10	U
Bromomethane			11	U	11	U	11	U	11	U	11	U	10	U
Vinyl Chloride	200	2	11	U	11	U	11	U	11	U	11	U	10	U
Chloroethane	1,900	50	11	U	11	UJ	11	U	11	U	11	U	10	U
Methylene Chloride	100	5	11	U	11	U	11	U	11	U	11	U	.5	J
Acetone	200	50	30	UJ	37	BJ	25	UJ	17	UJ	20	UJ	2	JB
Carbon Disulfide	2,700	50	.3	J	1	J	11	U	11	U	11	U	10	U
1,1-Dichloroethene	400	5	11	U	11	U	11	U	11	U	11	U	10	U
1,1-Dichloroethane	200	5	11	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethene (total)	300	5	11	U	11	U	11	U	11	U	11	U	10	U
Chloroform	300	7	11	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethane	100	5	11	U	11	U	11	U	11	U	11	U	10	U
2-Butanone	300	50	11	U	11	UJ	11	U	11	U	11	U	2	JB
1,1,1-Trichloroethane	800	5	11	U	11	U	11	U	11	U	11	U	10	U
Carbon Tetrachloride	600	5	11	UJ	11	UJ	11	UJ	11	UJ	11	UJ	10	UJ
Bromodichloromethane			11	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloropropane			11	U	11	U	11	U	11	U	11	U	10	U
cis-1,3-Dichloropropene			11	U	11	U	11	U	11	U	11	U	10	U
Trichloroethene	700	5	11	U	3	J	11	U	11	U	11	U	10	U
Dibromochloromethane			11	U	11	U	11	U	11	U	11	U	10	U
1,1,2-Trichloroethane			11	U	11	U	11	U	11	U	11	U	10	U
Benzene	60	1	11	U	.9	J	11	U	11	U	11	U	10	U
trans-1,3-Dichloropropene			11	U	11	U	11	U	11	U	11	U	10	U
Bromoform			11	U	11	U	11	U	11	U	11	U	10	U
4-Methyl-2-Pentanone	1,000	50	11	U	11	UJ	11	U	11	U	11	U	10	U
2-Hexanone			11	U	11	UJ	11	U	11	U	11	U	10	U
Tetrachloroethene	1,400	5	11	U	11	U	11	U	11	U	11	U	.5	J
1,1,2,2-Tetrachloroethane	600	5	11	U	11	U	11	U	11	U	11	U	10	U
Toluene	1,500	5	11	U	.4	J	11	U	.4	J	.4	J	10	U
Chlorobenzene	1,700	5	11	U	11	U	11	U	11	U	11	U	10	U
Ethylbenzene	5,500	5	11	U	11	U	11	U	11	U	11	U	.2	J
Styrene			11	U	11	U	11	U	11	U	11	U	10	U
Xylene (total)	1,200	5	11	U	11	U	11	U	11	U	11	U	.5	JB

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			TRIP BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-25		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKMH		VBLKKX		VBLKKX		VBLKKX		VBLKKX		VBLKKZ	
Units	ug/Kg	ug/L	ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			10	U	11	U	11	U	11	U	11	U	10	U
Bromomethane			10	U	11	U	11	U	11	U	11	U	10	U
Vinyl Chloride	200	2	10	U	11	U	11	U	11	U	11	U	10	U
Chloroethane	1,900	50	10	U	11	UJ	11	UJ	11	UJ	11	UJ	10	U
Methylene Chloride	100	5	.5	J	11	U	11	UJ	11	U	11	U	10	U
Acetone	200	50	2	JB	130	BJ	54	BJ	38	BJ	26	UJ	36	UJ
Carbon Disulfide	2,700	50	10	U	2	J	11	U	11	U	11	U	10	U
1,1-Dichloroethene	400	5	10	U	11	U	11	U	11	U	11	U	10	U
1,1-Dichloroethane	200	5	10	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethene (total)	300	5	10	U	11	U	11	U	11	U	11	U	10	U
Chloroform	300	7	10	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloroethane	100	5	10	U	11	U	11	U	11	U	11	U	10	U
2-Butanone	300	50	10	U	24	BJ	11	UJ	11	UJ	11	UJ	5	J
1,1,1-Trichloroethane	800	5	10	U	11	U	11	U	11	U	11	U	10	U
Carbon Tetrachloride	600	5	10	UJ	11	UJ	11	UJ	11	UJ	11	UJ	10	UJ
Bromodichloromethane			10	U	11	U	11	U	11	U	11	U	10	U
1,2-Dichloropropane			10	U	11	U	11	U	11	U	11	U	10	U
cis-1,3-Dichloropropene			10	U	11	U	11	U	11	U	11	U	10	U
Trichloroethene	700	5	10	U	2	J	0.7	J	0.3	J	0.8	J	10	U
Dibromochloromethane			10	U	11	U	11	U	11	U	11	U	10	U
1,1,2-Trichloroethane			10	U	11	U	11	U	11	U	11	U	10	U
Benzene	60	1	10	U	1	J	11	U	11	U	11	U	10	U
trans-1,3-Dichloropropene			10	U	11	U	11	U	11	U	11	U	10	U
Bromoform			10	U	11	U	11	U	11	U	11	U	10	U
4-Methyl-2-Pentanone	1,000	50	10	U	11	U	11	UJ	11	UJ	11	UJ	10	UJ
2-Hexanone			10	U	11	U	11	UJ	11	UJ	11	UJ	10	UJ
Tetrachloroethene	1,400	5	.4	J	11	U	11	U	11	U	11	U	10	U
1,1,2,2-Tetrachloroethane	600	5	10	U	11	U	11	UJ	11	UJ	11	UJ	10	UJ
Toluene	1,500	5	10	U	.6	J	11	U	11	U	11	U	10	U
Chlorobenzene	1,700	5	10	U	11	U	11	U	.2	J	11	U	10	U
Ethylbenzene	5,500	5	10	U	11	U	11	U	11	U	11	U	10	U
Styrene			10	U	11	U	11	U	11	U	11	U	10	U
Xylene (total)	1,200	5	10	U	11	U	11	U	11	U	11	U	10	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-28C (4-5 BLS)		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2	
Lab Sample ID	TAGM 4046		991556B-09		991556B-10		991556B-11		991556B-13		991556B-15		991556B-16	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKKX		VBLKKX		VBLKKX		VBLKKZ		VBLKKZ		VBLKKZ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			11	U	10	U	11	U	11	U	12	U	11	U
Bromomethane			11	U	10	U	11	U	11	U	12	U	11	U
Vinyl Chloride	200	2	11	U	10	U	11	U	11	U	12	U	11	U
Chloroethane	1,900	50	11	UJ	10	UJ	11	UJ	11	U	12	U	11	U
Methylene Chloride	100	5	11	U	10	U	11	U	11	U	12	U	11	UJ
Acetone	200	50	200	BJ	34	BJ	32	BJ	16	UJ	12	UJ	11	UJ
Carbon Disulfide	2,700	50	0.6	J	0.8	J	0.6	J	11	U	12	U	11	U
1,1-Dichloroethene	400	5	11	U	10	U	11	U	11	U	12	U	11	U
1,1-Dichloroethane	200	5	11	U	10	U	11	U	11	U	12	U	11	U
1,2-Dichloroethene (total)	300	5	11	U	10	U	11	U	11	U	12	U	11	U
Chloroform	300	7	11	U	10	U	11	U	11	U	12	U	11	U
1,2-Dichloroethane	100	5	11	U	10	U	11	U	11	U	12	U	11	U
2-Butanone	300	50	16	BJ	10	UJ	11	UJ	3	J	12	UJ	3	J
1,1,1-Trichloroethane	800	5	11	U	10	U	11	U	11	U	12	U	11	U
Carbon Tetrachloride	600	5	11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
Bromodichloromethane			11	U	10	U	11	U	11	U	12	U	11	U
1,2-Dichloropropane			11	U	10	U	11	U	11	U	12	U	11	U
cis-1,3-Dichloropropene			11	U	10	U	11	U	11	U	12	U	11	U
Trichloroethene	700	5	11	U	0.8	J	0.4	J	11	U	12	U	11	UJ
Dibromochloromethane			11	U	10	U	11	U	11	U	12	U	11	U
1,1,2-Trichloroethane			11	U	10	U	11	U	11	U	12	U	11	U
Benzene	60	1	11	U	0.3	J	11	U	11	U	12	U	11	U
trans-1,3-Dichloropropene			11	U	10	U	11	U	11	U	12	U	11	U
Bromoform			11	U	10	U	11	U	11	U	12	U	11	U
4-Methyl-2-Pentanone	1,000	50	11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
2-Hexanone			11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
Tetrachloroethene	1,400	5	11	U	10	U	11	U	11	U	12	U	11	U
1,1,2,2-Tetrachloroethane	600	5	11	UJ	10	UJ	11	UJ	11	UJ	12	UJ	11	UJ
Toluene	1,500	5	11	U	10	U	11	U	11	U	12	U	11	U
Chlorobenzene	1,700	5	11	U	10	U	11	U	11	U	12	U	11	U
Ethylbenzene	5,500	5	11	U	10	U	11	U	11	U	12	U	11	U
Styrene			11	U	10	U	11	U	11	U	12	U	11	U
Xylene (total)	1,200	5	11	U	10	U	11	U	11	U	12	U	11	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			FIELD BLANK-2		TRIP BLANK-2		GP-31C (4-6 BLS)		GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)	
Lab Sample ID	TAGM 4046		991556B-17		991556B-18		991556C-03		991556C-05		991556C-06		991556C-07	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKM5		VBLKM5		VBLKK1		VBLKKZ		VBLKK1		VBLKK1	
Units	ug/Kg	ug/L	ug/L		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			10	U	10	U	12	U	11	U	11	U	12	U
Bromomethane			10	U	10	U	12	U	11	U	11	U	12	U
Vinyl Chloride	200	2	10	U	10	U	12	U	11	U	11	U	12	U
Chloroethane	1,900	50	10	U	10	U	12	UJ	11	UJ	11	UJ	12	UJ
Methylene Chloride	100	5	0.9	JB	0.8	JB	12	U	11	U	11	UJ	12	U
Acetone	200	50	3	JB	2	JB	75	UJ	25	UJ	11	UJ	150	BJ
Carbon Disulfide	2,700	50	10	U	10	U	0.8	J	11	UJ	11	UJ	2	J
1,1-Dichloroethene	400	5	10	U	10	U	12	U	11	U	11	U	12	U
1,1-Dichloroethane	200	5	10	U	10	U	12	U	11	U	11	U	12	U
1,2-Dichloroethene (total)	300	5	10	U	10	U	12	U	11	U	11	U	12	U
Chloroform	300	7	10	U	10	U	12	U	11	U	11	U	12	U
1,2-Dichloroethane	100	5	10	U	10	U	2	J	11	U	11	U	12	U
2-Butanone	300	50	10	U	10	U	15	J	2	J	11	UJ	22	J
1,1,1-Trichloroethane	800	5	10	UJ	10	UJ	12	U	11	U	11	U	12	U
Carbon Tetrachloride	600	5	10	UJ	10	UJ	12	UJ	11	UJ	11	UJ	12	UJ
Bromodichloromethane			10	U	10	U	12	U	11	U	11	U	12	U
1,2-Dichloropropane			10	U	10	U	12	U	11	U	11	U	12	U
cis-1,3-Dichloropropene			10	U	10	U	12	U	11	U	11	U	12	U
Trichloroethene	700	5	10	U	10	U	12	U	11	U	0.9	J	0.6	J
Dibromochloromethane			10	U	10	U	12	U	11	U	11	U	12	U
1,1,2-Trichloroethane			10	U	10	U	12	U	11	U	11	U	12	U
Benzene	60	1	10	U	10	U	0.5	J	11	U	0.4	J	2	J
trans-1,3-Dichloropropene			10	U	10	U	12	U	11	U	11	U	12	U
Bromoform			10	U	10	U	12	U	11	U	11	U	12	U
4-Methyl-2-Pentanone	1,000	50	10	UJ	10	UJ	12	UJ	11	U	11	UJ	12	UJ
2-Hexanone			10	UJ	10	UJ	12	UJ	11	U	11	UJ	12	UJ
Tetrachloroethene	1,400	5	10	U	0.3	J	12	U	11	U	11	U	12	U
1,1,2,2-Tetrachloroethane	600	5	10	UJ	10	UJ	12	UJ	11	UJ	11	UJ	12	UJ
Toluene	1,500	5	10	U	0.2	J	12	U	11	U	11	U	1	J
Chlorobenzene	1,700	5	10	U	10	U	12	U	11	U	11	U	12	U
Ethylbenzene	5,500	5	10	U	10	U	12	U	11	U	11	U	12	U
Styrene			10	U	10	U	12	U	11	U	11	U	12	U
Xylene (total)	1,200	5	10	U	10	U	12	U	11	U	11	U	12	U

Table 2-2
TCL Volatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT		NW CATCH BASIN	
Lab Sample ID	TAGM 4046		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17		991556C-18	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	VBLKK1		VBLKK1		VBLKK1		VBLKKZ		VBLKK1		VBLKKZ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds														
Chloromethane			11	U	11	U	38	U	15	U	25	U	11	U
Bromomethane			11	U	11	U	38	U	15	U	25	U	11	U
Vinyl Chloride	200	2	11	U	11	U	38	U	15	U	25	U	11	U
Chloroethane	1,900	50	11	UJ	11	UJ	38	UJ	15	UJ	25	UJ	11	UJ
Methylene Chloride	100	5	11	U	11	U	38	U	15	U	25	U	11	U
Acetone	200	50	28	UJ	16	UJ	38	UJ	67	BJ	62	UJ	11	UJ
Carbon Disulfide	2,700	50	11	UJ	11	U	1	J	15	U	1	J	11	UJ
1,1-Dichloroethene	400	5	11	U	11	U	38	U	15	U	25	U	11	U
1,1-Dichloroethane	200	5	11	U	11	U	38	U	15	U	25	U	11	U
1,2-Dichloroethene (total)	300	5	11	U	11	U	38	U	15	U	25	U	11	U
Chloroform	300	7	11	U	11	U	38	U	15	U	25	U	11	U
1,2-Dichloroethane	100	5	11	U	11	U	38	U	15	U	25	U	11	U
2-Butanone	300	50	5	J	6	J	50	J	8	J	16	J	11	UJ
1,1,1-Trichloroethane	800	5	11	U	11	U	38	U	15	U	25	U	11	U
Carbon Tetrachloride	600	5	11	UJ	11	UJ	38	UJ	15	UJ	25	UJ	11	UJ
Bromodichloromethane			11	U	11	U	38	U	15	U	25	U	11	U
1,2-Dichloropropane			11	U	11	U	38	U	15	U	25	U	11	U
cis-1,3-Dichloropropene			11	U	11	U	38	U	15	U	25	U	11	U
Trichloroethene	700	5	0.6	J	11	U	38	U	15	U	25	U	11	U
Dibromochloromethane			11	U	11	U	38	U	15	U	25	U	11	U
1,1,2-Trichloroethane			11	U	11	U	38	U	15	U	25	U	11	U
Benzene	60	1	11	U	11	U	1	J	15	U	25	U	11	U
trans-1,3-Dichloropropene			11	U	11	U	38	U	15	U	25	U	11	U
Bromoform			11	U	11	U	38	U	15	U	25	U	11	U
4-Methyl-2-Pentanone	1,000	50	11	UJ	11	UJ	38	UJ	15	U	25	UJ	11	U
2-Hexanone			11	UJ	11	UJ	38	UJ	15	U	25	UJ	11	U
Tetrachloroethene	1,400	5	11	U	11	U	38	U	15	U	25	U	11	U
1,1,2,2-Tetrachloroethane	600	5	11	UJ	11	UJ	38	UJ	15	UJ	25	UJ	11	UJ
Toluene	1,500	5	11	U	11	U	2	J	15	U	25	U	11	U
Chlorobenzene	1,700	5	11	U	11	U	1	J	15	U	25	U	11	U
Ethylbenzene	5,500	5	11	U	11	U	38	U	15	U	25	U	11	U
Styrene			11	U	11	U	38	U	15	U	25	U	11	U
Xylene (total)	1,200	5	11	U	11	U	38	U	15	U	25	U	11	U

U=not detected, J=estimated value, B=detected in associated method blank, D=result from secondary analysis (dilution), E=value exceeds calibration range

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		2.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
Phenol	30	1	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
bis(2-Chloroethyl)ether			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Chlorophenol	800	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,3-Dichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,4-Dichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,2-Dichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Methylphenol	100	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,2'-oxybis(1-Chloropropane)			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Methylphenol	900	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
N-nitroso-di-n-propylamine			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Hexachloroethane			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Nitrobenzene	200	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Isophorone	4,400	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Nitrophenol	100	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,4-Dimethylphenol			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
bis(2-Chloroethoxy)methane			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,4-Dichlorophenol	400	1	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
1,2,4-Trichlorobenzene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Naphthalene	13,000	10	360	U	22	J	16	J	12	J	130	J	29	J	17	J	17	J
4-Chloroaniline	220	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Hexachlorobutadiene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Chloro-3-methylphenol	240	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Methylnaphthalene	36,400	50	360	U	12	J	350	U	360	U	81	J	350	U	360	U	350	U
Hexachlorocyclopentadiene			360	UJ	350	UJ	350	UJ	360	UJ	690	U	350	UJ	360	UJ	350	UJ
2,4,6-Trichlorophenol			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2,4,5-Trichlorophenol	100	1	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
2-Chloronaphthalene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
2-Nitroaniline	430	5	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Dimethylphthalate	2,000	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Acenaphthylene	41,000	20	360	U	9	J	47	J	14	J	11	J	350	U	11	J	350	U
2,6-Dinitrotoluene	1,000	5	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
3-Nitroaniline	500	5	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Acenaphthene	50,000	20	19	J	350	UJ	24	J	360	UJ	750	J	350	UJ	360	UJ	350	UJ

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		2.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ		SBLKUQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	910	UJ	880	UJ	880	UJ	910	UJ	1700	U	870	UJ	910	UJ	870	UJ
4-Nitrophenol	100	5	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Dibenzofuran	6,200	5	360	U	350	UJ	10	J	360	U	220	J	350	U	360	U	350	U
2,4-Dinitrotoluene			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Diethylphthalate	7,100	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Chlorophenyl-phenylether			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Fluorene	50,000	50	360	U	11	J	40	J	10	J	540	J	350	U	360	U	9	J
4-Nitroaniline			910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
4,6-Dinitro-2-methylphenol			910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
N-Nitrosodiphenylamine (1)			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
4-Bromophenyl-phenylether			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Hexachlorobenzene	410	0.35	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Pentachlorophenol	1,000	1	910	U	880	U	880	U	910	U	1700	U	870	U	910	U	870	U
Phenanthrene	50,000	50	95	J	65	J	420		81	J	3000		16	J	48	J	60	J
Anthracene	50,000	50	12	J	17	J	130	J	21	J	870		4	J	17	J	15	J
Carbazole			360	U	350	U	18	J	360	U	640	J	350	U	360	U	7	J
Di-n-butylphthalate	8,100	50	360	U	350	U	460	U	360	U	690	U	350	U	360	U	350	U
Fluoranthene	50,000	50	38	J	83	J	690		130	J	3400		19	J	110	J	57	J
Pyrene	50,000	50	84	J	98	J	760		140	J	4000		30	J	130	J	66	J
Butylbenzylphthalate	50,000	50	360	U	350	U	350	U	55	J	690	U	350	U	360	U	350	U
3,3'-Dichlorobenzidine			360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Benzo(a)anthracene	224	0.002	360	U	59	J	530		86	J	2500		12	J	86	J	37	J
Chrysene	400	0.002	360	U	66	J	540		95	J	2400		39	J	96	J	48	J
bis(2-Ethylhexyl)phthalate	50,000	50	360	U	350	U	350	U	360	U	690	U	350	U	360	U	350	U
Di-n-octylphthalate	50,000	50	360	U	350	UJ	350	U	360	U	690	U	350	U	360	U	350	U
Benzo(b)fluoranthene	1,100	0.002	360	U	54	J	370		76	J	1700		350	U	96	J	50	J
Benzo(k)fluoranthene	1,100	0.002	360	U	60	J	420		110	J	2300		350	U	91	J	57	J
Benzo(a)pyrene	61	0.002	360	U	56	J	430		81	J	2000		350	U	95	J	60	J
Indeno(1,2,3-cd)pyrene	3,200	0.002	360	U	46	J	340	J	68	J	1700		350	U	86	J	50	J
Dibenz(a,h)anthracene	14	50	360	U	19	J	120	J	27	J	620	J	350	U	31	J	16	J
Benzo(g,h,i)perylene	50,000	5	12	J	48	J	290	J	76	J	1800		12	J	90	J	66	J

U - not detected. J - estimated value. B - detected in associated method blank. D - result from secondary analysis (dilution). E - value exceeds calibration range.

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-46A (0-2.5 BLS)		GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-21		991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKYQ		SBLKUQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
Phenol	30	1	350	U	380	U	2	J	360	U	360	U	350	U	350	U	350	U
bis(2-Chloroethyl)ether			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Chlorophenol	800	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,3-Dichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,4-Dichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,2-Dichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Methylphenol	100	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,2'-oxybis(1-Chloropropane)			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
4-Methylphenol	900	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
N-nitroso-di-n-propylamine			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Hexachloroethane			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Nitrobenzene	200	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Isophorone	4,400	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Nitrophenol	100	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,4-Dimethylphenol			350	U	380	U	10	UJ	360	U	360	UJ	350	UJ	350	UJ	350	UJ
bis(2-Chloroethoxy)methane			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,4-Dichlorophenol	400	1	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
1,2,4-Trichlorobenzene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Naphthalene	13,000	10	17	J	23	J	10	U	21	J	360	UJ	350	U	350	U	350	U
4-Chloroaniline	220	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Hexachlorobutadiene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
4-Chloro-3-methylphenol	240	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Methylnaphthalene	36,400	50	18	J	60	J	10	U	17	J	360	U	350	U	350	U	350	U
Hexachlorocyclopentadiene			350	UJ	380	U	10	UJ	360	U	360	U	350	U	350	U	350	U
2,4,6-Trichlorophenol			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2,4,5-Trichlorophenol	100	1	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
2-Chloronaphthalene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
2-Nitroaniline	430	5	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Dimethylphthalate	2,000	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Acenaphthylene	41,000	20	350	U	16	J	10	U	9	J	10	J	350	U	350	U	350	U
2,6-Dinitrotoluene	1,000	5	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
3-Nitroaniline	500	5	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Acenaphthene	50,000	20	350	UJ	380	UJ	10	U	360	UJ	360	UJ	350	U	350	U	350	U

U=not detected J=estimated value B=detected in associated method blank D=result from secondary analysis (dilution) E=value exceeds calibration range

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-46A (0-2.5 BLS)		GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-21		991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKUQ		SBLKUQ		SBLKYQ		SBLKUQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	870	U	950	U	25	UJ	900	U	900	U	880	U	880	U	880	U
4-Nitrophenol	100	5	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Dibenzofuran	6,200	5	350	U	380	U	10	U	8	J	360	UJ	350	U	350	U	350	U
2,4-Dinitrotoluene			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Diethylphthalate	7,100	50	350	U	380	U	.2	J	9	J	360	U	350	U	350	U	350	U
4-Chlorophenyl-phenylether			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Fluorene	50,000	50	350	U	380	U	10	U	13	J	360	UJ	350	U	350	U	350	U
4-Nitroaniline			870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
4,6-Dinitro-2-methylphenol			870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
N-Nitrosodiphenylamine (1)			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
4-Bromophenyl-phenylether			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Hexachlorobenzene	410	0.35	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Pentachlorophenol	1,000	1	870	U	950	U	25	U	900	U	900	U	880	U	880	U	880	U
Phenanthrene	50,000	50	61	J	100	J	10	U	78	J	36	J	40	J	38	J	21	J
Anthracene	50,000	50	12	J	29	J	10	U	18	J	10	J	10	J	10	J	350	U
Carbazole			350	U	380	U	10	U	360	U	360	UJ	350	U	350	U	350	U
Di-n-butylphthalate	8,100	50	350	U	380	U	.8	JB	360	U	360	U	350	U	350	U	350	U
Fluoranthene	50,000	50	48	J	100	J	10	U	74	J	83	J	64	J	60	J	12	J
Pyrene	50,000	50	60	J	100	J	10	U	96	J	100	J	74	J	74	J	27	J
Butylbenzylphthalate	50,000	50	350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
3,3'-Dichlorobenzidine			350	U	380	U	10	U	360	U	360	U	350	U	350	U	350	U
Benzo(a)anthracene	224	0.002	34	J	83	J	10	U	50	J	52	J	38	J	40	J	350	U
Chrysene	400	0.002	53	J	200	J	10	U	59	J	59	J	47	J	46	J	38	J
bis(2-Ethylhexyl)phthalate	50,000	50	350	U	380	U	.6	JB	360	U	360	U	350	U	350	U	350	U
Di-n-octylphthalate	50,000	50	350	U	380	U	10	U	360	UJ	41	JB	350	U	350	U	350	U
Benzo(b)fluoranthene	1,100	0.002	34	J	140	J	10	U	46	J	70	J	36	J	44	J	350	U
Benzo(k)fluoranthene	1,100	0.002	33	J	110	J	10	U	52	J	63	J	41	J	45	J	350	U
Benzo(a)pyrene	61	0.002	32	J	100	J	10	U	46	J	52	J	38	J	42	J	350	U
Indeno(1,2,3-cd)pyrene	3,200	0.002	34	J	28	J	10	U	54	J	50	J	35	J	50	J	350	U
Dibenz(a,h)anthracene	14	50	15	J	380	UJ	10	U	22	J	360	UJ	350	U	350	U	350	U
Benzo(g,h,i)perylene	50,000	5	37	J	33	J	10	U	62	J	360	U	350	U	350	U	350	U

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-28C (4-5 BLS)		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)	
Lab Sample ID	TAGM 4046		991556B-09		991556B-10		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		5.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKYQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/Kg	
Compounds																		
Phenol	30	1	360	U	340	U	360	UJ	370	U	390	U	370	U	1	J	380	U
bis(2-Chloroethyl)ether			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Chlorophenol	800	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,3-Dichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,4-Dichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,2-Dichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Methylphenol	100	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,2'-oxybis(1-Chloropropane)			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
4-Methylphenol	900	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	77	J
N-nitroso-di-n-propylamine			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Hexachloroethane			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Nitrobenzene	200	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Isophorone	4,400	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Nitrophenol	100	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,4-Dimethylphenol			360	UJ	340	UJ	360	UJ	370	UJ	390	UJ	370	UJ	10	UJ	380	UJ
bis(2-Chloroethoxy)methane			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,4-Dichlorophenol	400	1	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
1,2,4-Trichlorobenzene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
Naphthalene	13,000	10	360	U	340	U	360	UJ	370	U	390	U	19	J	10	U	27	J
4-Chloroaniline	220	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Hexachlorobutadiene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
4-Chloro-3-methylphenol	240	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2-Methylnaphthalene	36,400	50	360	U	15	J	360	UJ	370	U	390	U	370	U	10	U	19	J
Hexachlorocyclopentadiene			360	U	340	U	360	UJ	370	UJ	390	UJ	370	UJ	10	U	380	UJ
2,4,6-Trichlorophenol			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	UJ
2,4,5-Trichlorophenol	100	1	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
2-Chloronaphthalene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
2-Nitroaniline	430	5	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
Dimethylphthalate	2,000	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Acenaphthylene	41,000	20	14	J	340	U	360	UJ	370	U	390	U	18	J	10	U	20	J
2,6-Dinitrotoluene	1,000	5	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
3-Nitroaniline	500	5	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	UJ
Acenaphthene	50,000	20	360	U	340	U	360	UJ	370	U	390	U	20	J	10	U	29	J

U=not detected, J=estimated value, B=detected in associated method blank, D=result from secondary analysis (dilution), E=value exceeds calibration range

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-28C (4-5 BLS)		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)	
Lab Sample ID	TAGM 4046		991556B-09		991556B-10		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		5.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKXQ		SBLKYQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	910	U	860	U	900	UJ	920	UJ	990	UJ	920	UJ	25	U	960	UJ
4-Nitrophenol	100	5	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
Dibenzofuran	6,200	5	360	U	340	U	360	UJ	370	U	390	U	19	J	10	U	36	J
2,4-Dinitrotoluene			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Diethylphthalate	7,100	50	360	U	340	U	360	UJ	370	U	390	U	370	UJ	0.4	J	380	U
4-Chlorophenyl-phenylether			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Fluorene	50,000	50	360	U	340	U	13	J	370	U	390	U	38	J	10	U	25	J
4-Nitroaniline			910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	UJ
4,6-Dinitro-2-methylphenol			910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	U
N-Nitrosodiphenylamine (1)			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
4-Bromophenyl-phenylether			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Hexachlorobenzene	410	0.35	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Pentachlorophenol	1,000	1	910	U	860	U	900	UJ	920	U	990	U	920	U	25	U	960	UJ
Phenanthrene	50,000	50	61	J	38	J	90	J	370	U	390	U	310	J	10	U	140	J
Anthracene	50,000	50	17	J	340	U	25	J	370	U	390	U	82	J	10	U	46	J
Carbazole			360	U	340	U	360	UJ	370	U	390	U	21	J	10	U	380	U
Di-n-butylphthalate	8,100	50	360	U	340	U	360	UJ	370	U	390	U	370	UJ	0.8	JB	380	U
Fluoranthene	50,000	50	140	J	15	J	180	J	370	U	16	J	460	J	10	U	140	J
Pyrene	50,000	50	160	J	23	J	170	J	370	U	15	J	370	J	10	U	210	J
Butylbenzylphthalate	50,000	50	360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
3,3'-Dichlorobenzidine			360	U	340	U	360	UJ	370	U	390	U	370	U	10	U	380	U
Benzo(a)anthracene	224	0.002	84	J	340	U	92	J	370	U	9	J	240	J	10	U	91	J
Chrysene	400	0.002	91	J	28	J	110	J	370	U	11	J	250	J	10	U	150	J
bis(2-Ethylhexyl)phthalate	50,000	50	670	U	340	U	360	UJ	370	U	390	U	370	UJ	0.6	JB	380	U
Di-n-octylphthalate	50,000	50	360	U	340	U	360	UJ	370	U	390	U	370	UJ	10	U	380	U
Benzo(b)fluoranthene	1,100	0.002	94	J	340	U	92	J	370	U	390	U	200	J	10	U	100	J
Benzo(k)fluoranthene	1,100	0.002	81	J	340	U	100	J	370	U	390	U	240	J	10	U	80	J
Benzo(a)pyrene	61	0.002	69	J	340	U	110	J	370	U	390	U	230	J	10	U	120	J
Indeno(1,2,3-cd)pyrene	3,200	0.002	90	J	340	U	69	J	370	UJ	390	UJ	170	J	10	U	96	J
Dibenz(a,h)anthracene	14	50	360	U	340	U	24	J	370	UJ	390	UJ	61	J	10	U	51	J
Benzo(g,h,i)perylene	50,000	5	360	U	340	U	86	J	370	UJ	390	UJ	370	UJ	10	U	150	J

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)		GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT	
Lab Sample ID	TAGM 4046		991556C-05		991556C-06		991556C-07		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		4.00		1.00		1.00		25.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
Phenol	30	1	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
bis(2-Chloroethyl)ether			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Chlorophenol	800	50	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,3-Dichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,4-Dichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,2-Dichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Methylphenol	100	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,2'-oxybis(1-Chloropropane)			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
4-Methylphenol	900	50	350	U	1500	U	54	J	350	U	8900	U	1400	U	490	U	800	U
N-nitroso-di-n-propylamine			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Hexachloroethane			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Nitrobenzene	200	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Isophorone	4,400	50	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Nitrophenol	100	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4-Dimethylphenol			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
bis(2-Chloroethoxy)methane			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4-Dichlorophenol	400	1	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
1,2,4-Trichlorobenzene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
Naphthalene	13,000	10	350	UJ	120	J	95	J	9	J	1000	J	1400	UJ	490	UJ	800	UJ
4-Chloroaniline	220	5	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Hexachlorobutadiene			350	U	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
4-Chloro-3-methylphenol	240	5	350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2-Methylnaphthalene	36,400	50	350	U	80	J	49	J	350	U	1300	J	1400	U	490	U	800	U
Hexachlorocyclopentadiene			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4,6-Trichlorophenol			350	UJ	1500	UJ	360	UJ	350	UJ	8900	UJ	1400	UJ	490	UJ	800	UJ
2,4,5-Trichlorophenol	100	1	890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
2-Chloronaphthalene			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
2-Nitroaniline	430	5	890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
Dimethylphthalate	2,000	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Acenaphthylene	41,000	20	350	U	270	J	64	J	10	J	330	J	1400	U	490	U	800	U
2,6-Dinitrotoluene	1,000	5	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
3-Nitroaniline	500	5	890	U	3700	UJ	900	U	890	UJ	22000	U	3400	UJ	1200	UJ	2000	UJ
Acenaphthene	50,000	20	350	UJ	160	J	67	J	350	UJ	8700	J	1400	UJ	490	UJ	800	UJ

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)		GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT	
Lab Sample ID	TAGM 4046		991556C-05		991556C-06		991556C-07		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		4.00		1.00		1.00		25.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ		SBLKBQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																		
2,4-Dinitrophenol	400	5	890	U	3700	UJ	900	U	890	UJ	22000	U	3400	UJ	1200	UJ	2000	UJ
4-Nitrophenol	100	5	890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
Dibenzofuran	6,200	5	350	U	200	J	59	J	350	U	6500	J	1400	U	490	U	800	U
2,4-Dinitrotoluene			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Diethylphthalate	7,100	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
4-Chlorophenyl-phenylether			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Fluorene	50,000	50	350	U	560	J	100	J	350	U	15000		1400	U	490	U	800	U
4-Nitroaniline			890	U	3700	UJ	900	U	890	UJ	22000	U	3400	UJ	1200	U	2000	UJ
4,6-Dinitro-2-methylphenol			890	U	3700	U	900	U	890	U	22000	U	3400	U	1200	U	2000	U
N-Nitrosodiphenylamine (1)			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
4-Bromophenyl-phenylether			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Hexachlorobenzene	410	0.35	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Pentachlorophenol	1,000	1	890	UJ	3700	UJ	900	UJ	890	UJ	22000	UJ	3400	UJ	1200	UJ	2000	UJ
Phenanthrene	50,000	50	41	J	4400		720		82	J	64000		91	J	210	J	250	J
Anthracene	50,000	50	14	J	1200	J	250	J	17	J	21000		1400	U	27	J	37	J
Carbazole			350	U	250	J	45	J	350	U	7900	J	1400	U	28	J	35	J
Di-n-butylphthalate	8,100	50	350	U	1500	U	350	U	350	U	8900	U	1400	U	490	U	800	U
Fluoranthene	50,000	50	96	J	5900		1000		150	J	56000		150	J	300	J	540	J
Pyrene	50,000	50	100	J	4800		1300	J	150	J	55000		140	J	310	J	620	J
Butylbenzylphthalate	50,000	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
3,3'-Dichlorobenzidine			350	U	1500	U	360	U	350	U	8900	U	1400	U	490	U	800	U
Benzo(a)anthracene	224	0.002	54	J	3100		840		100	J	34000		69	J	130	J	270	J
Chrysene	400	0.002	63	J	3000		1000		130	J	39000		110	J	260	J	440	J
bis(2-Ethylhexyl)phthalate	50,000	50	350	U	1500	U	1200	B	310	JB	8900	U	1400	U	1500	B	1300	B
Di-n-octylphthalate	50,000	50	350	U	1500	U	360	U	350	U	8900	U	1400	U	130	JB	800	U
Benzo(b)fluoranthene	1,100	0.002	54	J	2500		910		140	J	25000		88	J	200	J	400	J
Benzo(k)fluoranthene	1,100	0.002	52	J	2500		840		110	J	26000		73	J	160	J	320	J
Benzo(a)pyrene	61	0.002	50	J	2600		1000		100	J	28000		1400	U	150	J	320	J
Indeno(1,2,3-cd)pyrene	3,200	0.002	35	J	1700		600		81	J	17000		1400	U	140	J	240	J
Dibenz(a,h)anthracene	14	50	350	U	520	J	220	J	29	J	6800	J	1400	U	490	U	80	J
Benzo(g,h,i)perylene	50,000	5	37	J	1500		600		80	J	18000		1400	U	240	J	290	J

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			NW CATCH BASIN		DUPLICATE-3		FIELD BLANK-3		SUPPLY WELL		UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046		991556C-18		991556C-19		991556C-20		991557A-01		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/L		ug/L		ug/L		ug/L	
Compounds																
Phenol	30	1	390	U	380	U	2	J	.4	J	10	U	10	U	.4	J
bis(2-Chloroethyl)ether			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Chlorophenol	800	50	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Methylphenol	100	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,2'-oxybis(1-Chloropropane)			390	U	380	U	10	U	10	U	10	U	10	U	10	U
4-Methylphenol	900	50	390	U	73	J	10	U	10	U	10	U	10	U	10	U
N-nitroso-di-n-propylamine			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Hexachloroethane			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Nitrobenzene	200	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Isophorone	4,400	50	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Nitrophenol	100	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4-Dimethylphenol			390	UJ	380	UJ	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
bis(2-Chloroethoxy)methane			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4-Dichlorophenol	400	1	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
Naphthalene	13,000	10	390	UJ	120	J	10	U	10	U	10	U	10	U	10	U
4-Chloroaniline	220	5	390	U	380	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobutadiene			390	UJ	380	UJ	10	U	10	UJ	10	UJ	10	UJ	10	UJ
4-Chloro-3-methylphenol	240	5	390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2-Methylnaphthalene	36,400	50	390	U	62	J	10	U	10	U	10	U	10	U	10	U
Hexachlorocyclopentadiene			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4,6-Trichlorophenol			390	UJ	380	UJ	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophenol	100	1	980	U	950	U	25	U	25	U	25	U	25	U	25	U
2-Chloronaphthalene			390	U	380	U	10	U	10	U	10	U	10	U	10	U
2-Nitroaniline	430	5	980	U	950	U	25	U	25	U	25	U	25	U	25	U
Dimethylphthalate	2,000	50	390	U	380	U	10	U	10	U	10	U	10	U	10	U
Acenaphthylene	41,000	20	390	U	70	J	10	U	10	U	10	U	10	U	10	U
2,6-Dinitrotoluene	1,000	5	390	U	380	U	10	U	10	U	10	U	10	U	10	U
3-Nitroaniline	500	5	980	UJ	950	UJ	25	U	25	U	25	U	25	U	25	U
Acenaphthene	50,000	20	390	UJ	73	J	10	U	10	U	10	U	10	U	10	U

U=not detected J=estimated value B=detected in associated method blank D=result from secondary analysis (dilution) E=value exceeds calibration

Table 2-3
TCL Semivolatile Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			NW CATCH BASIN		DUPLICATE-3		FIELD BLANK-3		SUPPLY WELL		UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046		991556C-18		991556C-19		991556C-20		991557A-01		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	SBLKBQ		SBLKBQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ		SBLKYQ	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/L		ug/L		ug/L		ug/L		ug/L	
Compounds																
2,4-Dinitrophenol	400	5	980	UJ	950	UJ	25	U	25	UJ	25	UJ	25	UJ	25	UJ
4-Nitrophenol	100	5	980	U	950	U	25	U	25	U	25	U	25	U	25	U
Dibenzofuran	6,200	5	390	U	76	J	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Diethylphthalate	7,100	50	390	U	380	U	0.4	J	.5	J	.3	J	.2	J	.5	J
4-Chlorophenyl-phenylether			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Fluorene	50,000	50	390	U	98	J	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline			980	UJ	950	UJ	25	U	25	U	25	U	25	U	25	U
4,6-Dinitro-2-methylphenol			980	U	950	U	25	U	25	UJ	25	UJ	25	UJ	25	UJ
N-Nitrosodiphenylamine (1)			390	U	380	U	10	U	10	U	10	U	10	U	10	U
4-Bromophenyl-phenylether			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobenzene	410	0.35	390	U	380	U	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	1,000	1	980	UJ	950	UJ	25	U	25	U	25	U	25	U	25	U
Phenanthrene	50,000	50	82	J	500		10	U	10	U	10	U	10	U	10	U
Anthracene	50,000	50	23	J	180	J	10	U	10	U	10	U	10	U	10	U
Carbazole			390	U	42	J	10	U	10	U	10	U	10	U	10	U
Di-n-butylphthalate	8,100	50	390	U	380	U	0.9	JB	10	U	10	U	10	U	10	U
Fluoranthene	50,000	50	170	J	780		10	U	10	U	10	U	10	U	10	U
Pyrene	50,000	50	200	J	880		10	U	10	U	10	U	10	U	10	U
Butylbenzylphthalate	50,000	50	390	U	380	U	10	U	10	U	10	U	10	U	10	U
3,3'-Dichlorobenzidine			390	U	380	U	10	U	10	U	10	U	10	U	10	U
Benzo(a)anthracene	224	0.002	120	J	550		10	U	10	U	10	U	10	U	10	U
Chrysene	400	0.002	150	J	630		10	U	10	U	10	U	10	U	10	U
bis(2-Ethylhexyl)phthalate	50,000	50	390	U	1600	B	0.7	JB	10	U	10	U	10	U	10	U
Di-n-octylphthalate	50,000	50	390	U	380	U	10	U	.3	J	10	U	10	U	.2	J
Benzo(b)fluoranthene	1,100	0.002	130	J	760		10	U	10	U	10	U	10	U	10	U
Benzo(k)fluoranthene	1,100	0.002	120	J	540		10	U	10	U	10	U	10	U	10	U
Benzo(a)pyrene	61	0.002	130	J	670		10	U	10	U	10	U	10	U	10	U
Indeno(1,2,3-cd)pyrene	3,200	0.002	94	J	530		10	U	10	U	10	U	10	U	10	U
Dibenz(a,h)anthracene	14	50	45	J	170	J	10	U	10	U	10	U	10	U	10	U
Benzo(g,h,i)perylene	50,000	5	110	J	580		10	U	10	U	10	U	10	U	10	U

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)		GP-46A (0-2.5 BLS)	
Lab Sample ID	TAGM 4046		991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20		991556A-21	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK61		PBLK61		PBLK61		PBLK61		PBLK65		PBLK61		PBLK61		PBLK61		PBLK61	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																				
alpha-BHC	110	0.05	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
beta-BHC	200	0.05	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
delta-BHC	300	0.05	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	0.20	J	0.36	J
gamma-BHC (Lindane)	60	0.05	0.72	J	1.8	UJ	1.9	UJ	1.8	UJ	1.7	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.8	UJ
Heptachlor	100	0.01	1.8	U	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
Aldrin	41	0.01	1.6	J	1.8	U	1.9	U	6.0	J	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
Heptachlor Epoxide	20	0.01	1.8	U	1.8	U	1.9	U	1.8	J	1.7	U	0.30	J	1.9	U	1.8	U	1.8	U
Endosulfan I	900	0.1	0.48	J	1.8	U	1.9	U	1.8	U	1.7	U	1.8	U	1.9	U	1.8	U	1.8	U
Dieldrin	44	0.01	3.5	U	3.5	U	3.7	U	3.6	J	1.1	J	0.39	J	3.6	U	0.55	J	3.4	U
4,4'-DDE	2,100	0.01	3.7		8.8		24.		15.		3.4	U	2.4	J	11.		0.78	J	1.5	J
Endrin	100	0.01	1.4	J	1.9	J	0.75	J	1.4	J	3.4	U	3.4	U	1.3	J	3.4	U	3.4	U
Endosulfan II	900	0.1	3.5	U	3.5	U	3.7	U	3.6	U	3.4	U	3.4	U	3.6	U	3.4	U	3.4	U
4,4'-DDD	2,900	0.01	7.2	J	3.9	J	31.	J	15.	J	1.2	J	1.2	J	4.1	J	0.48	J	0.62	J
Endosulfan Sulfate	1,000	0.1	3.5	U	3.5	U	3.7	U	3.6	U	11.		3.4	U	3.6	U	3.4	U	3.4	U
4,4'-DDT	2,100	0.01	3.5	U	1.6	J	30.	J	5.4	J	5.6		3.4	U	3.6	U	0.48	J	0.84	J
Methoxychlor	***		18.	U	18.	U	19.		4.6	J	19.	J	18.	U	19.	U	18.	U	18.	U
Endrin Ketone	N/A		3.5	U	3.5	U	3.7	U	3.6	U	3.4	U	3.4	U	3.6	U	3.4	U	3.4	U
Endrin Aldehyde			3.5	U	3.5	U	3.7	U	3.6	U	3.4	U	3.4	U	3.6	U	3.4	U	3.4	U
alpha-Chlordane	540 *		2.8	J	5.5		12.	J	19.		3.7	J	1.7	J	6.2		1.3	J	1.6	J
gamma-Chlordane	540	0.1	1.3	J	2.9		10.	J	12.		0.95	J	1.5	J	4.3		0.92	J	1.0	J
Toxaphene			180	U	180	U	190	U	180	U	170	U	180	U	190	U	180	U	180	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	35.	U	35.	U	37.	U	36.	U	34.	U	34.	U	36.	U	34.	U	34.	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	71.	U	71.	U	75.	U	72.	U	69.	U	69.	U	74.	U	70.	U	70.	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	35.	U	35.	U	37.	U	36.	U	34.	U	34.	U	36.	J	7.7	J	20.	J
Aroclor-1242	1,000-surface 10,000-subsurface	100	30.	J	43.		26.	J	94.		34.	U	34.	U	36.	U	34.	U	34.	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	35.	U	35.	U	37.	U	36.	U	34.	U	34.	U	36.	U	34.	U	34.	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	38.		97.		85.	J	56.	J	15.	J	15.	J	44.	J	7.4	J	13.	J
Aroclor-1260	1,000-surface 10,000-subsurface	100	63.		62.	J	52.	J	71.	J	34.	U	34.	U	31.	J	6.2	J	12.	J

N/A - not available
* - Value listed for Chlordane
*** - As per TAGM #4046, Total Pesticides < 10 ppm
U - Not Detected
J - Value is estimated

Ta

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)		GP-28C (4-5 BLS)		GP-29A (0-2 BLS)	
Lab Sample ID	TAGM 4046		991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05		991556B-09		991556B-10	
Date Sampled	Recommended	Groundwater	07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK61		PBLK64		PBLK61		PBLK65		PBLK65		PBLK65		PBLK65		PBLK65		PBLK65	
Units	ug/Kg	ug/L	ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																				
alpha-BHC	110	0.05	0.32	J	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
beta-BHC	200	0.05	1.8	U	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
delta-BHC	300	0.05	1.8	U	0.050	U	1.8	U	0.35	J	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
gamma-BHC (Lindane)	60	0.05	1.8	UJ	0.050	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ	1.8	UJ
Heptachlor	100	0.01	1.8	U	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Aldrin	41	0.01	2.2		0.050	U	1.8	U	1.8	U	0.66	J	1.8	U	0.64	J	1.8	U	1.8	U
Heptachlor Epoxide	20	0.01	0.63	J	0.050	U	1.8	U	0.98	J	1.8	U	1.8	U	0.48	J	0.47	J	1.8	U
Endosulfan I	900	0.1	1.8	U	0.050	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Dieldrin	44	0.01	3.5	U	0.10	U	3.5	U	3.5	U	9.9		1.7	J	3.5	U	3.6	U	3.4	U
4,4'-DDE	2,100	0.01	3.5	U	0.10	U	5.3		12	J	1.6	J	2.4	J	3.5	U	6.7	J	0.33	J
Endrin	100	0.01	3.5	U	0.10	U	2.8	J	0.93	J	3.5	U	0.79	J	3.5	U	3.6	U	3.4	U
Endosulfan II	900	0.1	1.1		0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	0.46	J	3.6	U	3.4	U
4,4'-DDD	2,900	0.01	1.0	J	0.10	U	4.0	J	4.2	J	2.6	J	3.6	J	0.31	J	9.4	J	3.4	U
Endosulfan Sulfate	1,000	0.1	3.5	U	0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	3.5	U	3.6	U	3.4	U
4,4'-DDT	2,100	0.01	3.5	U	0.10	U	3.5	U	18	J	0.45	J	2.8	J	0.39	J	2.4	J	3.4	U
Methoxychlor	***		18.	U	0.50	U	18.	U	2.7	J	18.	U	18.	U	18.	U	18.	U	18.	U
Endrin Ketone	N/A		3.5	U	0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	3.5	U	3.6	U	3.4	U
Endrin Aldehyde			1.4	J	0.10	U	3.5	U	3.5	U	3.5	U	3.4	U	3.5	U	3.6	U	3.4	U
alpha-Chlordane	540 *		1.6	J	0.050	U	3.0	J	6.8	J	17.	J	5.5	J	0.79	J	6.6	J	0.53	J
gamma-Chlordane	540	0.1	1.1	J	0.050	U	2.2	J	2.3	J	16.		5.2		0.76	J	5.1		0.45	J
Toxaphene			180	U	5.0	U	180	U	180	U	180	U	180	U	180	U	180	U	180	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	35.	U	1.0	U	35.	U	35	U	35.	U	34.	U	35.	U	36.	U	34.	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	71.	U	2.0	U	71.	U	72	U	70.	U	70.	U	70.	U	72.	U	69.	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	38.	J	1.0	U	35.	U	35	U	35.	U	21.	J	35.	U	36.	U	34.	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	35.	U	1.0	U	22.	J	35	U	35.	U	34.	U	35.	U	36.	U	34.	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	35.	U	1.0	U	35.	U	35	U	35.	U	34.	U	35.	U	36.	U	34.	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	18.	J	1.0	U	31.	J	15	J	20.	J	20.	J	9.5	J	18.	J	34.	U
Aroclor-1260	1,000-surface 10,000-subsurface	100	35.	U	1.0	U	35.	J	35	U	21.	J	21.	J	35.	U	19.	JP	34.	U

N/A - not available
- Value listed for Chlordane
** - As per TAGM #4046, Total Pesticides < 10 ppm
J - Not Detected
- Value is estimated

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)		GP-33A (0-2 BLS)		GP-35A (0-2 BLS)		GP-36A (0-3 BLS)	
Lab Sample ID	TAGM 4046		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03		991556C-05		991556C-06		991556C-07	
Date Sampled	Recommended	Groundwater	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00		1.00		1.00		10.00		1.00		1.00		10.00	
Method Blank	Objective	Criteria	PBLK65		PBLK65		PBLK65		PBLK65		PBLK64		PCBLK67		PBLK67		PBLK67		PCBLK67	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Compounds																				
alpha-BHC	110	0.05	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
beta-BHC	200	0.05	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
delta-BHC	300	0.05	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
gamma-BHC (Lindane)	60	0.05	1.8	UJ	1.9	UJ	2.0	UJ	1.9	UJ	0.050	U	20.	U	1.8	U	1.9	U	18.	UJ
Heptachlor	100	0.01	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
Aldrin	41	0.01	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	7.5		18.	U
Heptachlor Epoxide	20	0.01	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
Endosulfan I	900	0.1	1.8	U	1.9	U	2.0	U	1.9	U	0.050	U	20.	U	1.8	U	1.9	U	18.	U
Dieldrin	44	0.01	3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	4.2		9.7	J
4,4'-DDE	2,100	0.01	2.6	J	3.6	U	1.1	J	4.5	J	0.10	U	190	J	9.4	J	9.9	J	14.	J
Endrin	100	0.01	3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	4.6	J	35.	U
Endosulfan II	900	0.1	3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	3.6	U	35.	U
4,4'-DDD	2,900	0.01	0.60	J	3.6	U	0.77	J	1.6	J	0.10	U	46.	J	6.3	J	3.0	J	8.8	J
Endosulfan Sulfate	1,000	0.1	3.6	U	3.6	U	3.9	U	2.3	J	0.10	U	38.	U	3.5	U	1.7	J	35.	U
4,4'-DDT	2,100	0.01	2.2	J	3.6	U	0.032	J	2.3	J	0.10	U	38.	U	2.8	J	2.4	J	35.	U
Methoxychlor	***		2.6	J	19.	U	20.	U	7.0	J	0.50	U	200	U	18.	U	19.	U	180	U
Endrin Ketone	N/A		3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	3.6	U	35.	U
Endrin Aldehyde			3.6	U	3.6	U	3.9	U	3.6	U	0.10	U	38.	U	3.5	U	3.6	U	35.	U
alpha-Chlordane	540 *		1.5	J	0.22	J	0.35	J	2.6	J	0.050	U	6.2	J	1.9	J	8.9	J	23.	J
gamma-Chlordane	540	0.1	0.73	J	0.11	J	0.23	J	1.2	J	0.050	U	3.9	J	1.4	J	3.2	J	18.	J
Toxaphene			180	U	190	U	200	U	190	U	5.0	U	2000	U	180	U	190	U	1800	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	35.	U	36.	U	350	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	72.	U	74.	U	78.	U	73.	U	2.0	U	770	U	71.	U	74.	U	710	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	35.	U	92.	J	350	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	6.5	J	36.	U	88.	J
Aroclor-1248	1,000-surface 10,000-subsurface	100	36.	U	36.	U	39.	U	36.	U	1.0	U	380	U	35.	U	36.	U	350	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	9.7	J	36.	U	39.	U	18.	J	1.0	U	380	U	16.	J	48.	J	350	J
Aroclor-1260	1,000-surface 10,000-subsurface	100	7.6	J	36.	U	3.4	J	31.	J	1.0	U	380	U	42.		41.	J	80.	J

J/A - not available
- Value listed for Chlordane
** - As per TAGM #4046, Total Pesticides < 10 ppm
J - Not Detected
- Value is estimated

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT		NW CATCH BASIN		DUPLICATE-3		FIELD BLANK-3		SUPPLY WELL	
Lab Sample ID	TAGM 4046		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17		991556C-18		991556C-19		991556C-20		991557A-01	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		10.00		1.00		1.00		1.00		1.00		2.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK67		PBLK67		PBLK67		PCBLK67		PBLK67		PBLK67		PBLK67		PBLK64		PBLK64	
Units	ug/Kg	ug/L	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/L		ug/L	
Compounds																				
alpha-BHC	110	0.05	1.8	U	18.	U	7.0	U	1.1	J	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
beta-BHC	200	0.05	1.8	U	18.	U	7.0	U	0.34	J	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
delta-BHC	300	0.05	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.5	J	3.9	U	0.050	U	0.050	U
gamma-BHC (Lindane)	60	0.05	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	UJ
Heptachlor	100	0.01	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Aldrin	41	0.01	1.8	U	3.0	J	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Heptachlor Epoxide	20	0.01	1.2	J	7.8	J	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Endosulfan I	900	0.1	1.8	U	18.	U	7.0	U	2.5	U	4.1	U	2.0	U	3.9	U	0.050	U	0.050	U
Dieldrin	44	0.01	3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	7.5	U	0.10	U	0.10	U
4,4'-DDE	2,100	0.01	17.		270		10.	J	7.6		12.	J	15.		15.	J	0.10	U	0.10	U
Endrin	100	0.01	1.7	J	31.	J	1.2	J	4.8	U	2.7	J	3.8	U	4.3	J	0.10	U	0.10	U
Endosulfan II	900	0.1	3.4	U	47.		14.	U	0.53	J	1.2	J	3.8	U	7.5	U	0.10	U	0.10	U
4,4'-DDD	2,900	0.01	3.4	U	62.		2.1	J	0.68	J	2.1	J	14.	J	10.	J	0.10	U	0.10	U
Endosulfan Sulfate	1,000	0.1	3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	0.66	J	0.10	U	0.10	U
4,4'-DDT	2,100	0.01	21.		42.		14.	U	0.98	J	8.0	U	9.3	J	7.5	U	0.10	U	0.10	U
Methoxychlor	***		4.5	J	310		70.	U	2.8	J	7.5	J	20.	U	39.	U	0.50	U	0.50	U
Endrin Ketone	N/A		3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	7.5	U	0.10	U	0.10	U
Endrin Aldehyde			3.4	U	35.	U	14.	U	4.8	U	8.0	U	3.8	U	7.5	U	0.10	U	0.10	U
alpha-Chlordane	540 *		14.	J	10.	J	2.6	J	2.7	J	11.		9.0		15.	J	0.050	U	0.050	U
gamma-Chlordane	540	0.1	10.		18.	U	0.78	J	1.2	J	5.9		5.7		11.		0.050	U	0.050	U
Toxaphene			180	U	1800	U	700	U	250	U	410	U	200	U	390	U	5.0	U	5.0	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	34.	U	350	U	140	U	48.	U	80.	U	38.	U	75.	U	1.0	U	1.0	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	70.	U	710	U	280	U	98.	U	160	U	78.	U	150	U	2.0	U	2.0	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	39.		350	U	140	U	48.	U	80.	U	38.	U	75.	U	1.0	U	1.0	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	34.	U	350	U	140	U	48.	U	80.	U	38.	U	130	J	1.0	U	1.0	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	34.	U	350	U	140	U	48.	U	80.	U	38.	U	75.	U	1.0	U	1.0	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	65.	J	350	U	14.	J	19.	J	34.	J	63.		130		1.0	U	1.0	U
Aroclor-1260	1,000-surface 10,000-subsurface	100	50.		350	U	23.	J	48.	U	45.	J	35.	J	74.	J	1.0	U	1.0	U

J/A - not available
- Value listed for Chlordane
** - As per TAGM #4046, Total Pesticides < 10 ppm
J - Not Detected
- Value is estimated

TCL Pesticide/PCB Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID			UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	Groundwater	07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	Standards	1.00		1.00		1.00	
Method Blank	Objective	Criteria	PBLK64		PBLK64		PBLK64	
Units	ug/Kg	ug/L	ug/L		ug/L		ug/L	
Compounds								
alpha-BHC	110	0.05	0.050	U	0.050	U	0.050	U
beta-BHC	200	0.05	0.050	U	0.050	U	0.050	U
delta-BHC	300	0.05	0.0077	J	0.0057	J	0.050	U
gamma-BHC (Lindane)	60	0.05	0.050	UJ	0.050	UJ	0.050	UJ
Heptachlor	100	0.01	0.050	U	0.050	U	0.050	U
Aldrin	41	0.01	0.050	U	0.050	U	0.050	U
Heptachlor Epoxide	20	0.01	0.050	U	0.050	U	0.050	U
Endosulfan I	900	0.1	0.050	U	0.050	U	0.050	U
Dieldrin	44	0.01	0.10	U	0.10	U	0.10	U
4,4'-DDE	2,100	0.01	0.10	U	0.10	U	0.10	U
Endrin	100	0.01	0.10	U	0.10	U	0.10	U
Endosulfan II	900	0.1	0.10	U	0.10	U	0.10	U
4,4'-DDD	2,900	0.01	0.10	U	0.10	U	0.10	U
Endosulfan Sulfate	1,000	0.1	0.10	U	0.10	U	0.10	U
4,4'-DDT	2,100	0.01	0.10	U	0.10	U	0.10	U
Methoxychlor	***		0.50	U	0.50	U	0.50	U
Endrin Ketone	N/A		0.10	U	0.10	U	0.10	U
Endrin Aldehyde			0.10	U	0.10	U	0.10	U
alpha-Chlordane	540 *		0.050	U	0.050	U	0.050	U
gamma-Chlordane	540	0.1	0.050	U	0.050	U	0.050	U
Toxaphene			5.0	U	5.0	U	5.0	U
Aroclor-1016	1,000-surface 10,000-subsurface	1,000	1.0	U	1.0	U	1.0	U
Aroclor-1221	1,000-surface 10,000-subsurface	100	2.0	U	2.0	U	2.0	U
Aroclor-1232	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1242	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1248	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1254	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U
Aroclor-1260	1,000-surface 10,000-subsurface	100	1.0	U	1.0	U	1.0	U

N/A - not available
* - Value listed for Chlordane
*** - As per TAGM #4046, Total Pesticides < 10 ppm
U - Not Detected
J - Value is estimated

TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-38B (2-4 BLS)		GP-39A (0-2 BLS)		GP-40F (10-11.5 BLS)		GP-41A (0-2 BLS)		GP-42A (0-2 BLS)		GP-43A (0-2.5 BLS)		GP-44A (0-2 BLS)		GP-45A (0-2 BLS)		GP-46A (0-2.5 BLS)
Lab Sample ID	TAGM 4046	991556A-02		991556A-05		991556A-13		991556A-14		991556A-16		991556A-18		991556A-19		991556A-20		991556A-21
Date Sampled	Recommended	07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99		07/07/99
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00
Method Blank	Objective	N080399		N080399		N080399		N080399		N080399		N080399		N080399		N080399		N080399
Units	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg
Analytes																		
Aluminum	33,000	13200		18300		15700		22400		16400		18600		18800		17300		19900
Antimony		R		R		R		2.3	BJ	R		R		R		R		R
Arsenic	7.5	2.2	J	7.4	J	2.6	J	5.5	J	3.0	J	2.0	J	4.0	J	2.5	J	3.9
Barium	300	91.3		365		247.		316.		245.		1406		589.		280.		411.
Beryllium	0.16	0.42	B	0.24	B	0.34	B	0.69	B	0.42	B	0.25	B	0.33	B	0.34	B	0.56
Cadmium	1	0.16	UJ	0.16	UJ	0.15	UJ	0.16	UJ	0.11	UJ	0.19	UJ	0.18	UJ	0.15	UJ	0.18
Calcium	35,000	2550	U	9730	U	6820	U	23000	U	7060	U	8740	U	9520	UJ	8150	U	9000
Chromium	10	29.7		92.1		66.9		88.4		70.0		119.		88.6		84.9		114.
Cobalt	30	8.2		12.7		10.5		11.8		11.6		13.1		11.8		13.5		15.7
Copper	25	26.3	J	130.	J	43.3	J	116.	J	30.0	J	22.8	J	167.	J	37.9	J	66.1
Iron	550,000	22800		51600		27900		48600		28600		29500		39300		31300		35300
Lead		11.2	J	221.	J	108.	J	216.	J	49.9	J	15.2	J	161.	J	29.9	J	55.7
Magnesium	5,000	5020		14800		11500		12200		14900		19300		15700		16000		18200
Manganese	5,000	261		618.		410.		798.		479.		455.		491.		500.		533.
Mercury	0.1	0.018	U	0.11		0.082		0.36		0.028	B	0.015	U	0.16		0.017	U	0.019
Nickel	13	17.9		43.4		35.3		80.4		37.2		50.5		39.2		36.1		46.0
Potassium	43,000	2390		11700		7250		8480		8890		14700		10200		10900		13700
Selenium	2	3.3	U	2.7	U	2.7	U	0.82	U	2.8	U	0.95	U	2.2	U	2.0	U	2.5
Silver		0.16	U	0.44	B	0.23	B	1.1	B	0.11	U	0.19	U	0.40	B	0.15	U	0.57
Sodium	8,000	200	B	548.	B	284.	B	700.	B	254.	B	658.	B	569.	B	605.	B	924.
Thallium		4.6	UJ	6.0	UJ	4.3	UJ	2.5	UJ	5.6	UJ	5.0	UJ	5.2	UJ	5.8	UJ	8.6
Vanadium	150	27.0		52.6		40.6		42.1		43.2		59.7		50.0		54.5		59.4
Zinc	20	61		358		183		517		100		72.0		313.		102.		144.

U - Not Detected
J - Value is estimated
B - Value reported is between the CRDL and the IDL
R - Value has been rejected due to QC deficiency

TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-47A (0-0.5 BLS)		FIELD BLANK-1		DUPLICATE-1A		GP-22A (0-2 BLS)		GP-25A (0-2.5 BLS)		GP-26A/B (0-3 BLS)		GP-27A (0-2 BLS)		GP-28C (4-5 BLS)	
Lab Sample ID	TAGM 4046	991556A-22		991556A-24		991556A-26		991556B-01		991556B-03		991556B-04		991556B-05		991556B-09	
Date Sampled	Recommended	07/07/99		07/07/99		07/07/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99	
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective	N080399		D080399		N080399		D080599		D080599		D080599		D080599		D080599	
Units	mg/Kg	mg/Kg		ug/L		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Analytes																	
Aluminum	33,000		12300		31.9	B	10100		17000	J	17500	J	17400	J	15200	J	16800	J
Antimony			R		9.0	UJ	R		R		R		R		R		R	
Arsenic	7.5	J	13.2	J	8.0	U	1.8	J	5.7	U	3.7	U	4.6	UJ	4.3	U	5.6	U
Barium	300		149.		3.1	B	150.		179		318.		336.		310.		243.	
Beryllium	0.16	B	0.19	B	1.0	U	0.19	B	0.41	B	0.40	B	0.25	B	0.22	B	0.30	B
Cadmium	1	UJ	0.28	BJ	1.0	U	0.14	UJ	R		R		R		R		R	
Calcium	35,000	UJ	7950	U	27100		5540	U	4340		10000		12400		28200		7110	
Chromium	10		48.0		1.0	U	40.5		62.0		87.3		88.2		81.0		80.9	
Cobalt	30		8.8		1.0	U	7.7		10.6		13.6		13.5		11.9		12.2	
Copper	25	J	132	J	1.0	U	62.7	J	44.5		33.5		60.3		22.2		33.2	
Iron	550,000		25500		34.5	B	22000		25800		35100		38400		29400		30100	
Lead		J	66.5	J	3.6	J	40.6	J	26.6	J	26.4	J	69.5	J	14.0	J	42.1	J
Magnesium	5,000		8450		3380	B	7640		10300		17300		16800		21800		13900	
Manganese	5,000		433.		2.2	B	319.		388.		493.		532.		451.		472.	
Mercury	0.1	B	0.029	B	0.10	U	0.097		0.096	J	0.012	BJ	0.029	BJ	0.011	U	0.060	J
Nickel	13		28.1		2.0	U	23.2		30.8		36.7		44.0		33.3		35.0	
Potassium	43,000		4280		609.	B	4000		6490	J	11000	J	12500	J	12500	J	10200	J
Selenium	2	U	0.67	U	5.0	UJ	2.2	U	0.59	UJ	2.0	UJ	1.5	UJ	0.75	UJ	2.5	UJ
Silver		B	0.13	U	8.0	U	0.14	U	0.12	U	0.15	U	0.66	B	0.15	U	0.16	U
Sodium	8,000		1210		2990	B	1030		142.	BJ	518.	B	1090		523.	B	259.	B
Thallium		UJ	4.8	UJ	10.0	UJ	4.2	UJ	6.0		6.7	J	7.2	J	8.5	J	7.1	J
Vanadium	150		45.8		1.0	U	34.8		42.3		53.8		53.8		53.4		45.2	
Zinc	20		148.		11.3	B	96.6		67.5	J	94.8	J	191.	J	70.2	J	101.	J

U - Not Detected
J - Value is estimated
B - Value reported is between the CRDL and the IDL
R - Value has been rejected due to QC deficiency

TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-29A (0-2 BLS)		GP-30A (0-2 BLS)		GP-32B/C (2-6 BLS)		GP-34B (2-4 BLS)		DUPLICATE-2		FIELD BLANK-2		GP-31C (4-6 BLS)		GP-33A (0-2 BLS)		GP-35A (0-2 BLS)
Lab Sample ID	TAGM 4046	991556B-10		991556B-11		991556B-13		991556B-15		991556B-16		991556B-17		991556C-03		991556C-05		991556C-06
Date Sampled	Recommended	07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/08/99		07/09/99		07/09/99		07/09/99
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00
Method Blank	Objective	D080599		D080599		D080599		D080599		D080599		D080499						
Units	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		ug/L		mg/Kg		mg/Kg		mg/Kg
Analytes																		
Aluminum	33,000	17100	J	15200	J	13800	J	15900	J	17700	J	20.0	U	11600		19600		18200
Antimony		R		R		R		R		R		9.0	UJ	3.8	BJ	1.3	UJ	2.8
Arsenic	7.5	4.8	U	4.8	U	4.2	U	3.6	U	4.4	U	8.0	U	12.0	U	5.2	U	8.6
Barium	300	273.		288.		164.		212.		309.		1.0	U	1240		303.		293.
Beryllium	0.16	0.19	B	0.23	B	0.41	B	0.15	B	0.30	B	1.0	U	0.23	U	0.37		0.21
Cadmium	1	R		R		R		R		R		1.0	U	2.6		0.15	U	1.7
Calcium	35,000	15800		7040		3780		5590		10000		47.9	B	22300		6990		11600
Chromium	10	93.9		73.2		52.9		89.0		88.1		1.0	U	36.5		295.2		93.0
Cobalt	30	13.7		12.6		10.7		13.7		13.3		1.0	U	10.6	BJ	15.2	J	12.7
Copper	25	36.8		43.9		19.6		22.3		38.6		1.0	U	209.	J	49.4	J	382.
Iron	550,000	33100		30300		23600		29400		32600		29.0	U	50200		35100		84800
Lead		17.5	J	27.3	J	4.9	J	6.2	J	41.3	J	3.0	U	5120	J	37.6	J	500.
Magnesium	5,000	22000		13700		9560		15700		16500		22.0	U	4540		15900		9300
Manganese	5,000	482.		412.		551.		424.		460.		4.4	B	470.		549.		653.
Mercury	0.1	0.012	U	0.019	BJ	0.010	U	0.0096	BJ	0.031	BJ	0.10	U	0.11		0.037		64.5
Nickel	13	40.8		32.3		25.3		41.5		37.6		2.4	B	31.4	J	44.0	J	62.0
Potassium	43,000	13600	J	10500	J	5250	J	13200	J	12000	J	64.2	B	2660		11200		6790
Selenium	2	1.3	UJ	1.5	UJ	1.3		0.76	UJ	0.89	UJ	14.6	J	1.1	UJ	0.88	UJ	3.7
Silver		0.16	U	0.12	U	0.14	U	0.15	U	0.18	U	8.0	U	2.6		0.15	U	2.6
Sodium	8,000	805.		578.	B	392.	B	339.	B	870.	BJ	81.4	B	1620	J	229.	BJ	360.
Thallium		5.5	J	6.3	J	9.2	J	7.2	J	6.0	J	10.0	UJ	8.0	J	5.8	J	14.4
Vanadium	150	59.2		45.4		35.3		49.5		53.1		1.0	U	37.8		58.3		40.7
Zinc	20	76.8	J	79.4	J	71.6	J	64.5	J	116.	J	10.0	UJ	1370	J	114	J	928.

U - Not Detected
J - Value is estimated
B - Value reported is between the CRDL and the IDL
R - Value has been rejected due to QC deficiency

TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		GP-36A (0-3 BLS)		GP-37A (0-2 BLS)		GP-48B (2-4 BLS)		EAST SWAMP SEDIMENT		UPPER POND SEDIMENT		LOWER POND SEDIMENT		NW CATCH BASIN		DUPLICATE-3	
Lab Sample ID	TAGM 4046	991556C-07		991556C-08		991556C-13		991556C-15		991556C-16		991556C-17		991556C-18		991556C-19	
Date Sampled	Recommended	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective																
Units	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Analytes																	
Aluminum	33,000		13700		17400		7230		16500		5910		16600		10700		15400	
Antimony		BJ	6.7	BJ	2.5	BJ	1.2	UJ	7.8	BJ	2.0	UJ	3.8	UJ	2.0	BJ	3.9	BJ
Arsenic	7.5	U	13.0	U	8.8	U	4.2	U	7.8	U	5.7	U	13.0	U	7.0	U	9.0	U
Barium	300		290.		255.		73.1		314		54.3		125.		139.		331.	
Beryllium	0.16	U	0.21	U	0.21		0.25	B	1.9		0.26		0.65	B	0.16	U	0.20	U
Cadmium	1		2.3		1.7		0.28	B	0.59	U	0.39		2.4		0.66	B	3.4	
Calcium	35,000		23400		9950		3570		5450		17700		14100		5590		13600	
Chromium	10		107.		86.7		19.2		25.3		15.7		53.8		44.8		71.3	
Cobalt	30	J	11.2	J	11.7	J	4.6	BJ	2.3	BJ	5.0	BJ	14.2	BJ	9.2	J	10.2	J
Copper	25	J	731.	J	1490	J	60.0	J	28.3	J	77.2	J	109.	J	74.6	J	725.	J
Iron	550,000		109000		55400		12900		5020		13400		28600		56200		71600	
Lead		J	997.	J	342.	J	38.5	J	99.9	J	16.9	J	109.	J	169.	J	595.	J
Magnesium	5,000		5410		8270		3410		1400	B	10600		12400		6760		6540	
Manganese	5,000		962.		593.		146.		68.2		152.		230.		461.		659.	
Mercury	0.1		0.0099	U	0.37		0.038		0.38		0.010	BJ	0.19		0.070		0.38	
Nickel	13	J	48.9	J	51.2	J	11.6	J	15.4	BJ	13.7	J	58.5	J	38.6	J	51.0	J
Potassium	43,000		4180		4550		1950		725.	B	1360		3700		1820		5060	
Selenium	2	UJ	5.3	UJ	3.6	UJ	0.68	UJ	2.9	UJ	3.1	UJ	2.1	UJ	2.6	UJ	1.0	UJ
Silver			2.6		1.4	B	0.14	U	0.59	U	0.22	U	0.42	U	0.46	B	5.0	
Sodium	8,000	BJ	718.	BJ	321.	BJ	133.	U	326.	BJ	278.	BJ	1800	BJ	253.	BJ	897.	BJ
Thallium		J	15.4	J	9.6	J	1.4	UJ	6.1	J	2.2	UJ	6.5	J	7.2	J	10.0	J
Vanadium	150		31.6		37.6		18.8		27.4	B	20.1		67.3		106.		31.5	
Zinc	20	J	957.	J	710.	J	69.1	U	65.7	U	157.	J	874.	J	341.	J	1070	J

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R - Value has been rejected due to QC deficiency

Tal

TAL Metals Results
500 Mamaroneck Associates
ERM Project Number X8101.00.603.xls

Client ID		FIELD BLANK-3		SUPPLY WELL		UPPER POND WATER		EAST SWAMP WATER		AQUEOUS DUPLICATE	
Lab Sample ID	TAGM 4046	991556C-20		991557A-01		991557A-02		991557A-03		991557A-04	
Date Sampled	Recommended	07/09/99		07/09/99		07/09/99		07/09/99		07/09/99	
Dilution	Soil Clean-Up	1.00		1.00		1.00		1.00		1.00	
Method Blank	Objective			D080499		D080499		D080499		D080499	
Units	mg/Kg	ug/L		ug/L		ug/L		ug/L		mg/L	
Analytes											
Aluminum	33,000	20.0	U	20.0	U	321.		514.		22.1	B
Antimony		9.0	U	9.0	U	9.0	U	9.0	U	9.0	U
Arsenic	7.5	8.0	U	8.0	U	8.0	U	8.0	U	8.0	U
Barium	300	1.0	U	240.		197.	B	56.5	B	234.	
Beryllium	0.16	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	1	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	35,000	76.7		102000	J	68600	J	7830	J	99100	J
Chromium	10	1.0	U	1.0	U	1.3	B	1.7	B	1.0	U
Cobalt	30	1.0	U	1.0	U	1.0	U	1.2	B	1.0	U
Copper	25	1.0	U	1.0	U	9.3	U	2.2	U	1.0	U
Iron	550,000	29.0	U	29.0	U	650.		2160		34.4	B
Lead		3.0	U	3.0	U	3.0	U	11.2		3.0	U
Magnesium	5,000	22.0	U	20000		16300		2540	B	19500	
Manganese	5,000	5.5		87.7		40.1		127.		96.9	
Mercury	0.1	0.10	U	0.14	B	0.10	U	0.17	B	0.10	U
Nickel	13	2.0	U	2.0	U	2.4	B	4.6	B	2.0	U
Potassium	43,000	39.0		6470		7460		1640	B	6400	
Selenium	2	12.5		17.6	U	11.5	U	22.7	U	12.5	U
Silver		8.0	U	8.0	U	8.0	U	8.0	U	8.0	U
Sodium	8,000	86.1		98300	J	79200	J	13000	J	95900	J
Thallium		10.0	U	10.0	UJ	10.0	UJ	10.0	UJ	10.0	UJ
Vanadium	150	1.0	U	1.0	U	4.2	B	3.3	B	1.0	U
Zinc	20	10.4		10.0	U	18.0	BJ	30.0	J	16.6	BJ

U - Not Detected
J - Value is estimated
B - Value reported is between the CRDL and the IDL
R - Value has been rejected due to QC deficiency

Appendices

A

APPENDIX A

Supplemental Work Plan and NYSDEC Comments

ENVIRONMENTAL RESOURCES MANAGEMENT

SUPPLEMENTARY SITE INVESTIGATION WORK PLAN

500 Mamaroneck Avenue

December 1998

Prepared for:

500 Mamaroneck Avenue
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, New York 11797

ERM

SUPPLEMENTARY SITE INVESTIGATION WORK PLAN

500 Mamaroneck Avenue

December 1998

Prepared for:

500 Mamaroneck Avenue
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, New York 11797

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1.0 *INTRODUCTION*

Environmental Resources Management (ERM) is submitting this work for additional investigation at 500 Mamaroneck Avenue, Harrison, New York on behalf of 500 Mamaroneck Avenue Associates. The workplan has been prepared as part of the Voluntary Cleanup Program Application.

Previous studies conducted at the site have revealed limited impacts from past activities. In June 1998, ERM concluded that remediation was not warranted. The additional work proposed below, is offered to further support that conclusion.

1.1 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2 *STUDY AREA DESCRIPTION AND HISTORY*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. Almost 340,000 cubic yards of rock and earth was removed. This includes bituminous paved parking areas parking covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the

property is located to the east of the office complex and serves as a buffer for the residences further to the east.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small wetland area is located in the north-central portion of the property, immediately east of the northern portion of the parking area. Water is provided by the local municipal system. One 350 - foot deep well supplies water to a decorative waterfall on the property. Sanitary waste is handled via the municipal sewer system.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.3 *PREVIOUS STUDIES*

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997, Dames & Moore, Inc., 1998 (late February or early

March) and ERM, June, 1998. Except for the ERM sampling, the earlier investigations were generally Phase I type Environmental Assessments, however, the Dames & Moore, GZA, ERL and USHI did collect limited soil and/or groundwater samples.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain debris from past Municipal Solid Waste (MSW) operations (see Figure 2). The samples were composited and analyzed for priority pollutant metals after extraction following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 2). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 2). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be slightly elevated, they are consistent with typical soil metals concentrations from urban settings and do not indicate contamination from operation of the incinerator.

Dames & Moore collected soil and groundwater samples. Initially they proposed the installation of 8 soil borings, however, 2 of their borings were not installed due to the presence of underground utilities. Figure 2 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs , PAH and PCB semi-volatile organic compounds (SVOCs) and RCRA metals.

No VOCs exceeded regulatory guidelines in any of the six soil samples collected. Dames & Moore's data indicated that the PAHs and PCBs exceed regulatory guidelines in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (μg/kg), chrysene at 670 μg/kg and benzo(a)anthracene at 600 μg/kg. The PCB concentration in this sample was 13,000 μg/kg of Aroclor 1242. The report also states that RCRA metals exceed regulatory guidelines in all of the samples. However, that conclusion is based on a total metals analysis of the soils. Considering the proximity of bedrock at the site, < 0.5 - foot in some cases, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock

Groundwater samples were collected from the existing on-site well and from borehole No 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameters were detected above its respective regulatory guidance criterion.

The soil sampling carried out by ERM detected PAHs and PCBs above regulatory guidance criteria in 6 soil samples out of the 46 collected at the 500 Mamaroneck Avenue site. Four of the six samples exceeding the regulatory guidance criteria were re-analyzed using the TCLP leaching procedure. The concentrations of PAHs and PCBs in these latter four

samples were below regulatory guidance, indicating that these compounds (PAHs and PCBs) are not mobile.

The PAH and PCBs are associated with samples where there is a greater thickness of soil, specifically along the southern parking lot boundary and in front of the building. The PAHs and PCBs were generally detected in samples collect at depths greater than 3-feet below land surface. However, it must be pointed out that in general there is only a thin mantel of soil above the bedrock at the site. This is consistent with the observation that more than 340,000 cubic yards of soil and bedrock were removed from the site during construction of the building complex.

1.4 *DATA GAPS*

As discussed above, the 500 Mamaroneck Avenue site was the location of the former Town of Harrison Municipal Incinerator. An MSW transfer station apparently was also operated on the site. Available historic data should be reviewed to confirm where these activities occurred.

The ERM and Dames & Moore sampling efforts identified 4 areas where residual PAHs and PCBs exceed soil cleanup guidelines. As discussed above, more than 340,00 cubic yards of soil and rock were excavated from the site when the building was constructed. The excavation apparently left only a thin verneer of soil over the underlying bedrock. This was confirmed by the depth to bedrock observed during the installation of borings in the June 1998 investigation. A better understanding of the volume of soil present over the bedrock surface in areas where residual contamination was observed would provide a means of evaluating whether there is sufficient soil to represent a significant source of contamination. Determination of the volume of soil in those areas would also permit calculation of the cost to remove the residual contaminants if that became a potential remedial option.

The presence of underground utilities prompted ERM to locate sampling points away from the interior and more toward the perimeter of the site. It was determined that the collection of additional samples in the central site area, in areas where past activities may have occurred and adjacent to areas where residual contamination was observed, might provide a better definition of on-site contamination. If the results of the proposed sampling are consistent with the data for previous sampling, the data could be used to support the current no-action remedial decision.

2.0 *PROPOSED SCOPE OF WORK*

2.1 *REVIEW OF AERIAL PHOTOGRAPHS*

To the best of our knowledge, there are no data or reports available regarding operation and demolition of the former Town of Harrison Municipal Incinerator and/or Transfer Station. Therefore to better understand the location and operations of the incinerator and transfer station, ERM proposes that existing aerial photographs be reviewed. Available aerial photographs from the Westchester County Department of Public Works, Town of Harrison and commercial environmental databases (if necessary) will be reviewed and used to prepare a chronology of where/when development and usage of the property occurred. These data will be correlated with existing sampling locations to determine if areas potentially impacted by past operations have been sampled. If potentially impacted areas have not been sampled, the sampling points, proposed below will be adjusted to provide data from these areas.

2.2 *GEOPHYSICAL SURVEY OF KNOWN IMPACTED AREAS*

A geophysical survey will be carried out to determine the elevation of the top of the bedrock in areas where residual materials have been detected (PAHs, PCBs). The areas to be surveyed are presented on Figure 3. In addition, the survey data will aid in the placement of additional soil borings to better define the extent of any contamination and together with the analytical results from the soil boring programs, be used to estimate the volume of soil potentially impacted.

The geophysical survey will also be carried out to locate underground utilities so that additional samples can be collected from the central site area where the utilities are located. Determination of the volume of soil

present in areas where residual contamination is present will permit evaluation of potential exposure risks and permit estimation of the cost of remedial activities (soil removal, if necessary). The geophysical techniques likely to be used are seismic refraction, ground penetrating radar and electromagnetic surveys.

2.3 *INSTALLATION OF ADDITIONAL SOIL BORINGS*

An additional round of soil boring installation will be carried out to define the limits of areas known to contain residual materials and to more fully characterize soil quality at the site. As shown of Figure 3, **26** new borings are proposed for installation (the exact number will be determined by site conditions, i.e., if a boring can be installed in the desired location). The exact locations of the borings may be adjusted as a result of the aerial photography review and consultation with the NYSDEC. Based on previous sampling activities, ERM proposes to analyze the soil collected from the borings for PAHs and PCBs. Field screening will also be carried out to confirm the absence of volatile organic compounds (VOCs). Finally, as in the earlier ERM investigation, prior to selection of samples for laboratory analysis, soil samples will be screened for PCBs and PAHs using field immunoassay testing. Borings will be installed using either a GeoProbe or Tripod rig. The exact scope of the boring program to be undertaken will be determined in consultation with the NYSDEC, after they have completed review of the ERM June 1998 Site Assessment report.

2.4 *REPORT PREPARATION*

The results of the soil-boring program will be complied and a report summarizing the results of the current investigation will be prepared and submitted to the NYSDEC. In addition to presenting the investigation results, the report will evaluate the extent of the residual material(s), the potential for impacts and exposure, and the need for remedial activities,

based on all existing site data. If the data collected during this supplementary site investigation are not significantly different than the other data collected to date, it is our goal that no further investigation or remedial action will be required, and that a letter be issued to that effect.

New York State Department of Environmental Conservation
Region 3, Division of Hazardous Waste Remediation
21 South Putt Corners Rd., New Paltz, NY 12561-1696
Telephone: (914) 256-3000 FAX: (914) 255-3414

John P. Cahill
Commissioner

April 5, 1999

DRAFT

Mr. Thomas Julius
Schulman Management Corporation
500 Mamaroneck Avenue
Harrison, New York 10528

RE: COMMENTS FOR VOLUNTARY SITE REPORT (6/98) AND WORK PLAN (12/98) AT 500 MAMARONECK AVENUE, HARRISON, N Y

Dear Mr. Julius:

The following are the DECs comments for the above reports.

Site Assessment Report:

1-General: The DEC reviews soil and groundwater data for compliance with TAGM 4046 and New York State Groundwater (Water Quality Regulations, Title 6, Chapter X Part 703) Standards. These standards must be considered for determining the appropriate remedial action that might be required to address a site. The data presented in the report states that Metals, PAHs and PCBs are contaminating site soils above recommended cleanup levels and therefore should be addressed in accordance to these standards. The paved parking area is not an acceptable remedial engineering practice used to address contaminated soils at a site. The mobility of the above contaminants is not the deciding factor for addressing these soils with a no action remedy. Please review all of the data based on the above compliance and present the Department with your revised conclusions for this report.

2-Page 1-3, second paragraph: How large is the "wet area" and is it a designated wetland. Please provide the Department with more information concerning this area.

3-Page 1-3, first paragraph: The "shallow well" that supplies the waterfall is stated to be 350 feet deep(see pg. 1-2 of the Work Plan). If this is in fact the depth of the well please omit the term "shallow," because this is misleading.

4-Throughout the report: When terms such as,..."respective regulatory guidance criterion,"..... "below relevant standards,"...and "method detection limits" are used, they must be qualified. Please qualify these terms where appropriate in the report and work plan.

5-Page 1-5, last paragraph: The statement on the RCRA metals results. Please refer to comment number 1 and revise this section based on the data and those standards. The TCLP is used for disposal and site registry listing purposes and not as a means for determining site cleanup goals (or a no action recommendation). Any additional sampling for metals will require a TAL analysis, which will provide the criteria on how the results could be addressed.

DRAFT

6-Page 1-5: What are the "typical soil metal concentrations for urban settings" for this site. Please explain.

7-Page 2-3: The 21 soil borings were analyzed using EPA , RCRA methods and later the extracted samples used the TCLP to assess mobility of PAHs and PCBs. The mobility of these compounds is not the issue in determining the remedial action level to be taken at this site. Refer to comment number 1.

Supplementary Site Investigation Work Plan:

A -Page 2-2, sec. 2.3: The TCL (Target Compound List) should be the protocol used for the 26 additional sampling locations that you have purposed. The following parameters should be run: semi-volatiles, PCBs and TAL (inorganic target analyte list) for metals. One other reason for running metals is stated in your June 98 report on page1-6.

B -Page 1-4: The consultant, Dames & Moore, sampled on-site groundwater (W-1 and borehole No.3) and analyzed for VOCs and RCRA metals. The site well (W-1) needs to have the full TCL run, which includes: volatiles, semi-volitiles, BTEX, acid extractable, pesticides/PCBs and inoganics (TAL). Please state this in the revised work plan. The Department would also like to see the two on-site ponds sampled, which would include both surface water and sediment. The same set of parameters (TCL and TAL) should be run for these samples.

C -Page 1-2: It is stated that the on-site waterfall supply well (W-1) is 350 feet deep, yet on page 1-3 of the site assessment report you refer to it as a"shallow well." If this is in fact the depth of the well please omit the word "shallow", because it is misleading to the general public.

Please provide the Department with the above information in your revised reports. If you have any questions or concerns, please contact me at 914/256-3153. Thank you.

Sincerely:

Robert Smith / DER

cc: R. Pergadia
R. Rusinko, Esq., DEE
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John P. Cahill
Commissioner

May 4,1999

Mr. Thomas Julius
Schulman Management Corporation
500 Mamaroneck Avenue
Harrison, New York 10528

RE: ADDITIONAL COMMENTS FOR VOLUNTARY SITE REPORT (6/98) AND WORK PLAN (12/98) FOR 500 MAMARONECK AVENUE, HARRISON, N Y, VOLUNTARY SITE NUMBER D-172

Dear Mr. Julius:

The following are the DECs additional comments for the above reports.

Site Assessment Report:

1-Page 1-6, second paragraph. Should specify that the groundwater was tested for BTEX compounds only.

2-Page 2-1, second paragraph. The fifth sentence states that volatile organic compounds (VOCs) were not detected except for common laboratory contaminants, such as acetone and methyl ethyl ketone (MEK). Quality Control/Quality Analysis data should be provided to determine if acetone and MEK were detected in field or laboratory blanks.

3-Page 3-2, third paragraph, last sentence. It states that TAGM 4046 cleanup criteria is based on direct contact with PAH contaminated soils. It should state that TAGM 4046 is based on the protection of groundwater. Please correct.

4-General. Site location maps for the two reports should include a north facing arrow icon.

5-On-Site Contaminated Soils:

A.) Location GP-11A soils from 0-3"have a recorded PCB level of 4.2 ppm. The cleanup level found in TAGM 4046 states that soils from 0 to 2' be cleaned up to1 ppm. This location needs to be further investigated and the soils remediated.

B.) Locations GP-12A/B, 13A, 19B/C, 19E/F, 20A and 21A soils are contaminated with PAHs above the TAGM 4046 recommended cleanup levels. Please provide a remediation plan that addresses these contaminated soil locations.

DRAFT
Quality Assurance Guidelines for Voluntary Cleanup Sites

A separate Quality Assurance Project Plan (QAPjP) is not required when the following quality assurance points are included in the Work Plan:

1. Project description and project goals. Include the site environmental history and the results of any previous sampling.

2. Project organization, including designation of the Project Manager, Quality Assurance Officer and Field Analyst, if field analysis is planned. These resumes should be included in the Work Plan Appendix.

3. Sampling procedure and equipment decon procedures. Include a sample chart that specifies the sample matrix, number of samples, analysis methods and data reporting level. EPA or NYSDEC Analytical Services Protocol (ASP) methods are acceptable. Also include a site map that shows proposed sampling sites and previous sampling results.

4. The laboratory must be named in the Work Plan and must be NYSDOH ELAP certified for the planned analyses. It most cases, the investigation and cleanup confirmation sample analysis reporting level will be NYSDEC ASP Category B deliverables*, in order to fully evaluate and document the project. When Category B deliverables are required, the laboratory must be NYSDOH ELAP CLP certified, since the CLP certification program evaluates the proficiency of the laboratory in the quality control parameters required by the analytical methods and the reporting format for the Category B deliverables package. On sites where we already have valid and usable investigative data, verified by Category B deliverables, intermediate samples (SPDES, interim remedial measures (IRM) and construction samples) usually only require a standard, one page, analysis report.

5. Include Standard Operating Procedures (SOPs) for field instruments and field screening methods.

6. Data validation is not required. The data should be evaluated according to the Division of Environmental Remediation (DER) Data Usability Summary Report (DUSR) guidelines.

* This reporting level gives the necessary documentation that will be reviewed to evaluate the usability of the data (see #6). It also gives calibration data that is needed to verify "not-detected" analytes that are possible compounds of concern, as indicated by site history or previous screening level data.

New York State Department of Environmental Conservation
Division of Environmental Remediation

Guidance for the Development of Data Usability Summary Reports

Background:

The Data Usability Summary Report (DUSR) provides a thorough evaluation of analytical data without the costly and time consuming process of third party data validation. The primary objective of a DUSR is to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and data use.

Though the substitution of a DUSR for a full third party data validation may seem to be a relaxation of the Division's quality assurance requirements, this is definitely not the case. The development of the DUSR must be carried out by an experienced environmental scientist, such as the project Quality Assurance Officer, who is fully capable of conducting a full data validation. Furthermore, the DUSR is developed from a full New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B or a United States Environmental Protection Agency Contract Laboratory Protocol (USEPA CLP) deliverables package.

The DUSR and the data deliverables package will be reviewed by the Division's Quality Assurance Unit. In most cases, we expect that this review will result in agreement or with only minor differences that can be easily reconciled. If data validation is found to be necessary (e.g. pending litigation) this can be carried out at a later date on the same data package used for the development of the DUSR.

Personnel Requirements:

The Environmental Scientist preparing the DUSR must hold a Bachelors Degree in a relevant natural or physical science or field of engineering and must submit a resume to the Division's Quality Assurance Unit documenting experience in environmental sampling, analysis and data review.

B

APPENDIX B

Previous Reports
Coneco Investigation - June 1999
ERM-Northeast - June 1998
* *Dames & Moore – March 1998*
* *AKRF – April 1997*
* *US Hydrogeologic – October 1989*
* *Environmental Risk Limited – April 1988*
* *Merritt & Harris – July 1987*

* Contained in June 1998 ERM Northeast Report

Coneco Investigation - June 1999

SUBSURFACE INVESTIGATION
500 MAMARONECK AVENUE
HARRISON, NEW YORK

PREPARED FOR:

W & M PROPERTIES, INC.
ONE STATION PLACE
METRO CENTER
STAMFORD, CONNECTICUT 06902

PREPARED BY:

CONECO ENVIRONMENTAL CORPORATION
90 NATIONAL DRIVE
GLASTONBURY, CONNECTICUT 06033

JUNE 1999

WORK ORDER NO. C118

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1.0 Background

In May 1998, Environmental Resources Management (ERM) performed a subsurface investigation at 500 Mamaroneck Avenue in Harrison, New York, hereinafter, the "Site" in an effort to define the extent of potential impacts from past activities. Twenty-one soil borings were performed in areas of the greatest thickness of overburden soil. Approximate Soil boring locations are presented in Figure 3. Soils collected from the borings were analyzed for Polycyclic Aromatic Hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs), and RCRA eight metals (silver, arsenic, barium, cadmium, chromium, mercury, lead, and selenium).

The results of the soil sample analysis indicated the presence of PAHs and PCBs in several soil boring locations at concentrations which exceed the New York State Department of Environmental Conservation (NYDEC) Division Technical and Administrative Guidance Memorandum (TAGM) 4046 (January 1994). TAGM 4046 was developed to act as a guidance document and as such provides a basis and procedure to determine cleanup levels. Typically the NYDEC uses the TAGM 4046 document to develop cleanup objectives for individual sites prior to the commencement of any remedial activities.

The investigation performed by ERM identified concentrations of PCBs ranging from 56 ug/kg (ppb) to 4,200 ppb. The 4,200 ppb concentration for PCBs exceeds the surficial total PCB clean-up criterion established at 1,000 ppb. In addition, several individual PAH compounds were detected at levels exceeding the cleanup objectives of NYDEC TAGM 4046. Concentrations of PAHs ranging from 110 ppb to 7,800 ppb.

2.0 Site Subsurface Investigation

The proposed subsurface investigation intended to evaluate whether there is evidence that a release of hazardous substances has occurred at the Site from historic operations. Tax records maintained by the Town of Harrison (Harrison) indicate that the Site is the former location of the Harrison Incinerator and Transfer Station. The Site was reportedly used for this purpose from 1954 until it was demolished in 1984. Toward that end, a program of subsurface investigation was conducted to evaluate the extent of PAH, PCB, total metals and volatile organic compound (VOC) contamination in areas previously identified as having elevated levels of PAHs and PCBs in the soil.

The subsurface investigation would better define the limits of areas known to contain residual materials and determine if these materials are a significant source of contamination. The investigation would allow for a more comprehensive characterization of the soil and groundwater quality on-Site.

To accomplish these goals, CONECO performed the following tasks:

2.1 Site Preparation Activities:

A site-specific health and safety plan (HASP), as required by the U.S. Occupational Health and Safety Agency (OSHA) and the New York State Department of Environmental Conservation (NYDEC) was prepared. All CONECO personnel adhered to this HASP during the fieldwork.

CONECO contacted Call-Before-You-Dig of New York to locate and mark-out underground utilities at the Site prior to commencement of the subsurface investigation soil boring program.

CONECO also reviewed available Site utility drawings provided by the Office Complex engineer to gain additional information as to possible underground utility locations including sanitary sewer, storm sewer, underground storage tank, and parking lot lighting electrical lines.

2.2 Soil Boring Methodology:

CONECO proposed to utilize *Geoprobe* boring to investigate and sample the subsurface soils at the Site. The *Geoprobe* is a hydraulically powered soil probing machine, which uses static force and a percussion hammer to advance small diameter sampling tools into the subsurface to collect soil cores. CONECO subcontracted the *GeoProbe* boring operations to Brooks Laboratories, Inc. (Brooks Lab.) located in Norwalk, CT. All *Geoprobe* borings were performed under the supervision of a CONECO Engineer using the "direct push macro-core" method. Typically each boring was advanced to a depth of 10-feet or until refusal.

A total of fifty-nine (59) borings were performed across the Site. The borings are identified as B-1, B-2, B-3, ... B-24, B-24A, ... B-27, B-27A, ... B-57. Figure 1 identifies the location of each CONECO *GeoProbe* borings. *GeoProbe* boring operations commenced on March 8, 1999, at 9:00 am. Boring No.s B-1 and B-2 were completed before operations ceased at the request of the property owner.

GeoProbe boring operations recommenced on March 29 and continued through March 30, completing boring No.s B-3, B-4 ... B-48. A second set of *Geoprobe* borings were performed on April 15, 1999, which included boring No.s B-49 ... B-57. The boring locations were placed where previous subsurface investigations indicated elevated concentrations of contaminants above TAGM 4046 cleanup levels. The general areas of subsurface investigation included the following:

- Areas north and south of the ERM borings GP-11, GP-12 and GP-13 where elevated concentrations of PAHs and PCBs were detected;

- area west of the office complex, adjacent to the former incinerator and previously performed ERM boring GP-19 where elevated concentrations of PAHs were detected, and

- areas to the north of the office complex around the previously performed ERM boring GP-20 where elevated concentrations of PAHs were detected.

Addition *GeoProbe* borings were located in areas across the Site that were determined to not be sufficiently characterized during previous investigations performed by others. The approximate locations for these borings include the most eastern, northern and south-central portions of the Site.

Continuous two-foot soil samples were collected at each boring location and cataloged into the Field Logs. The Field Logs provide a description of the undisturbed subsurface soils as they are retrieved by the *GeoProbe* macro-core assembly. This method of sampling employs a disposable clear plastic liner to retrieve each discrete continuous soil sample. The clear plastic liners prevent cross contamination between the individual soil sample intervals and allows for a visually inspected of each 2-foot continuous soil sample. The macro-core sampler assembly was decontaminated between the retrieval of each soil sample retrieval using a detergent wash followed by distilled water rinsing.

A photograph of the macro-core method of sample retrieval is presented in Appendix A, Property Photographs. Field Boring Logs prepared by CONECO provide a description of soil characteristics and observations of the presence or absence of contamination. Specifically, visual, textural and olfactory observations, and volatile organic compound (VOC) screening results are indicated in these field logs. Field logs are presented in Appendix B, CONECO Field Logs.

Each soil sample was field screened for volatile organic compounds (VOCs) using the "jar head-space" method using a HNu Model HW-101 photoionization detector (PID) with a 10.2 eV lamp probe. PID readings are presented in the field logs. No VOCs were detected in any of the soil samples field screened during sample retrieval.

A total of ninety-two (92) individual soil samples were collected during the first rounds of *GeoProbe* sampling performed on March 8, 29 and 30, 1999. An additional eighteen (18) soil samples were collected on April 15, 1999. Each soil sample was placed in the appropriate analytical laboratory supplied soil jars for immunoassay testing and subsequent NY State Certified analytical laboratory testing.

3.0 Immunoassay Screening

The environmental immunoassay test kits used in this investigation are designed to be sensitive to specific compound groups such as PAH and PCB cogeners. The kits utilize biological "immunoglobulin" proteins, called antibodies, capable of reacting with specific target compounds, called antigens (i.e.. PAHs and PCBs).

Soil samples to be submitted for PAH and PCB, NY State Certified Laboratory analysis were selected based on performance of immunoassay test screening. Specifically CONECO used Strategic Diagnostics, Inc., (SDI) "rapid assay" test kits for detection of total carcinogenic PAHs (CPAHs) and PCBs. Field immunoassay testing provides a cost-effective approach to screen Site soils for suspect contaminants.

A total of ninety-one (91) immunoassay tests were performed on soil boring samples collected on March 29 and 39, 1999 for both PCBs and Carcinogenic PAHs. (CPAHs). The immunoassay tests were performed at CONECO's Glastonbury, Connecticut Office on Friday and Saturday April 2 and 3, 1999, by a CONECO Engineer trained and certified by SDI for Advanced Quantitative Rapid Assay PCB and CPAH analysis.

The PCB and CPAH immunoassay kit concentration detection ranges were established to be 0.5 mg/kg (ppm) to 10.0 ppm and 0.1 ppm to 25 ppm respectively. Immunoassay soil sample test results are presented in Appendix C, Immunoassay Results. For both the CPAH and PCB test runs, control solutions of known concentrations were run. In all instances the correlation factor for accuracy was in acceptable percentage ranging from 98.36 to 99.99 percent.

Of the ninety-one immunoassay tests performed, CPAHs were detected in forty-one soil samples and PCBs were detected in only five soil samples. The concentration of total CPAH detected in the soil samples tested by the immunoassay method ranged from 0.75 ppm to 19.9 ppm. The concentration of PCBs detected by the immunoassay kits ranged from 0.52 ppm to 1.76 ppm.

The results of the immunoassay kits analysis were used as the primary criteria for selecting soil samples for subsequent laboratory analytical testing. Initially ten soil samples from Geoprobe boring operations performed on May 29 and 30, 1999 were selected with the highest immunoassay detected concentration for CPAHs and PCBs and submitted for laboratory analysis. Only two of these soil samples were detected with both high CPAH and PCB concentrations, B-19 (2'-4') and B-41 (4'-6').

The immunoassay tested soil samples that were analyzed by the analytical laboratory for PCBs were all below quantitative limit (BQL). This correlates well with the very low concentrations of PCBs detected by the immunoassay tests. Analytical laboratory results for the immunoassay tested soil samples analyzed for CPAHs detected CPAHs. However not direct linear correlation could be made in the concentrations detected between the immunoassay tests and the laboratory analysis other than the fact that the CPAHs were detected above quantitative limits.

4.0 Subsurface Sampling and Analysis

4.1 Soil Sample Analytical Results:

Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs):

A total of thirty soil samples were submitted for CPAH laboratory analysis from twenty of the fifty-seven *GeoProbe* borings performed across the Site. These soil samples were selected for laboratory analysis based on the immunoassay test results, previous analytical data performed by others, and field observations made during sample retrieval.

Table 1, presents the results of the CPAH analytical testing and provides a total CPAH concentration at the bottom of each column. The total CPAH concentration levels are compared to the TAGM 4046 soil cleanup objective of less than or equal to 1.0 mg/kg (ppm). Of the thirty samples tested, nine total CPAH concentrations are above the 1.0 ppm cleanup objective used by the NYDEC to determine the requirements for remediation. Concentrations of total CPAHs above the 1.0 ppm objective ranged from 2.39 ppm in boring B-53 (4'-8') to 93.89 ppm in B-19 (2'-4').

Boring locations where concentrations of total CPAHs exceeded the 1.0 ppm objective include the following sample identifications: B-3 (2'-4') 6.47 ppm, B-19 (2'-4') 3.89 ppm, B-21 (0'-3') 15.9 ppm, B-41 (4'-6') 36.39 ppm, B-49 (0'-4') 11.48 ppm, B-51 (0'-4') 18.9 ppm, B-51 (4'-6.5') 21.02 ppm, B-54 (0'-4') 11.47 ppm, and (4'-8') 2.39 ppm).

Samples collected from B-19, B-21, B-49 and B-51 are located in the direct areas were elevated levels of PAHs were identified by previous sampling performed by ERM. The specific locations of the ERM borings are identified as GP-11, GP-12 and GP-13. These borings are located along the southern edge of the Office Complex parking lot. Samples collected from B-54 and B-41 are located in the direct area of ERM boring GP-20 were elevated concentrations of CPAHs were previously detected.

Polychlorinated Biphenyls (PCBs):

A total of eighteen soil samples were submitted for PCB laboratory analysis from fifty-seven *GeoProbe* borings performed across the Site. These soil samples were selected for laboratory analysis based on the immunoassay test results, previous analytical data performed by others, and field observations made during sample retrieval.

Table 2, presents the results of the PCB analytical testing along with the TAGM 4046 soil cleanup objectives of 1.0 mg/kg (ppm) for surface soils and 10 ppm for subsurface soils. The cleanup objectives were not exceeded in any of the soil samples tested.

Target Analyte List (TAL) Inorganics:

A total of twenty-eight soil samples from nineteen of the fifty-seven *GeoProbe* borings performed across the Site were submitted for Total Analyte List (TAL) metals analysis. These soil samples were selected for laboratory analysis based on historical uses of the Site and field observations made during soil sample retrieval.

Table 3, presents the results of the TAL analytical testing results. Table 3 also provides the TAGM cleanup objectives for metals and the Eastern United States Site Background (SB) levels including NY State background levels for metals were available. With the exception of antimony, selenium, and thallium all other metals on the TAL list were detected at some concentration. Typically the metals of concern to the NYDEC are the RCRA 8 metals which include the following: lead, cadmium, chromium, arsenic, selenium, barium, mercury, and silver.

Lead concentrations detected in on-Site soils ranged from a low of 11 ppm to a high of 1,400 ppm in sample B-49 (4'-7'). Average background levels for lead in metropolitan areas or areas near highways can range from 200-500 ppm. Typically the NYDEC compares site concentrations of lead in soil to 1,000 ppm for cleanup objectives. Of the twenty-six soil samples analyzed for total lead only six concentrations exceeded 500 ppm and only one concentration in sample B-49 (4'-7') exceeded 1,000 ppm

Cadmium concentrations detected in on-Site soils ranged from a low of 9.8 ppm to a high of 39 ppm in sample B-49 (4'-7'). Average background levels for cadmium in the Eastern USA Site Background (SB) range from 0.1 to 1 ppm. However the NYDEC typically compares site concentrations of lead in soil to 10 ppm for cleanup objectives. Of the twenty-six soil samples analyzed for total cadmium nine concentrations exceeded 10 ppm and only two concentration in sample B-49 (4'-7'), 39 ppm and B-54 (8'-11'), 35 ppm exceeded 10 ppm by more than two fold.

Chromium concentrations detected in on-Site soils ranged from a low of 16 ppm to a high of 130 ppm in sample B-49 (4'-7'). Average background levels for chromium in the Eastern USA Site Background (SB), specifically New York State range from 1.5 to 40 ppm. However the NYDEC typically compares site concentrations of lead in soil to 50 ppm for cleanup objectives. Of the twenty-six soil samples analyzed for total cadmium only ten concentrations exceeded 50 ppm and only one concentration in sample B-49 (4'-7'), 130 ppm exceeded 50 ppm by more than two fold.

Arsenic concentrations were detected in five on-Site soils ranging from a low of 7.8 ppm to a high of 17 ppm in sample B-54 (8'-11'). Twenty-one of the twenty-six samples analyzed were below quantitative limit (BQL). Average background levels for arsenic in the Eastern USA Site Background (SB) specifically New York State range from 3 to 12 ppm. The TAGM cleanup objective for arsenic 7.5 ppm or site background (SB). Of the twenty-six soil samples analyzed for total arsenic only one concentrations, B-54 (8'-11) at 17 ppm exceeded New York State background of 12 ppm.

Selenium was below quantitative limit in all of the soil samples analyzed

Barium concentrations were detected in all of the on-Site soils sampled soils ranging from a low of 66 ppm to a high of 300. Average background levels for barium in the Eastern USA Site Background (SB) range from 15 to 600. The TAGM cleanup objective for barium is 300 ppm or site background (SB).

Mercury concentrations were detected three on-Site soils ranging from a low of 0.78 ppm to a high of 1.7 ppm in sample B-5B-28 (4'-6'). Twenty-five of the twenty-six samples analyzed were below quantitative limit (BQL). Average background levels for mercury in the Eastern USA Site Background (SB) range from 0.001 to 0.2 ppm. The TAGM cleanup objective for mercury is 0.1 ppm or site background (SB).

Silver concentrations were detected in six on-Site soils ranging from a low of 0.63 ppm to a high of 5.6 ppm in sample B-54 (8'-11'). Twenty of the twenty-six samples analyzed were below quantitative limit (BQL). Average background levels for silver in the Eastern USA Site Background are not available. The TAGM cleanup objective for silver is site background (SB).

CONECO performed sixteen (16) "hand-auger" borings across the approximately 12-acre "undisturbed parkland buffer" (Parkland) area. Figure 2 presents the approximate location of each hand auger. Each auger was advanced to a depth of 12 to 18-inches. CONECO collected composite soil samples from each location and submitted the samples to an analytical laboratory for analysis of RCRA 8 Total Metals. The sample results can serve as background concentrations for metals. However these soil samples were collected from only the top 12 to 18-inches of soil and may not represent Site soil metals background concentrations for soil located at deeper elevations. It is expected that background concentrations for metals in soils from deeper soil horizons will typically be higher than those found in the surficial soils located in the first 12 to 18-inches of ground. Analytical results for the RCRA 8 total metals are presented in Table 4.

Volatile Organic Compounds (VOCs):

Each soil sample collected from the *GeoProbe* borings was field screened for volatile organic compounds (VOCs). The "jar head-space" method was employed using a HNu Model HW-101 photoionization detector (PID) with a 10.2 eV lamp . The HNu-PID was calibrated before each day of borings using 100 ppm isobutylene calibration gas. PID readings are recorded in the field logs. No VOCs were detected in any of the soil samples field screened during sample retrieval. Subsequently no soil samples were submitted for laboratory analysis.

4.2 Groundwater Sample Collection and Analysis:

The 500 Mamaroneck Office Complex utilizes an on-Site groundwater supply well identified as W-1 to supply an on-Site aesthetic waterfall. It is reported that this groundwater supply well is approximately 350-feet deep. The Site Office Complex is serviced by City water. On May 29, CONECO sampled the supply well and submitted the sample to a NY State certified analytical laboratory for the following analyses; PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and volatile organic compounds (VOCs) by EPA Method 8260. Results of the groundwater analysis indicated that for all the parameters tested the results were all below quantitation limit (BQL).

On April 15, 1999 the groundwater supply well was re-tested in response to a NYDEC Comments Letter regarding previous groundwater sampling and analytical methods used by the consultant Dames and Moore. In response to the NYDEC comments letter, CONECO re-sampled and analyzed the on-Site groundwater supply well for full Target Compound List (TCL) parameters including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), BTEX (benzene, toluene, ethylbenzene, and xylenes), acid extractable compounds, pesticides/PCBs and Target Analyte List (TAL) inorganics.

Results of the April 15 groundwater sample analysis for the TCL and TAL parameters indicated that all parameters were below quantitation limit (BQL) with the exception of six naturally occuring metals. The six metals detected in the groundwater supply well are sodium, manganese, potassium, iron, calcium, and barium. The concentrations that these metals were detected are typical of naturally occurring metals in the subsurface environment.

4.3 Surface Water Sample Collection and Analysis:

The Site office complex property contain two manmade ponds referred to as the "upper pond", located east of the office complex, and the "lower pond", located south of the office complex and adjacent to Mamaroneck Avenue. On May 29, CONECO collected surface water and sediment samples from the upper and lower ponds. The pond surface water samples were analyzed for PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and VOCs by EPA Method 8260.

The surface water analytical results from both ponds indicated that for all the parameters tested the results were all below quantitation limit (BQL).

4.4 Pond Sediment:

CONECO collected composite sediment samples from each of the on-Site ponds. The sediment samples were collected using a stainless steel hand auger. The auger was decontaminated before and after each sediment sample was collected. The sediment samples was submitted to the laboratory for the following analysis; RCRA Total Metals, PCBs by EPA Method 8082, and PAHs by EPA Method 8270B.

Analytical results for the pond sediments indicated that PCBs were below quantitative limit (BQL) and PAHs were not detected. Of the eight RCRA Metals tested for, barium, cadmium, chromium and lead were detected at levels consistent with those detected in the sixteen background soil samples collected in the "undisturbed parkland buffer" (Parkland) area located on the eastern portion of the Site. Results of metals analysis for the soils in the Parkland area are discussed below. The individual metals detected in the sediment and their respective concentrations did not significantly deviate from the metals respective concentration levels detected in the Parkland soil samples. The Parkland soil samples represent the background concentrations for Site soils in the 0 to 18-inch soil horizon. Table 4 presents the RCRA 8 total metals concentrations detected in the pond sediments.

4.5 Parkland Buffer Area:

CONECO performed the Site reconnaissance and visual inspection of the eastern portion of the Site property referred to as the undisturbed parkland buffer (Parkland). A Site Plan dated February 28, 1983 (updated April 16, 1985), was used to identify the property lines and the abutting parcels of land. Approximately 12-acres of land was traversed. The reconnaissance began by following the southern property line for approximately 350-feet. Three abutting residences were identified to the south. The most western property line abuts a fourth very large residence. The western property line was followed heading north to an area identified as a utility easement on the 1983 Site Plan.

Adjacent to this utility easement is a private road, which leads to a fifth residence. The western property line was followed behind this residence until additional residential properties were encountered at the northeast corner of the Site. Five residential properties were identified along the north property line of the Site at which point a stone wall was encountered. A large pond is located approximately 70-feet west of the stone wall. The pond was static and appeared to be approximately 3 to 4-feet deep at the center. It appears that the pond may drain to the south. The water in the pond appeared to be clear and filled with downed tree limbs and leaves. No visible oily sheen or discoloration was observed. The pond is located approximately 100-feet behind the northern portion of the office complex paved parking area. The area in the central portion of the north end of the Parkland area was traversed where two very small ponds are located. The depth of water in each of these two ponds was less than one-foot at the time of the visit. Next the eastern property line was followed until the Site was exited at the southwest.

The entire Parkland is very heavily covered with established vegetation and woodlands. At the time of the Site reconnaissance no on-Site evidence of the use, disposal and/or storage of oil or hazardous materials was observed on the property including the use of aboveground and underground storage tanks. No evidence of distressed vegetation or stained soil was observed across the entire Parkland area.

CONECO performed sixteen (16) "hand-auger" borings across the approximately 12-acre area. Figure 2 presents the approximate location of each hand auger. Each auger was advanced to a depth of 12 to 18-inches. CONECO collected composite soil samples from each location. All of these soil samples were field screened for volatile organic compounds (VOCs) by "jar headspace" technique using an HNu photoionization detector (PID) with a 10.2 eV probe. The PID did not detect any VOC readings above background, 0.0 units, as calibrated with isobutylene calibration gas. The sixteen soil samples were submitted to the analytical laboratory for analysis of PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and RCRA Total Metals.

Results of the analysis indicated that PAHs were not detected (ND) and PCBs were below quantitative limit (BQL) for all sixteen soil samples. Results of the RCRA Metals analysis are presented in Table 4. Metals detected include barium, cadmium, chromium and lead.

Also presented in Table 4 are the Eastern USA Site Background (SB) levels and the NYDEC TAGM suggested clean-up levels for these metals. Regarding lead levels, average site background levels in metropolitan areas or areas near highways, such as the Site, are much higher and typically range from 200-500 ppm. NYDEC typically compares analytical results for total metals for lead, cadmium and chromium to 1,000 ppm, 10 ppm, and 50 ppm respectively.

In general, the levels of barium, cadmium, chromium and lead detected in the soils of the Parkland area are consistent with the levels presented in TAGM 4046 regarding Eastern USA site background and NYDEC cleanup levels.

5.0 Findings and Conclusions

The subsurface investigation included the performance of fifty-nine (59) *GeoProbe* borings located across the entire office complex portion of the Site and sixteen (16) hand-auger borings on the undisturbed parkland buffer (Parkland) area located east of the office complex. In addition, groundwater, surface waters, and pond sediments were sampled and analyzed in and effort to characterize the Site soil and groundwater quality. The following observations can be made:

- Each *GeoProbe* boring was advanced on average to a depth of 10-feet or until refusal. Soil samples were collected at 2-foot intervals in each soil borings. Field logs were prepared for each of the borings. The field logs identify a layer of unnatural fill material across the majority of the Site. The identified fill material is mixed with miscellaneous debris. The debris observed typically contains amounts of small metal pieces, coal ash like material, cinders, partially combusted wood and paper/corrugated box, glass pieces, melted glass pieces, and plastics. The depth at which this layer of material was located is dependent on the depth to bedrock in the area of each boring location.

- The referenced debris was encountered in the following borings and respective depth below grade: B-3 (4'-7'), B-4 (4'), B-5 (4'), B-10 (2' and 6'-8'), B-13 (2'-4' and 8'-12'), B-17 (2' and 2'-4'), B-18 (4'), B-19 (2' and 4'-8'), B-20 (2'), B-21 (3'), B-23 (2'), B-25 (4'), B-28 (2' and 4'-6'), B-24A (4' and 11'-12'), B-39 (4'), B-29 (3' and 4'-5'), B-41 (4' and black tar-like material at 5'), B-49 (6"), B-50 (4'-5.5'), B-51 (9.5'), B-52 (4'-7'), B-53 (4'-8'), B-54 (4', 5' and 8'-11') and B-57 (3'). Locations of these borings are provided in Figure 1.

- In almost all instances the debris material contained in the soil samples exhibited no odors or characteristics of petroleum product contamination. PID screening of the debris to detect volatile organic compounds (VOCs) was consistently not detected.

- The soil samples selected for laboratory analysis were based on the immunoassay test results; previous analytical data performed by others; and field observations made during sample retrieval. Soil samples were laboratory analyzed for PAHs, PCBs, and total metals. Analytical results for the Site soil primarily detected PAH contamination. A total of thirty soil samples were submitted for CPAH laboratory analysis. Table 1, presents the results of the CPAH analytical testing. Nine soil samples are above the TAGM 4046 cleanup objective of 1.0 ppm used by the NYDEC to determine the necessity for remediation. Concentrations of total CPAHs above the 1.0 ppm objective ranged from 2.39 ppm in boring B-53 (4'-8') to 93.89 ppm in B-19 (2'-4').

- Soil Boring locations where concentrations of total CPAHs exceeded the 1.0 ppm objective are as follows: B-3 (2'-4') 6.47 ppm, B-19 (2'-4') 3.89 ppm, B-21 (0'-3') 15.9 ppm, B-41 (4'-6') 36.39 ppm, B-49 (0'-4') 11.48 ppm, B-51 (0'-4') 18.9 ppm, B-51 (4'-6.5') 21.02 ppm, B-54 (0'-4') 11.47 ppm, and (4'-8') 2.39 ppm).

- Samples collected from B-19, B-21, B-49 and B-51 are located directly in areas were elevated levels of PAHs were identified by previous sampling and analysis performed by ERM. The specific locations of the ERM borings are identified as GP-11, GP-12 and GP-13. These borings are located along the southern edge of the Office Complex parking lot. Samples collected from B-54 and B-41 are also located directly in the area of ERM boring GP-20 were elevated concentrations of CPAHs were previously detected.

- The TAGM PCB soil cleanup objectives of 1.0 mg/kg (ppm) for surface soils and 10 ppm for subsurface soils were not exceeded in any of the soil samples tested.

- Although some of the individual metals concentrations from the TAL analytical testing exceed the TAGM cleanup objectives and the Eastern United States Site Background (SB) levels or NY State background levels where available. It is not likely that metals contamination will be the driving force behind and potential future soil remediation actions.

- The soil sample results from the Parkland area of the Site do not exhibit and evidence of contamination from the historical uses of the Site. No PAHs or PCBs were detected above the laboratory quantitative limit. No VOCs were detected from field screening of the soils with a PID. In addition, metals concentrations detected are typical of background concentrations for metals naturally occurring in the environment. However these soil samples were collected from the top 12 to 18-inches of soil and may not represent Site metals background concentrations for soil located at a depths from which soil was collected on the office complex area of the Site. It is expected that background concentrations for metals in soils from deeper soil horizons will typically have higher concentrations than those found in the surficial soils located in the first 12 to 18-inches of ground.

- The on-Site groundwater supply well (W-1) was sampled and submitted to a NY State certified analytical laboratory for full Target Compound List (TCL) parameters including volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), BTEX (benzene, toluene, ethylbenzene, and xylenes), acid extractable compounds, pesticides/PCBs and Target Analyte List (TAL) inorganics. Results of the groundwater sample analysis for the TCL and TAL parameters indicated that all parameters were below quantitation limit (BQL) with the exception of six metals. The metals detected included sodium, manganese, potassium, iron, calcium, and barium. The detected concentrations of these metals are typical of naturally occurring metals in the subsurface soils.

- Surface water from the upper pond, located east of the office complex, and the lower pond, located south of the office complex was collected and analyzed for PAHs by EPA Method 8270B, PCBs by EPA Method 8082, and VOCs by EPA Method 8260. The surface water analytical results from both ponds indicated that for all the parameters tested the results were below quantitation limit (BQL).

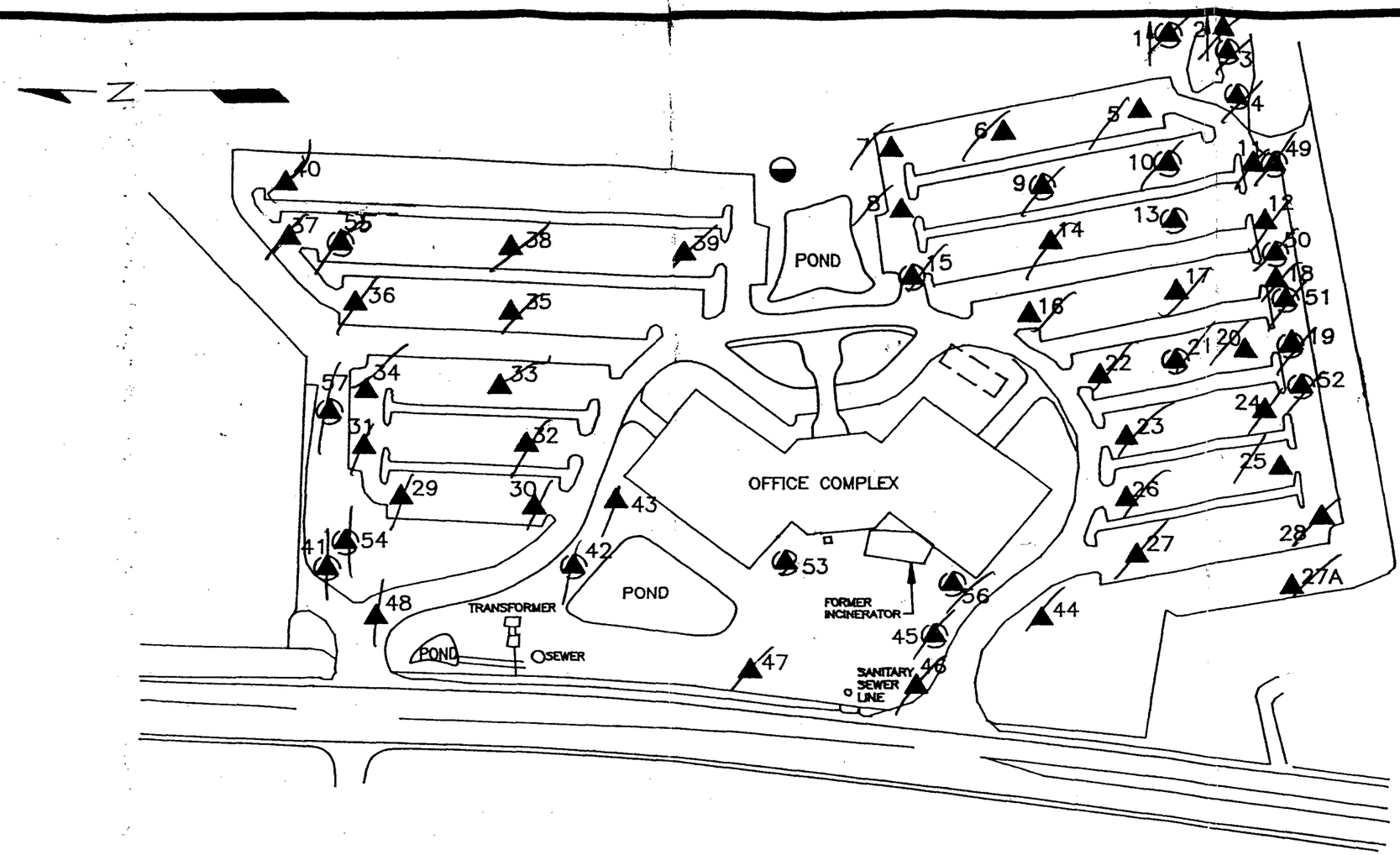
- Composite sediment samples were collected from each of the office complex ponds and submitted to the laboratory for the following analysis; RCRA Total Metals, PCBs by EPA Method 8082, and PAHs by EPA Method 8270B. Analytical results for the pond sediments indicated that PCBs were below quantitative limit (BQL) and PAHs were not detected. Of the eight RCRA Metals tested; barium, cadmium, chromium and lead were detected at levels consistent with those detected in the sixteen background soil samples collected in the Parkland area. The individual metals detected in the sediment and their respective concentrations did not significantly deviate from the individual metal concentration levels detected in the Parkland soil samples.

6.0 Limitations

The findings provided by CONECO in this report are based solely on the references cited, results of analytical testing, and observations made during the field investigation. Observations were made under the conditions stated. The purpose of this study was to establish via a limited scope of work whether there is evidence that a release of oil or hazardous materials has occurred at the Site or that a threat of release exists. This report represents the factual findings relative to such evidence. No attempt was made to investigate Site owner or operator compliance with federal, state, or local laws and regulations in connection with Site usage.

Because certain materials are considered by public health officials as presenting significant hazards in indoor environments, and where simple observations or other evidence has allowed, CONECO has indicated their potential presence on the Site in this report. However, unless specifically stated in the scope of work, CONECO has not performed specific testing or analysis to determine the presence or concentration of asbestos, lead-based paint, urea formaldehyde, or radon.

Should additional information become available concerning this Site or neighboring properties in the future, that information should be made available to CONECO for review so that the findings presented in this report may be modified as necessary.



GROUNDWATER SUPPLY WELL

CONECO SAMPLING LOCATIONS – 1999 (FIELD SCREENED & LABORATORY ANALYSES)

CONECO SAMPLING LOCATIONS – 1999 (FIELD SCREENED)

TITLE

CONECO
GEOPROBE BORING
LOCATIONS

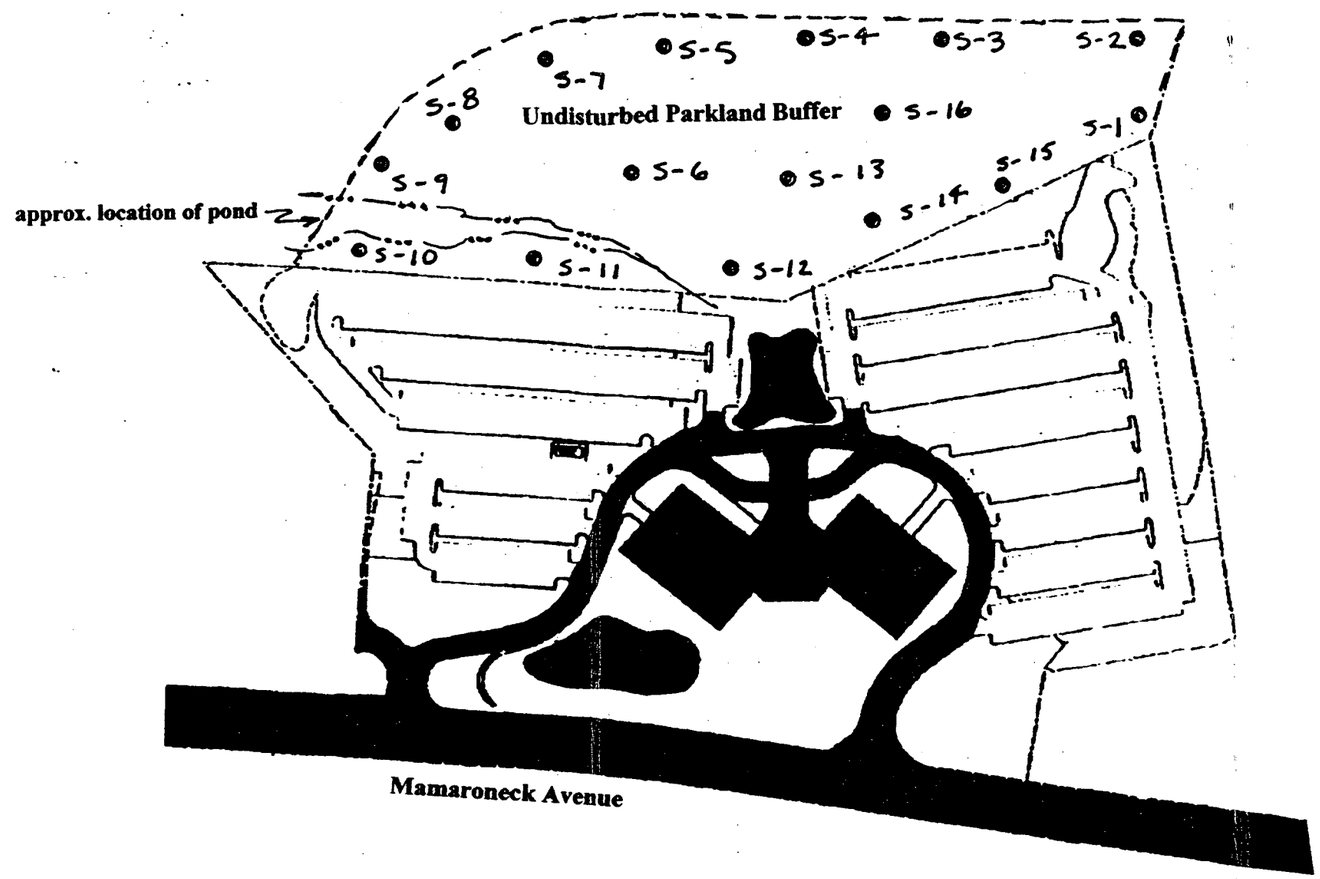
PREPARED FOR

W & M PROPERTIES OF CT, INC.

CONECO Engineers & Scientists

SCALE	FIGURE
NONE	1

DRAWN:	JOB NO.:	FILE NAME:	DATE
T.F.M.	3551–CT	3551–CT	5/6/99



TITLE

CONECO
HAND AUGER BORING
LOCATIONS

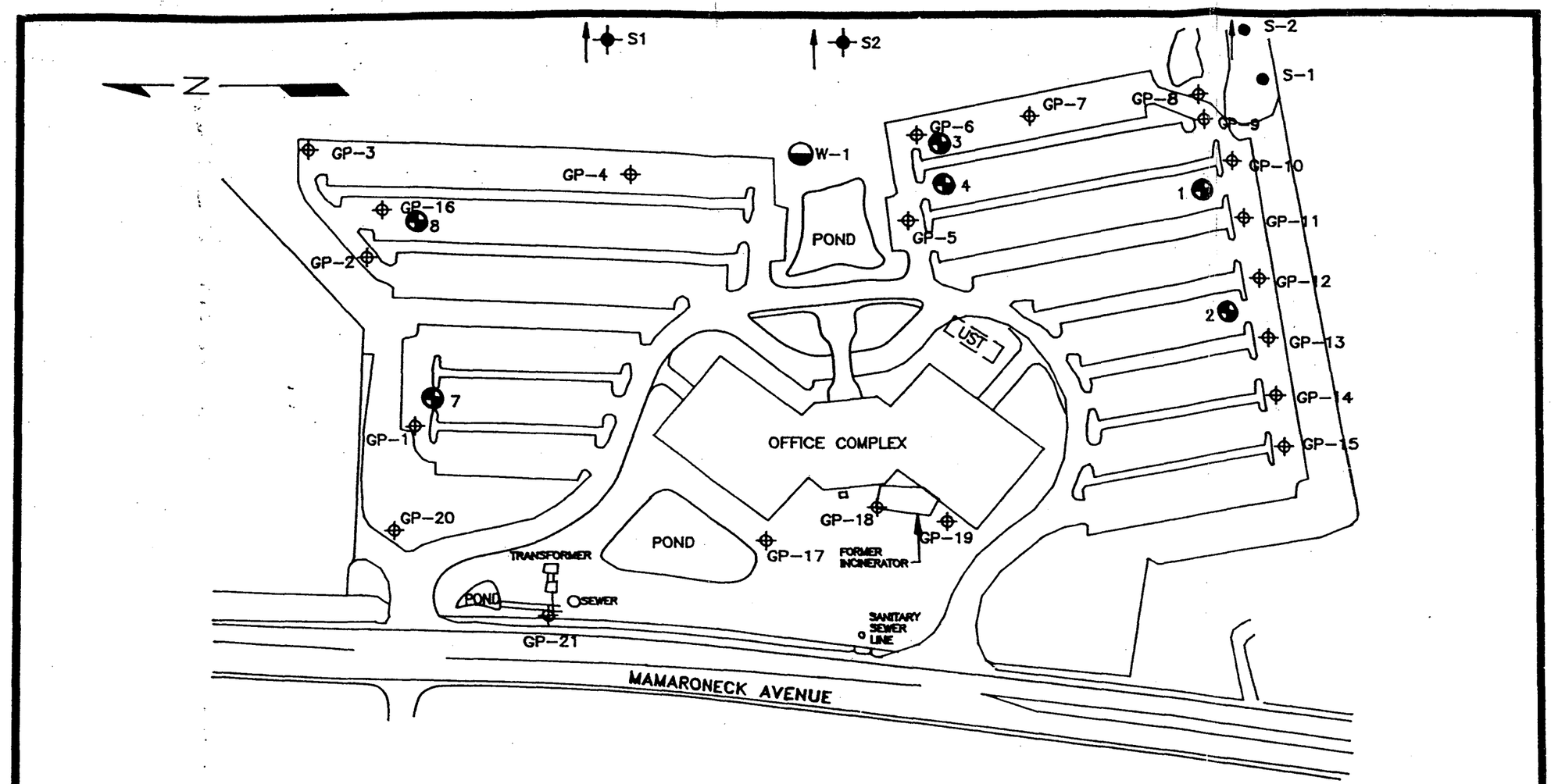
PREPARED FOR

W & M PROPERTIES OF CT, INC.

CONECO Engineers & Scientists

SCALE	FIGURE
NONE	2

DRAWN:	JOB NO.:	FILE NAME:	DATE
T.F.M.	3551-CT	3551-CT	5/6/99



ERM BORING LOCATIONS – 1998

DAMES & MORE SAMPLING LOCATIONS – 1998

U.S. HYDROGEOLOGIC, INC. SAMPLING LOCATIONS – 1989

GROUNDWATER SUPPLY WELL

GZA SAMPLING LOCATIONS – 1986

TITLE

ERM and DAMES & MOORE GEOPROBE BORING LOCATIONS

PREPARED FOR

W & M PROPERTIES OF CT, INC.

CONECO Engineers & Scientists

SCALE	FIGURE
NONE	3

DRAWN:	JOB NO.:	FILE NAME:	DATE
T.F.M.	3551-CT	3551-CT	5/6/99

TABLE 1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs), Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-3 2'-4'	B-4 4'-6'	B-9 0'-1'	B-10 6'-8'	B-13 12-16	B-15 0'-1'	B-19 2'-4'	B-21 0'-3'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	B-41 0'-4'	B-1 2'-4'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	180	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	1.5	ND	1.0	ND	130	ND	ND
Benzo(a)anthrecene	0.73	ND	ND	ND	ND	ND	6.3	1.2	1.9	ND	150	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	10	1.3	1.2	ND	91	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	5.1	1.3	1.8	ND	95	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	3.9	ND	0.77	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	10	1.4	2.2	ND	130	ND	ND
Chrysene	0.84	ND	ND	ND	ND	ND	7.8	1.4	2.1	ND	150	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND
Fluoranthene	2.0	ND	ND	ND	ND	ND	18	3.4	9.5	ND	670	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	0.79	ND	0.86	ND	180	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	0.76	ND	74	ND	ND
Phenanthrene	1.0	ND	ND	ND	ND	ND	6	2.0	7.6	ND	640	ND	ND
Pyrene	1.9	ND	ND	ND	ND	ND	19	3.9	6.7	ND	460	0.7	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300	ND	ND
Total CPAHs ppm =	**6.47**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**93.89**	**15.9**	**36.39**	**0.0**	**2,784**	**0.7**	**0.0**

* = black tar-like material
As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 1 Carcinogenic Polynuclear Aromatic Hydrocarbons (CPAHs) (continued)

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

CPAHs ppm Sample Depth	B-49 0'-4'	B-50 0'-4'	B-50 4'-8'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthrecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthrecene	0.88	ND	ND	1.7	1.6	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.1	ND	ND	1.8	1.6	ND	ND	ND	ND	0.85	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	1.0	ND	ND	2.0	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	1.7	1.5	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.2	ND	ND	1.8	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3.0	ND	ND	3.6	4.0	ND	ND	ND	ND	3.0	0.9	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	1.8	ND	ND	2.3	3.4	ND	ND	ND	ND	2.2	0.72	ND	ND	ND	ND	ND	ND
Pyrene	2.5	ND	ND	4.0	4.0	ND	ND	ND	ND	2.4	0.77	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total CPAHs ppm =	**11.48**	**0.0**	**0.0**	**18.9**	**21.02**	**0.0**	**0.0**	**0.0**	**0.0**	**11.47**	**2.39**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

As per TAGM 4046 "Soil cleanup objectives are limited to the following maximum values".

Total Carcinogenic PAHs less than or equal to 1.0 ppm
Total Semi-VOCs less than or equal to 500 ppm
Individual Semi-VOCs less than or equal to 50 ppm
Total VOCs less than or equal to 10 ppm

TABLE 2 Polychlorinated Biphenyls (PCBs) Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-18 0'-4'	B-19 2'-4'	B-24 0'-3'	B-28 4'-6'	B-24A 8'-10'	B-39 0'-4'	B-35 4'-7'	B-41 4'-6'	B-45 4'-6'	B-41* 5'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	1.2 ppm	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

* = black tar-like material

TABLE 2 Polychlorinated Biphenyls (PCBs), (continued)

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

PCBs ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-50 4'-5.5'	B-51 0'-4'	B-51 4'-6.5'	B-52 0'-4'	B-52 4'-7'	B-53 0'-4'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	0.9 ppm	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 2 Polychlorinated Biphenyls (PCBs) (continued)

500 MAMARONECK AVENUE, HARRISON, NY

PCBs ppm	B-53 4'-8'	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'	B-57 0'-3'	NYDEC TAGM
Aroclor 1016	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1221	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1232	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1242	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1248	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1254	BQL	BQL	0.160 ppm	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface
Aroclor 1260	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.0 ppm Surface 10 ppm Subsurface

TABLE 3 Target Analyte List (TAL) METALS Soil Borings

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)

TAL Metals ppm	B-3 2'-4'	B-18 0'-4'	B-19 2'-4'	B-31 0'-2'	B-41 4'-6'	B-28 4'-6'	B-39 0'-4'	B-47 0'-3'	B-48 4'-6'	B-41* 5'	Eastern USA SB	NYDEC TAGM
Silver	0.87	2.6	0.63	BQL	BQL	BQL	BQL	BQL	BQL	0.60	N/A	SB
Aluminum	9,900	9,100	8,800	16,000	16,000	11,000	15,000	13,000	15,000	17,000	33,000	SB
Arsenic	BQL	BQL	BQL	BQL	7.8	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	87	290	110	300	260	240	270	190	230	190	15-600	300 or SB
Beryllium	0.51	0.69	0.51	0.73	0.88	0.48	0.72	0.54	0.59	0.68	0-1.75	0.16 (HEAST) or SB
Calcium	13,000	11,000	7100	5,500	11,000	6700	7,000	5,500	5,500	4,700	130-35,000***	SB
Cadmium	4.8	16	6.2	8.2	17	5.4	9.8	6.7	7.4	7.3	0.1-1	1 or SB
Cobalt	7.1	4.3	7.7	13	11	7.0	13	11	12	11	2.5-60**	30 or SB
Chromium	26.0	26	18.0	72	49	27	76	65	65	56	1.5-40**	10 or SB
Copper	22.0	230	110	26	120	27	61	23	26	21	1-50	25 or SB
Iron	15,000	50,000	20,000	28,000	55,000	17,000	31,000	23,000	26,000	24,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	0.78	BQL	BQL	1.7	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	2900	670	3300	12,000	5,000	3,000	12,000	10,000	10,000	7,600	8,500-43,000	SB
Magnesium	12,000	1,400	3600	15,000	7,500	6600	15,000	12,000	13,000	11,000	100-5,000	SB
Manganese	250	340	260	410	410	310	400	330	400	300	50-5,000	SB
Sodium	3700	2,200	1400	1,400	270	270	510	130	210	180	6,000-8,000	SB
Nickel	13.0	18	15.0	28	30	15	31	26	24	23	0.5-25	13 or SB
Lead	27.0	910	71	21	540	470	62	17	9	21	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	25.0	11	23.0	51	38	30	52	43	48	45	1-300	150 or SB
Zinc	56.0	670	340	79	370	200	150	62	49	65	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

* = black tar-like material N|A = Not Available

TABLE 3 Target Analyte List (TAL) METALS (continued)

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-49 0'-4'	B-49 4'-7'	B-50 0'-4'	B-51 0'-4'	B-51 4'-6.5	B-52 0'-4'	B-52 4'-7'	B-53 0'-4	B-53 4'-8'	Eastern USA SB	NYDEC TAGM
Silver	BQL	1.3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	12,000	7,200	13,000	7,700	7,300	12,000	15,000	11,000	14,000	33,000	SB
Arsenic	12	12	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	250	670	170	75	170	180	79	120	140	15-600	300 or SB
Beryllium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.55	BQL	0-1.75	0.16 (HEAST) or SB
Calcium	7,300	17,000	6,400	20,000	18,000	13,000	1,300	3,300	3,400	130-35,000***	SB
Cadmium	12	39	15	6.2	8	15	5.4	6.6	7.2	0.1-1	1 or SB
Cobalt	11	10	12	6.7	5.71	12	7.8	8.7	11	2.5-60**	30 or SB
Chromium	42	130	52	16	20	39	29	30	41	1.5-40**	10 or SB
Copper	280	380	160	24	54	120	14	45	24	1-50	25 or SB
Iron	33,000	93,000	43,000	18,000	23,000	45,000	17,000	19,000	22,000	2,000-555,000	2000 or SB
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	5,000	750	5,500	2,100	1,600	3,700	1,200	2,900	5,000	8,500-43,000	SB
Magnesium	7,400	2,100	9,900	4,600	3,000	7,000	5,500	6,000	8,000	100-5,000	SB
Manganese	420	700	480	330	320	460	140	340	360	50-5,000	SB
Sodium	980	810	2,000	710	830	560	360	55	82	6,000-8,000	SB
Nickel	23	72	27	12	14	27	12	17	20	0.5-25	13 or SB
Lead	790	1,400	170	120	1,000	200	11	43	27	****	SB****
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	46	24	40	21	17	40	30	30	39	1-300	150 or SB
Zinc	380	2,000	270	96	460	290	43	80	62	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

N|A = Not Available

TABLE 3 Target Analyte List (TAL) METALS (continued)

500 MAMARONECK AVENUE, HARRISON, NY (April 15, 1999)

TAL Metals ppm	B-54 0'-4'	B-54 4'-8'	B-54 8'-11'	B-55 0'-3'	B-56 0'-4'	B-56 4'-8'	B-56 8'-12'.	B-57 0'-3'	S-5 SB	Eastern USA SB	NYDEC TAGM
Silver	BQL	0.76	5.6	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Aluminum	14,000	8,000	5,500	6,800	16,000	11,000	15,000	13,000	16,000	33,000	SB
Arsenic	BQL	9.5	17	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	190	250	260	66	150	160	230	220	120	15-600	300 or SB
Beryllium	BQL	0.92	BQL	0.42	0.82	0.78	0.59	0.60	0.87	0-1.75	0.16 (HEAST) or SB
Calcium	24,000	9,900	19,000	13,000	2,300	3,500	4,800	12,000	390	130-35,000***	SB
Cadmium	7.6	24	35	5.4	8.2	13	9.4	10	6.9	0.1-1	1 or SB****
Cobalt	11	10	15	5.7	11	11	14	11	6.5	2.5-60**	30 or SB
Chromium	61	34	43	13	53	38	65	56	33	1.5-40**	10 or SB
Copper	25	200	1,600	18	23	62	28	84	9.2	1-50	25 or SB
Iron	23,000	56,000	94,000	16,000	24,000	39,000	28,000	29,000	18,000	2,000-555,000	2000 or SB
Mercury	BQL	0.78	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Potassium	8,400	1,700	700	1,300	2,600	3,800	11,000	8,900	430	8,500-43,000	SB
Magnesium	15,000	3,800	1,000	6,400	8,200	6,600	13,000	15,000	3,800	100-5,000	SB
Manganese	340	550	900	290	540	560	420	400	280	50-5,000	SB
Sodium	170	230	990	130	44	59	97	260	0.00	6,000-8,000	SB
Nickel	26	49	56	10	22	23	24	24	11	0.5-25	13 or SB
Lead	31	450	780	45	39	150	23	72	14	****	SB****
Antimony	BQL	BQL	BQL	BQ	BQL	BQL	BQL	BQL	BQL	N/A	SB
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Vanadium	43	70	11	18	41	34	53	45	31	1-300	150 or SB
Zinc	70	1,700	1,200	59	80	180	63	160	36	9-50	20 or SB

SB = Site Background ** = New York State Background

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10.0 ppm and Chromium to 50 ppm.**

N|A = Not Available

TABLE 4 RCRA: Total Metals, CPAHs, PCBs

500 MAMARONECK AVENUE, HARRISON, NY (March 29 & 30, 1999)
Soil Samples from Undisturbed Parkland Buffer, East of Office Complex. (Hand Auger).

TAL Metals Ppm	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	Upper Pond Sediment	Eastern USA SB	DEC TAGM
Silver	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Arsenic	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	97	76	64	100	120	120	130	95	180	15-600	300 or SB
Cadmium	7.3	8.5	8.2	8.4	6.9	9	8.4	10	11	0.1-1	1 or SB****
Chromium	30	27	34	36	33	57	42	72	52	1.5-40**	10 or SB****
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Lead	20	13	16	9	14	8.4	9.4	27	78	****	SB****
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
CPAHs	ND	ND	ND	ND	ND	ND	ND	ND	ND		
PCBs	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL		

TAL Metals ppm	S-9	S-10	S-11	S-12	S-13	S-14	S-15	S-16	Lower Pond Sediment	Eastern USA SB	DEC TAGM
Silver	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	N/A	SB
Arsenic	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3–12**	7.5 or SB
Barium	130	81	90	91	120	230	150	59	160	15-600	300 or SB
Cadmium	12	8	9.5	8.7	8.4	10	8.3	6.4	11	0.1-1	1 or SB****
Chromium	64	22	41	28	41	49	32	25	69	1.5-40**	10 or SB****
Mercury	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.001-0.2	0.1
Lead	9.5	7.5	15	13	16	21	10	6	32	****	SB****
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.1-3.9	2 or SB
CPAHs	ND	ND	ND	ND	NDN	ND	ND	ND	ND		
PCBs	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL		

SB = Site Background. ** = New York State Background.

**** = **Average background levels in metropolitan areas or near highways are much higher and typically range from 200-500 ppm. (TAGM 4046). NYDEC is typically comparing analytical results for Lead in soil to 1,000 ppm, Cadmium to 10 ppm and Chromium to 50 ppm.**

TAL.=. Target Analyte List, (inorganic).

BQL = below quantitative limit. ND = None Detected. N\A = Not Available.

PROPERTY PHOTOGRAPHS

Photo #1 – Boring Location No. 43 northeast corner of Site Building (Installation of clean plastic sampling sleeve into Geoprobe MacroCore).

Photo #2 – Geoprobe sampling vehicle – Brooks Laboratories, Inc.

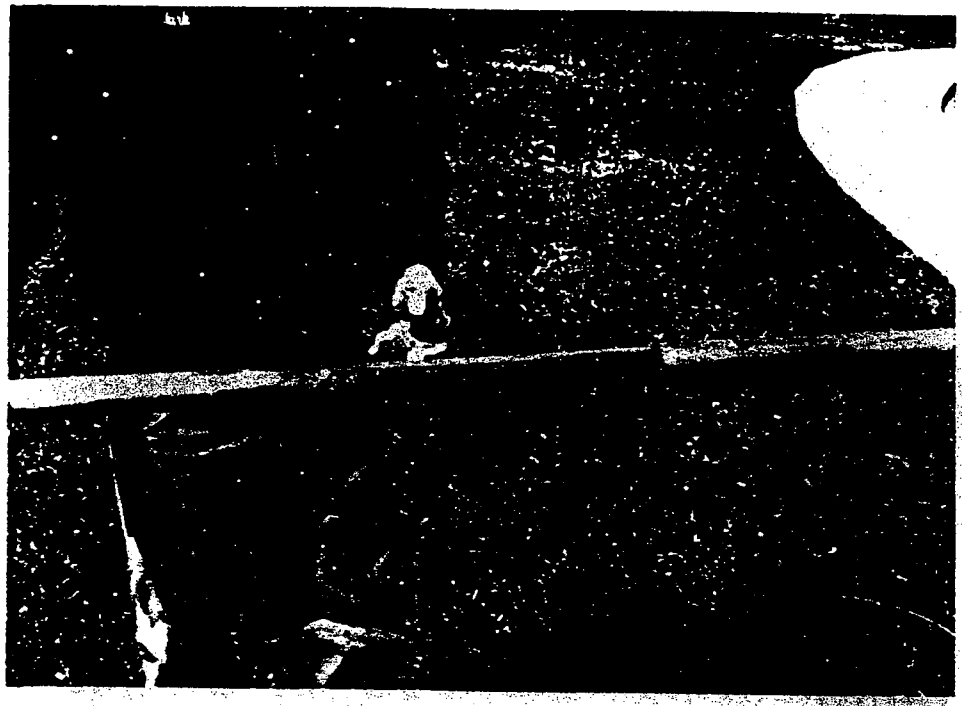


Photo # 3 – Geoprobe MacroCore soil sampling sleeve retrieval.

Photo #4 – Typical soil sample retrieval, 0 to 4'.

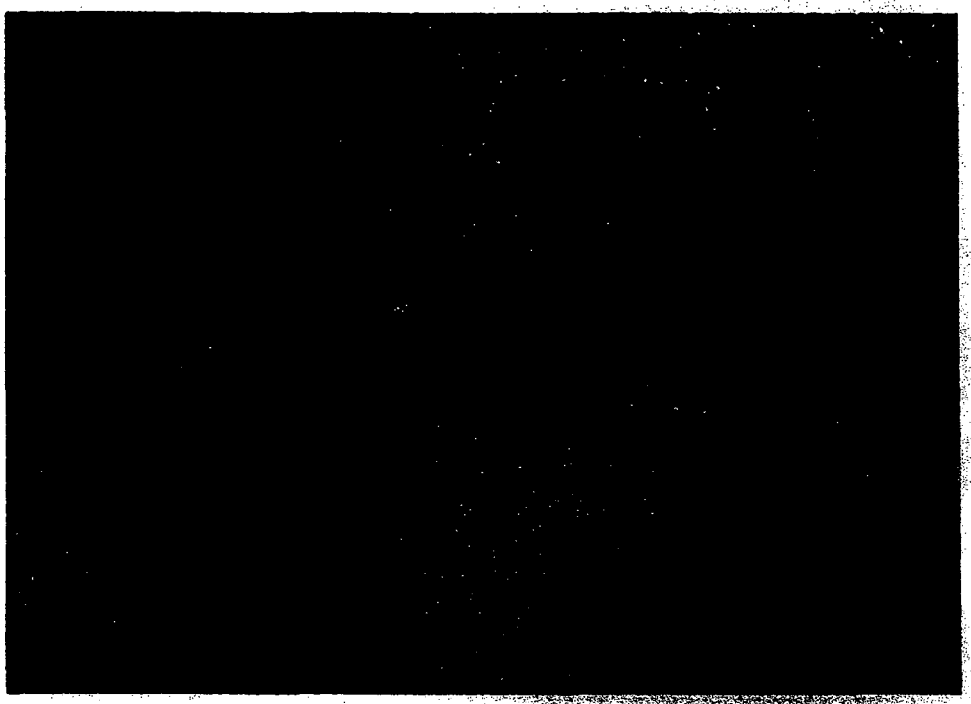


Photo #5 – Typical Geoprobe MacroCore soil sample.

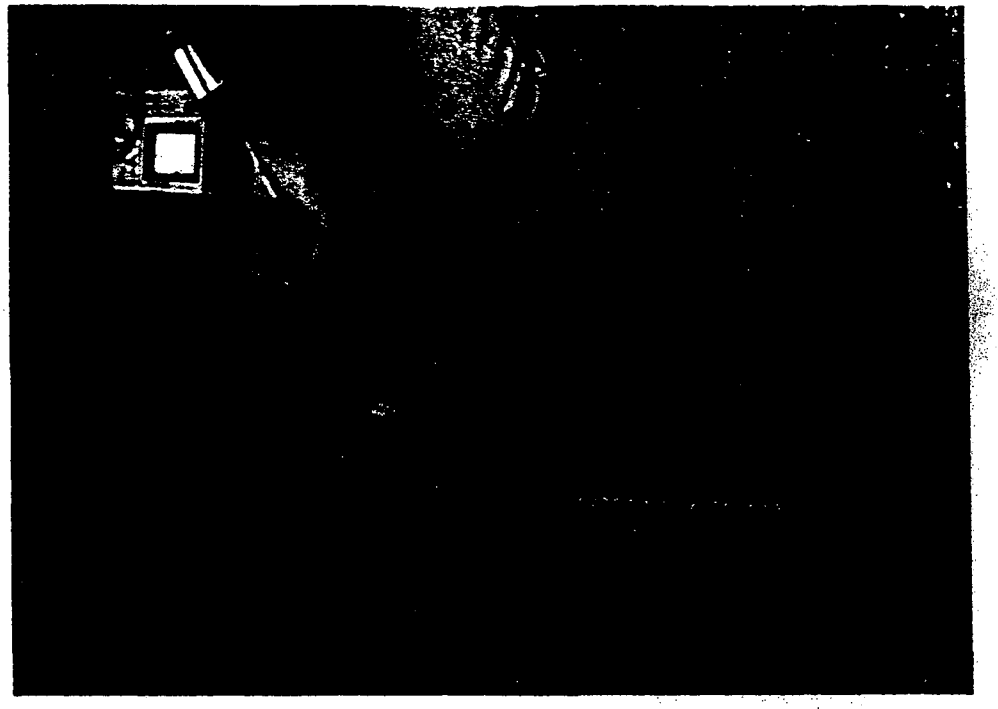


Photo #6 – Field screening soil boring for volatile organic compounds with HNu photoionization detector (PID).

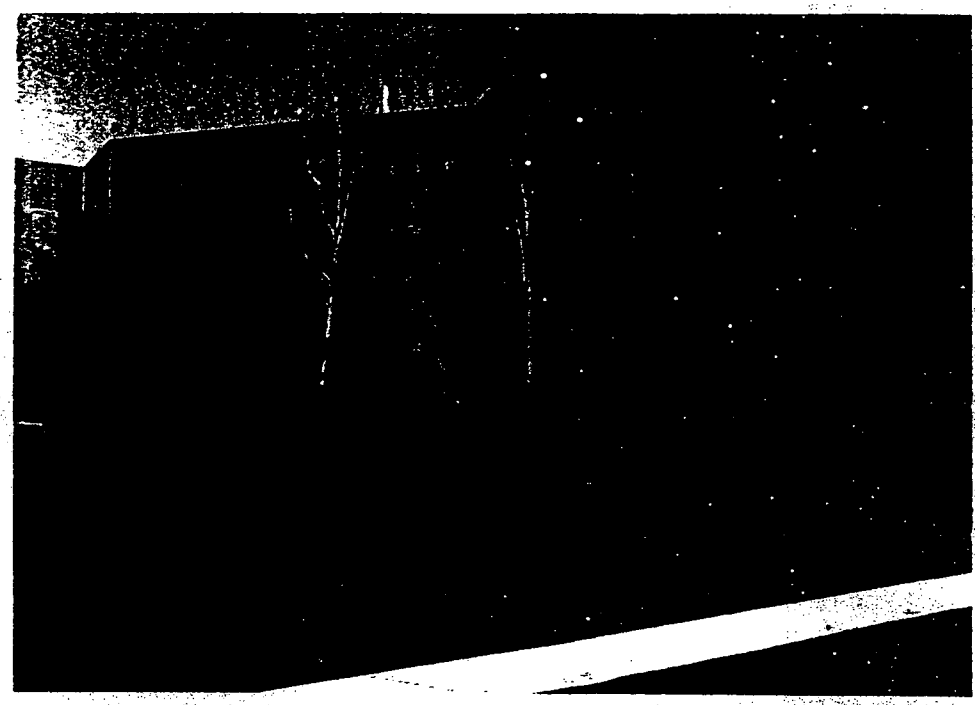


Photo # 7 – 500 Mamaroneck Avenue, Harrison, NY Office Complex View facing northeast (boring locations 45, 46, 53 and 56).

Photo #8 – Boring location No.s 46 and 47.

Photo #9 – View looking Southeast, Boring location No.s 5 and 6.

Photo #10 – View looking northeast, boring location No. 40.

Photo # 11 – View looking south, Boring location No.s 38 and 39.

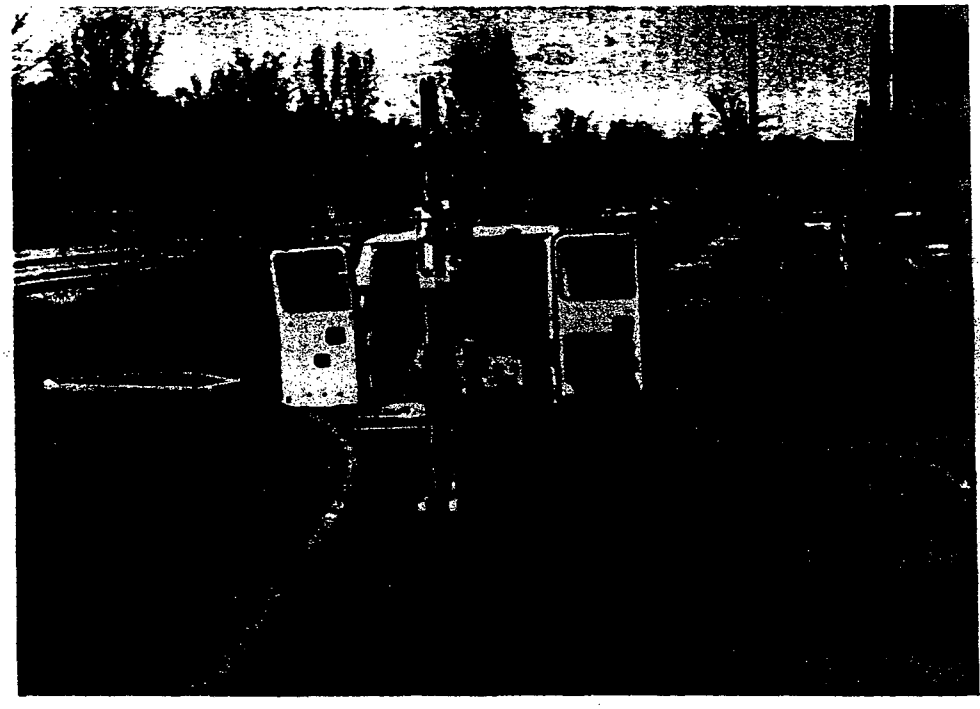


Photo #12 – Geoprobe Boring No. 48, View looking Northwest.

CONECO FIELD LOG

Project Name: W & M Properties, Inc. **Date:** March 29, 1999

Project No.: 3551-CT **Location:** 500 Mamaroneck Ave. Harrison, NY

Coneco Engineer: M. Feldman **Subcontractor:** Brooks Labs, Inc.

Description of Work: Geoprobe soil boring.

Coneco & Brooks on-site @ 8:30 am
Calibrate HNu PID with 100ppm isobutylene
background 0.0 units

B-3:

0-2': fill material, some coal ash like material
60% sand & gravel moist, no odor PID: 0.0
2-4': fill material to 3', some coal ash
80% material mixed in. Native material
@ approximately 4', 15% fines PID: 0.0
trace of gravel wood, metal debris
4'-7' m-f sand/fill coal ash, wood debris
80% semi-plastic PID screening 0.0 units

B-4: 0-4'
80% Gravel, silty-sand (GSS) fill dirt
pieces of ash to ≈ 4' m-f sand
at 4'. 10-15% sp-fines, trace gravel
color medium brown to gray

Project No. 3551-CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

damp material @ 5'

4-6': same as 0-4' PID 0.0 units

80%

6-8': m-f sand, trace npf 5-10%

80% sand & gravel, grey color.

ledge encountered @ 8'

PID 0.0 units

B-5:

0-4' GSS fill material, plastic, glass

70% black color ash material. very black color. PID: 0.0 units

4-5' refusal @ 5' ledge PID 0.0 units

90%

B-6:

0-2' fill material, brown color, silty sand

medium to fine sand, 10-15% spf.,

10-15% sand, gray color, moist.

refusal (ledge @ 1.5')

Project No. 3551-C7
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-7

0-1.5' fill material, medium-fine sand
60% refusal @ 1.5' ash material
color darkbrown/black. PID: 0.0 units

B-8:

0-4' 3-inches of medium-fine sand under
90% asphalt followed by fill material. 3"
brown sand 0-2' black gravel silty
sand, some ash, some white quartz
like rock. PID 0.0 units
4-8' 1-foot recovery fill materia
gravel/silty-sand PID 0.0 units

8-9.5' ledge @ 9.5' same as above
PID: 0.0 units PID battery check good

B-9

0-1' refusal @ 1' 3 attempts
fill material gravel silty sand.
black/gray material.

Project No. 3551-CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-10

0-2' fill material medium to fine sand

rec. 90% 5-10% spf, 15-20% sand & gravel PID:0.0

ash material, red & brown color.

90% 2-4' gravel silty sand dark brown color

PID 0.0

90% 4-6' gravel silty sand dark brown color

PID 0.0

90% 6-8' wood, glass, plastic, metal

some fill material PID 0.0

B-11

0-2' refusal @ 2'

Black color fill material, ash glass

gravel & silty sand wet @ 1'

PID: 0.0

B-12 refusal @ 4" NO sample collected

B-13 0-2' Dark Brown gravel silty sand

fill material

Project No. 3551-C1
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

2-4' Dark Brown/Black fill material
80% glass, ceramic ash/coal PID: 0.0
4-8' Black fill material, wet. glass & coal
80% @ 8' PID 0.0
8-12' subangular gravel (SA)
90% ceramic, coal, metal, glass, asphalt
material PID: 0.0
12-16' Dark brown/black fill material
80% PID 0.0 metal, glass, ceramic (rust color @ 13')
16'-20' Gray/Brown clay, fine-silty sand
80% 10-15% semi-plastic fines (spf).
No gravel, mottled. PID 0.0

B-14 Two (2) refusals after 1' (ledge).
No sample brown/black fill material

B-15 Two (2) refusals after 1'
0-1' fill material black coal ash

B-16 refusal @ 1'

fill material gravel, silty sand
dark brown coal ash & coal.

Project No. 3551 - CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-17 Fill material
0-~~4~~ 2': dark brown gravel silty sand (gss)
60% glass, coal ash. PID: 0.0

2-4': more fill material, loose fill @ 3'
80% w/ metal & glass, coal ash ceramics
denser wet fill @ 4' PID: 0.0

4-7' wet GSS fill material black
60% loose gravely fill @ 7', mottling
PID: 0.0
60% 7-10' native material silty sand clay-like
mottling gray with mottles
very plastic PID 0.0 units
50% 10-13' mottled gray/brown fine to med.
sand no gravel, trace fines
PID 0.0 units

B-18 0-4 Fill material brown/black
refusal @ 4' contains glass, plastic
metal.
PID reading 0.0 units

Project No. 3551-CT
Date: 3/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-19

80% 0-2 fill material black/brown with glass
PID 0.0 units

80% 2-4' looser fill material medium to coarse sand
PID 0.0 units

4-8' fill material coal ash, metal, plastic
ashes @ 8' partially burned paper.
PID 0.0

60% 8-10' Refusal @ 10' fill material
rusty metals glass PID 0.0

B-20 0-2' fill material to 2' coal ash
40% weathered coal ash just below
asphalt surface. lt. brown silty
sand PID 0.0

B-21

60% 0-3' brown fill material to 3'
some glass, coal ash.

Project No. _____
Date: _____

CONECO FIELD LOG (continued)

Description of Work (continued):

B-22

0-2' Fill material with rock
50% refusal @ 2' ledge
gray fines / silt PID: 0.0

B-23

0-2' Fill material gray / black
50% refusal @ 3' bedrock / ledge
coal ash / glass PID: 0.0 units

B-24

0-3' Fill material brown & pulverized ledge
refusal @ 2' & 3' (second try)
PID: 0.0 units

B-25

0-4' Fill material dark brown/black
metal & glass, wood @ 4' resistance/
no odor PID: 0.0 refusal @ 4'

Project No. 3551-C1
Date: 1/29/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-26 refusal @ 9-inches no sample collected
fill material

B-27 0-1' refusal @ 1-foot no sample collected
fill material GSS light brown

B-27A 0-2' Top soil to ≈ 1' fill material
GSS to 4' refusal at 4'
PID: 0.0 units fill material coal ash

B-28 0-2' fill material dark brown/black
coal ash PID 0.0 units
2-4' fill to ≈ 4'
PID: 00
4-6' more fill material coal ash, ceramic
nylon rope PID: 0.0
6-8' wet @ ≈ 7' more fill GSS
PID: 0.0

B-24A
0-4' Dark brown/gray GSS to 4'
rocks @ 2' + 3'
Glass, coal ash

Project No. 3551-C1
Date: 3/29/99 - 3/

CONECO FIELD LOG (continued)

Description of Work (continued):

B-24 A

4'-8' SAA PID 0.0 units

8'-12' 8-9' light brown fill (full of glass

9-11' dark brown

11-12 red/brown glass coal?

PID: 0.0 unit no odor

3/30

S-40 0-1' refusal @ 1'

GSS dark brown/gray no odor

coarse - fine sand

quartz rock/ledge PID: 0.0 units

S-39 0-4' GSS dark brown/black

contains glass, coal ash

PID: 0.0 units

S-38 0-3.5' refusal @ 3.5'

GSS dark brown/gray

fill material no odor

PID: 0.0 units, no odor

CONECO FIELD LOG (continued)

Description of Work (continued):

B-37 refusal @ 2"-4' no sample taken

B-36 refusal @ 6" 0-6" loamy material
very rich moist dark brown/black
like top soil trace gravel
no odor.

B-35
0-4' Dark brown fill material GSS to
@ 4' small amounts of clay
fine silty sand @ 3.5-4' PID:0.0
4-7' Same dark brown/grey fill material
and mixed clay nodules
refusal @ 7' (ledge). No odor
PID:0.0

B-34 0-2' silty sand clay like very light
redish brown color. trace of
gravel 10-15% sp. fines
PID:0.0 units, no odor

Project No.:
Date: 9/30/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-34 2-4': ssa to 3' from 3'-4'
more sandy material less fines 5-10%
5-10% gravel small round.
darker light brown color
PID: 0.0 units no odor

4-5' same as 2'-4'
5-7' m-f sand 10-15% SR gravel
5-10% fines
light/dark brown mix
bedrock @ 7'
PID: 0.0 No odor.

B-33 0-18" Dark brown fill material gss
to 18" refusal @ 18" (ledge)
PID 0.0 units
B-32 0-3' refusal @ 3' (ledge).
Fill material w crushed rock
brown/gray/black color.
No odor PID 0.0 units

Date: 3/30/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-31 0-4' dark brown fill material GSS
clean. PID = 0.0
4'-8' Pulverized rock no sample

B-29 0-3' fill material to approx. 3'
PID = 0.0 glass coal ash etc... no sample
3-4' Brown medium to fine sand
PID = 0.0 10-15 % npf. trace of gravel
4-5' Fill material mixed with coal ash
same as 3-4' PID 0.0 units

B-41 0-4' Top soil for 6", fill dirt
~~clean~~ dark brown, less gravel
contains glass, plastic, ceramics
coal ash @ 4'
4-6' Fill material, same as above
* @ 4 & 5' black tar like material
No odor PID = 0.0 units

CONECO FIELD LOG (continued)

Description of Work (continued):

B-42 0-2': fill material dark brown
PID: 0.0 units ceramic pieces, metal, glass
2-4' dark brown fill material
No foreign matter. moist clay like.
4-6.5' similar to 2-4'
PID. 0.0 units, no odor

B-43 0-3' ledge @ 3' (grass area)
few inches of Top soil
fill material dark brown
coarse to fine sand
10-15% rock 5-10% gravel

B-44 0-3' refusal @ 3' (ledge)
Topsoil to 6-inches fill material
to 3' PID 0.0 units no odor
no debris

B-45
0-3' Top soil to 6-inches, fill material
to 3'. dark brown.

CONECO FIELD LOG (continued)

Description of Work (continued):

B-45 3-4' medium - fine dark brown sand
appears to be native - virgin
80% 10 - 15% npd. trace gravel
PID: 0.0 no odor (SA) - (A)
~~6-8'~~ 4-6' same as above
80% 6-8' clay like material silty sand
15-20% npf, 5-10% gravel
net @ 6.5' dark brown
80% 8.5' coarse to fine sand with clay
like properties, more sand than
previous layers. dark brown
some gravel subangular (SA) odorless

B-46 0-2' Gravel GSS dark gray/black
PID 0.0
2-4' nothing at ≈ 3' brown/gray silty
sand chunks of wood @ ≈ 2.5'
light brown/reddish at bottom 4'
clay like moist.
4-7.75' brown/gray silty sand to 7'
GSS to ledge refusal @ 7.75'

Project No: _____
Date: 3/30/99

CONECO FIELD LOG (continued)

Description of Work (continued):

B-47 0-3' dark brown. GSS to ≈ 2'
wet @ 2' Gray GSS to 3'
refusal @ 3'
no odor, PID: 0.0 units

B-48 0-2' dark brown/gray GSS - gravel silty sand
coarse to fine sand 10-15% spf.
15-20% SA gravel
2-4' Light brown GSS c-f sand
10-15% spf 10-15% SA gravel
4-6.5 SA gravel light brown/dark brown
last fat pulverized ledge.

CONECO FIELD LOG

Project Name: W & M Properties, Inc. **Date:** April 15, 1999

Project No.: 3551-CT **Location:** 500 Mamaroneck Ave. Harrison, NY

Coneco Engineer: M. Feldman **Subcontractor:** Brooks Labs, Inc.

Description of Work: Geoprobe soil boring

HNu PID calibration with 100 ppm isobutylene standard

background 0.0 units

B-49 (near D&M boring #1)

60% recovery 0-4' silty sand & gravel

0-6" gravel, wood/plastic/burn paper

wire/wood & cinders

PID 0.0 units

4-7.5 refusal @ 7.5'

soil slightly moist ~~50%~~ 50%

is not natural material.

PID 0.0 units

B-50 (near GP-11)

60% recovery 0-4' 4-inches gravel, silty sand

60% recovery 4-5.5' ledge @ 7.5'

glass/wood cinders/metal

burn odor.

PID 0.0 units

Project No. 3551-CT

Date: April 15, 1999

CONECO FIELD LOG (continued)

Description of Work (continued):

B-51 (Near GP-12)

70% 0-4' 70% recovery some glass throughout silty sand PID 0.0 units

30% 4-5.5' more natural type fill material some glass @ 4.5' PID 0.0 units

refusal @ 5.5 ledge

B-52 0-4' sand silt brown moist 90% recovery

4-7' 1.5' of sand & silt / brown muddy 6" glass, plastic, wood 4" charred material refusal @ 7' HNU PID 0.0 units, no odor

B-53 0-4' silty sand 3A gravel PID 0.0 · medium-dark brown gray no odor

4-8' same as above PID 0.0 no odor. fill material refusal @ 7.5'

Project No. 3551-CT

Date: April 15, 1999

CONECO FIELD LOG (continued)

Description of Work (continued):

B-56 (Near GP-19)

100% recovery 0-4' Silty sand some gravel
SA gravel medium-dark brown
No odor soil moist
PID 0.0

70% 4-8' glass @ 7-7.5'
some gravel f-m sand
brown/gray color no odor
PID 0.0

90% 8-12' refusal @ 12'
brown silty sand natural looking
of clean fill. PID 0.0

B-54 (near 22' east south east Conoco B-41)
0-4 sand/silt PID 0.0 60% recovery
No odor. (1st 6" top soil)
@ 5' glass & metal pieces
4-8' Fill material dark brown some
glass
8-11' melted glass natural

Project No. 3551-CT

Date: April 15, 1999

CONECO FIELD LOG (continued)

Description of Work (continued):

B-57 (east of 54 + 41)

0'-3' 4-inches top soil

50% refusal @ 3.0 ledge

small amount of glass

natural looking material @ 2.5' dark brown sand

HNu PID 0.0 units

No odor

B-55 (near D+M #8)

0-2.5' ledge at 2.5'

APPENDIX C

IMMUNOASSAY RESULTS

********** S D I *********

PROTOCOL : CARC PAH

TECH ID : MCF
LOT # : 8H1066
EXP DATE: 6/99

Data Reduct: Lin.Regression
Xformation: Ln/LgtB
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.859
Intercept = 0.880
Corr (r) = 0.9897**

Transformed Data :

Conc	Abs
-2.30	2.974
0.00	0.600
1.61	-0.338

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	0.487		
	0.737		
Mean	0.612	28.9*	
0.10	0.579		0.10
	-0.001		-0.7
	0.585		0.08
	-0.024		-31.8
Mean	0.582	0.8	0.09
	-0.013		-14.4
1.00	0.395		1.38
	0.381		27.6
	0.394		1.39
	0.391		28.1
Mean	0.395	0.2	1.39
	0.386		27.8
5.00	0.243		4.53
	-0.471		-10.4
	0.267		3.76
	-1.236		-32.9
Mean	0.255	6.6	4.13
	-0.874		-21.2

Control Data :

Ctrl#	Abs	Conc
1	0.324	2.43

ID _

Sa

Spl#	Abs	Conc	ID
1	0.491	0.55	1 S-3 (0-2')
2	0.259	3.98	2: S-3 (2-4')
3	0.350	1.98	3 S-3 (4-7')
4	0.461	0.76	4 S-4 (0-2')
5	0.628	nd	5 S-4 (2-4')
6	0.546	0.24	6: S-4 (4-6')
7	0.650	nd	7 S-4 (6-8)
8	0.489	0.56	8 S-5 (0-2')
9	0.469	0.69	9 S-5 (2-4')
10	0.446	0.88	10 S-5 (4-5')
11	0.620	nd	11 S-6 (0-2')
12	0.401	1.32	12 S-7 (0-1.5')
13	0.625	nd	13 S-8 (0-2')
14	0.694	nd	14 S-8 (2-4')
15	0.540	0.26	15 S-8 (4-8')
16	0.321	2.48	16: S-9 (0-1')
17	0.589	0.06nd	17 S-10 (0-2')
18	0.589	0.06nd	18 S-10 (2-4')
19	0.501	0.48	19 S-10 (4-6')
20	0.593	0.05nd	20: S-10 (6-8')
21	0.518	0.38	21 S-11 (0-2')
22	0.590	0.06nd	22 S-13 (0-2')
23	0.595	0.04nd	23 S-13 (2-4')
24	0.593	0.05nd	24 S-13 (4-8')
25	0.503	0.47	25 S-13 (8-12')
26	0.340	2.15	26: S-13 (12-16')
27	0.631	nd	27 S-13 (16-20')
28	0.337	2.19	28: S-15 (0-1')
29	0.369	1.71	29: S-16 (0-1')
30	0.583	0.08nd	30 S-17 (0-2')
31	0.521	0.37	31 S-17 (2-4')
32	0.606	0.01nd	32 S-17 (4-7')
33	0.618	nd	33 S-17 (7-10')

CPAH

I: 34 S-17 (10-13')

35 0.588 0.07nd

ID: 35 S-18 (0-4')

36 0.566 0.15

ID: 36 S-18 (4-6.5')

37 0.531 0.31

ID: 37 S-19 (0-2)

38 0.174 8.12Hi

ID: 38: S-19 (2-4')

39 0.371 1.69

ID: 39: S-19 (4-8')

40: No sample 8'

40 0.615 nd

ID: 41 S-19 (8-10')

41 0.563 0.16

ID: 43 S-20 (0-2')

42: No sample S-20 surface

42 0.302 2.86

ID: 44: S-21 (0-3')

43 0.442 0.92

ID: 45 S-22 (0-2)

44 0.452 0.83

ID: 46 S-23 (0-3)

45 0.533 0.30

ID: 47: S-24 (0-3')

46 0.461 0.76

ID: 48: S-25 (0-4')

47 0.538 0.28

ID: 49: S-27A (0-2)

48 0.506 0.45

ID: 50 S-27A (2-4)

END
04-(

CPAH

********** S D I *********

PROTOCOL : CARC PAH

TECH ID : MCF
LOT # : BH 1066
EXP DATE: 6/99

Data Reduct: Lin.Regression
Xformation: Ln/L9tB
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.350
Intercept = -0.393
Corr (r) = 0.9953

Transformed Data :

Conc	Abs
-2.30	0.382
0.00	-0.316
1.61	-1.003

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	1.407		
	0.749		
Mean	1.078	43.1*	
0.10	0.633		0.12
	0.019		15.7
	0.648		0.10
	0.001		1.0
Mean	0.641	1.6	0.11
	0.009		8.6
1.00	0.452		0.82
	-0.179		-21.8
	0.456		0.79
	-0.215		-27.3
Mean	0.454	0.6	0.80
	-0.197		-24.5
5.00	0.295		5.27
	0.271		5.1
	0.284		6.15
	1.147		18.7
Mean	0.289	2.8	5.69
	0.689		12.1

Control Data :

Ctrl#	Abs	Conc
1	0.359	2.35

ID

Sam:

Spl#	Abs	Conc
1	0.684	0.07nd

ID: 51 S-28 (6-8')

2	0.712	0.05nd

ID: 52 S-28 (2-4')

3	0.513	0.43

ID: 53: S-28 (4-6')

4	0.729	0.04nd

ID: 54: S-28 (6-8')

5	0.419	1.19

ID: 55: S-24A (0-4')

6	1.044	0.00nd

ID: 56 S-24A (4-8')

7	0.700	0.06nd

ID: 57: S-24A (8-10')

8	0.734	0.04nd

ID: 58 S-24A (10-12)

9	0.709	0.05nd

ID: 59 S-40 (0-1)

10	0.671	0.08nd

ID: 60: S-39 (0-4')

11	0.692	0.06nd

ID: 61 S-38 (0-3.5)

12	0.437	0.97

ID: 62 S-36 (0-0.5)

13	0.607	0.16

ID: 63 S-35 (0-4')

14	0.593	0.18

ID: 64: S-35 (4-7')

15	0.778	0.02nd

ID: 65 S-34 (0-2')

16	0.787	

ID 66 S-34 (2-4')

ID: 67 S-34 (4-5')

18	0.650	0.10nd

ID: 68 S-34 (5-7')

19	0.646	0.10

ID: 69 S-33 (0-1.5)

20	0.718	0.05nd

ID: 70 S-32 (0-3)

21	0.758	0.03nd

ID: 71: S-31 (0-2')

22	0.725	0.04nd

ID: 72 S-31 (2-4')

23	0.687	0.07nd

ID: 73 S-29 (3-4')

24	0.743	0.03nd

ID: 74 S-30 (0-4')

25	0.356	2.44

ID: 75 S-41 (0-4')

26	0.323	3.68

ID: 76 S-41 (4-6')

27	0.447	0.87

ID: 77 S-42 (0-2')

28	0.715	0.05nd

ID: 78 S-42 (2-4')

29	0.780	0.02nd

ID: 79 S-42 (4-6.5')

30	0.672	0.08nd

ID: 80 S-43 (0-3)

31	1.497	nd

ID: 81 S-45 (0-3')

32	0.775	0.02nd

ID: 82 S-45 (2-4')

33	0.725	0.04nd

ID: 83: S-45 (4-6')

3/4

CPAH

********** S D I *********

PROTOCOL : PCB

TECH ID : MCF
LOT # : 8K00129
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/Lgt8
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.734
Intercept = 0.259
Corr (r) = 0.9836**

Transformed Data :

Conc	Abs
-1.39	1.402
0.00	0.027
1.61	-0.815

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	1.710		
	1.673		
Mean	1.692	1.5	
0.25	1.364		0.20
	-0.046		-22.3
	1.351		0.22
	-0.033		-15.0
Mean	1.357	0.6	0.21
	-0.039		-18.6
1.00	0.976		0.93
	-0.066		-7.1
	0.738		2.02
	1.015		50.4
Mean	0.857	19.6*	1.37
	0.373		27.2
5.00	0.527		4.19
	-0.813		-19.4
	0.511		4.45
	-0.546		-12.3
Mean	0.519	2.2	4.32
	-0.682		-15.8

Control Data :

Ctrl#	Abs	Conc
1	0.575	3.51

Sa

Spl#	Abs	Conc
1	1.583	0.04nd

ID: 1:S-3 (0-2') <0.5 ppm

2	1.562	0.05nd

ID: 2: S-3 (2-4')

3	1.571	0.04nd

ID: 3: S-3 (4-7')

4	1.596	0.03nd

ID: 4: S-4 (0-2')

5	1.627	0.02nd

ID: 5: S-4 (2-4')

6	1.758	nd

ID: 6: S-4 (4-6')

7	1.719	nd

ID: 7: S-4 (6-8')

8	1.638	0.01nd

ID: 8: S-5 (0-2')

9	1.499	0.09nd

ID: 9: S-5 (2-4')

10	1.672	0.00nd

ID: 10: S-5 (4-5')

11	1.568	0.04nd

ID: 11: S-6 (0-2')

12	1.660	0.01nd

ID: 12: S-7 (0-1.5')

END OF
04-02

PCB

PROTOCOL : PCB

TECH ID : MCF
LOT # : 8K0029
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/LgtB
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.765
Intercept = 0.445
Corr (r) = 0.9998

Transformed Data :

Conc	Abs
-1.39	1.491
0.00	0.472
1.61	-0.799

Calibrator Data:

Conc	Abs	%CV	Predic
	Diff		%Diff
0.00	1.483		
	1.463		
Mean	1.473	0.9	
0.25	1.218		0.23
	-0.019		-8.3
	1.186		0.28
	0.030		10.7
Mean	1.202	1.9	0.25
	0.005		1.9
1.00	0.879		1.07
	0.070		6.5
	0.935		0.87
	-0.131		-15.1
Mean	0.907	4.3	0.96
	-0.035		-3.6
5.00	0.438		5.49
	0.490		8.9
	0.475		4.71
	-0.285		-6.0
Mean	0.457	5.7	5.08
	0.083		1.6

Control Data :

Ctrl#	Abs	Conc
1	0.561	3.38

ID:

Sample

Spl#	Abs	Conc
1	1.434	0.02nd

ID: 13 : S-8(0-2')

2	1.458	0.00nd

ID: 14 : S-8(2-4')

3	1.445	0.01nd

ID: 15: S-8(4-8')

4	1.346	0.08nd

ID: 16: S-9 (0-1')

5	1.431	0.02nd

ID: 17: S-10(0-2')

6	1.457	0.00nd

ID: 18: S-10 (2-4')

7	1.351	0.08nd

ID: 19: S-10 (4-6')

8	1.449	0.01nd

ID: 20: S-10 (6-8')

9	1.407	0.03nd

ID: 21: S-11(0-2')

10	1.453	0.01nd

ID: 22: S-13(0-2')

11	1.421	0.02nd

ID: 23: S-13 (2-4)

12	1.397	0.04nd

ID: 24: S-13 (4-8)

13	1.406	0.03nd

ID: 25 : S-13 (8-11)

14	1.458	0.00nd

ID: 26: S-13(12-16')

15	1.502	nd

ID: 27: S-13 (16-20')

16	1.427	0.02nd

ID: 28: S-15(0-1')

ID: 29: S-16 (0-1')

18	1.474	nd

ID: 30 S-17 (0-2)

19	1.461	0.00nd

ID: 31 S-17 (2-4)

20	1.416	0.03nd

ID: 32 S-17 (4-7')

21	1.482	nd

ID: 33 S-17 (7-10)

22	1.422	0.02nd

ID: 34 S-17 (10-13')

23	1.359	0.07nd

ID: 35 : S-18(0-4')

24	1.439	0.01nd

ID: 36 S-18 (4-6.5)

END OF RUN
04-02

********** S D I *********

PROTOCOL : PCB

TECH ID : MCF
LOT # : AK0039
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/Ln10
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.803
Intercept = 0.579
Corr (r) = 0.9999

Transformed Data :

Conc	Abs
-1.39	1.702
0.00	0.561
1.61	-0.705

Calibrator Data:

Conc	Abs	%CV	Predic %Diff
	Diff		
0.00	1.468		
	1.571		
Mean	1.520	4.8	
0.25	1.277		0.26
	0.010		3.8
	1.293		0.23
	-0.016		-6.6
Mean	1.285	0.9	0.25
	-0.003		-1.2
1.00	0.943		1.11
	0.115		10.3
	0.992		0.94
	-0.063		-6.7
Mean	0.967	3.6	1.02
	0.023		2.2
5.00	0.507		4.87
	-0.133		-2.7
	0.498		5.03
	0.031		0.6
Mean	0.502	1.3	4.95
	-0.052		-1.1

Control Data :

Ctrl#	Abs	Conc
1	0.584	3.69

Samp

Spl#	Abs	Conc
1	1.583	nd
ID: 37 S-19 (0-2)		
2	1.255	0.30
ID: 38: S-19 (2-4')		
3	1.416	0.08nd
ID: 39 S-19 (4-8')		
4	1.503	0.01nd
ID: 41 S-19 (8-10')		
5	1.485	0.02nd
ID: 43 S-20 (0-2')		
6	1.434	0.06nd
ID: 44: S-21 (0-3')		
7	1.478	0.02nd
ID: 45 S-22 (0-2')		
8	2.038	nd
ID: 46 S-23 (0-3')		
9	2.052	nd
ID: 47: S-24 (0-3')		
10	1.401	0.10nd
ID: 48 S-25 (0-4')		
11	1.404	0.09nd
ID: 49 S-27A (0-2)		
12	1.379	0.12nd
ID: 50 S-27A (2-4')		
13	1.569	nd
ID: 51 S-28 (6-8')		
14	1.422	0.07nd
ID: 52 S-28 (2-4'		
15	1.008	0.88
ID: 53: S-28 (4-6')		
16	1.442	0.05nd
ID: 54 S-28 (6-8')		

1

ID: 55 S-24A (0-4')

18	1.451	0.05nd
ID: 56 S-24A (4-8')		
19	1.275	0.26
ID: 57: S-24A (8-10')		
20	1.400	0.10nd
ID: 58 S-24A (10-12')		
21	1.423	0.07nd
ID: 59 S-40 (0-1)		
22	1.163	0.47
ID: 60: S-39 (0-4')		
23	1.531	nd
ID: 61 S-38 (0-3.5')		
24	1.412	0.08nd
ID: 62 S-36 (0-0.5)		
25	1.447	0.05nd
ID: 63 S-35 (0-4')		
26	1.200	0.40
ID: 64: S-35 (4-7')		
27	1.542	nd
ID: 65 S-34 (0-2')		
28	1.640	nd
ID: 66 S-34 (2-4')		
29	1.474	0.03nd
ID: 67 S-34 (4-5')		
30	1.434	0.06nd
ID: 68 S-34 (5-7')		
31	1.430	0.06nd
ID: 69 S-33 (0-1.5')		
32	1.475	0.03nd
ID: 70 S-32 (0-3)		
33	1.465	0.03nd
ID: 71: S-31 (0-2')		
34	1.433	0.06nd
ID: 72 S-3 (2-4')		

END C
04-02

PROTOCOL : PCB

TECH ID : MCF
LOT # : 0210029
EXP DATE: 8/99

Data Reduct: Lin.Regression
Xformation: Ln/Lgt8
Read Mode : Absorbance
Wavelength : 450 nm
Units : PPB

EQUATION OF LINE :

Slope = -0.776
Intercept = 0.459
Corr (r) = 0.9993

Transformed Data :

Conc	Abs
-1.39	1.508
0.00	0.510
1.61	-0.814

Calibrator Data:

Conc	Abs Diff	%CV	Predic %Diff
0.00	1.368		
	1.333		
Mean	1.351	1.8	
0.25	1.123		0.23
	-0.019		-8.1
	1.089		0.29
	0.038		13.3
Mean	1.106	2.2	0.26
	0.009		3.5
1.00	0.835		0.97
	-0.027		-2.8
	0.853		0.90
	-0.099		-10.9
Mean	0.844	1.6	0.94
	-0.063		-6.8
5.00	0.413		5.19
	0.192		3.7
	0.416		5.12
	0.116		2.3
Mean	0.415	0.6	5.15
	0.154		3.0

Control Data :

Ctrl#	Abs	Conc
1	0.508	3.47

Sel#	Abs	Conc
1	1.302	0.03nd

ID: 73: S-29 (3-4')

2	1.311	0.02nd

ID: 74: S-30 (0-4')

3	1.279	0.04nd

ID: 75: S-41 (0-4')

4	1.288	0.04nd

ID: 76: S-41 (4-6')

5	1.263	0.06nd

ID: 77: S-42 (0-2')

6	1.304	0.02nd

ID: 78: S-42 (2-4')

7	1.330	0.01nd

ID: 79: S-42 (4-6.5')

8	1.315	0.02nd

ID: 80: S-43 (0-3')

9	1.273	0.05nd

ID: 81: S-45 (0-3')

10	1.280	0.04nd

ID: 82: S-45 (2-4')

11	1.308	0.02nd

ID: 83: S-45 (4-6')

12	1.263	0.06nd

ID: 84: S-45 (6-8')

13	1.234	0.09nd

ID: 85: S-46 (0-2')

14	1.284	0.04nd

ID: 86: S-46 (2-4')

15	1.261	0.06nd

ID: 87: S-41 (4-7.25')

16	1.289	0.04nd

ID: 88: S-47 (0-3')

ID: 89: S-48 (0-2')

18	1.234	0.09nd

ID: 90: S-48 (2-4')

19	1.249	0.07nd

ID: 91: S-48 (4-6')

END OF
04-0

PCB

APPENDIX D

ANALYTICAL LABORATORY DATA SHEETS
CHAIN OF CUSTODYS

ALL RAW LABORATORY DATA AVAILABLE UPON REQUEST

SITE ASSESSMENT REPORT

500 Mamaroneck Avenue
Harrison, New York

June 1998

Prepared for:

500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
175 Froehlich Farm Boulevard
Woodbury, New York 11797

14540018.084

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1.0 *INTRODUCTION*

Environmental Resources Management (ERM) has prepared this Voluntary Cleanup Site Assessment Report on behalf of 500 Mamaroneck Avenue Associates (owner) to document conditions at their property located at 500 Mamaroneck Avenue, Harrison, New York (site). The site, a five-story office building, is being marketed by the Bank of Nova Scotia and title will pass to the new owner. AKRF, INC. (AKRF), completed a Phase I Environmental Investigation in April of 1997.

A potential purchaser engaged Dames and Moore, Inc. to collect soil and groundwater samples to assess potential impacts from past property usage. Dames and Moore produced preliminary sampling results which indicated residual soil concentrations of Resource Conservation Recovery Act (RCRA) metals, polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in excess of regulatory standards or guidelines. Groundwater samples collected by Dames & Moore, however did not indicate any significant levels of contaminants.

1.1 *PURPOSE OF REPORT*

In May 1998, the site owner retained ERM, to further evaluate conditions at the site retained ERM. ERM recommended the installation of additional soil borings to:

- Verify the presence and establish concentrations of PAHs and PCBs.
- More completely delineate the areal and vertical extent of any residual inorganic, PCB or PAH soil contamination.

This report details the results of sampling program carried out at 500 Mamaroneck Avenue, by ERM, evaluates the fate and transport of the residual contaminants detected and recommends a remedial alternative

consistent with the property usage. Additional groundwater sampling was not recommended because the Dames & Moore results did not indicate significant impacts.

1.2 *BACKGROUND*

The site is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1. The Town of Harrison defines the property as Block 482, Lot 8. The current configuration is shown on Figure 2.

1.2.1 *Study Area Description & History*

The site is approximately 34.5 acres and is occupied by a five-story commercial office. The building construction began in 1983, with tenant occupancy beginning around 1986. Approximately 14 acres of the site have been improved in conjunction with the construction of the office complex. This includes bituminous paved parking areas parking covering approximately 9 acres and a building foot print of approximately 1.5 acres. The remaining sections of the developed portion of the site include landscaped shrubbery and lawns. The undeveloped portion of the property is located to the east of the office complex and serves as a buffer for the adjacent residences.

Site topography has changed substantially as a result of construction activities. Approximately 340,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site. Water is provided by the local municipal system and the site therefore has no drinking water

well(s). One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system.

The site rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Saxon Woods Park is separated from the site by Mamaroneck Avenue. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store.

Based on review of available aerial photographs, the site appears undeveloped until 1954. In the 1954, the Harrison Town incinerator is visible along Mamaroneck Avenue. From 1954 until 1980, there were no major changes at the site, i.e., the incinerator appears in all of the aerials. In the 1986 aerial, the office building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

1.2.2 *Site Geology*

Based on the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck. New York Quadrangle, site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the property. Based on the topography and general site features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the site boundary.

According to the September 1994 General Geology Map of Putnam and Westchester Counties. New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property.

1.2.3 *Previous Investigations*

Previous investigations carried out at the site include: Goldberg Zoino and Associates (GZA), May 1986; Environmental Risk Limited (ERL), April 1988; U.S. Hydrogeological, Inc. (USHI), October, 1988; AKRF, Inc. (AKRF), April 1997 and Dames & Moore, Inc., 1998 (late February or early March). Except for the Dames & Moore sampling, these investigations are Phase I Environmental Assessments, however, GZA, ERL and USHI collected limited soil and/or groundwater samples as part of their work.

Specifically, GZA collected two soil samples from the southeastern portion of the developed portion of the property. The samples were collected from a berm constructed of material, which appeared to contain debris from past MSW operations (see Figure 2). The samples were composited and analyzed for priority pollutant metals after extraction following the EP Toxicity procedure. According to the GZA report, all metals results were at least an order of magnitude below relevant standards.

ERL collected a groundwater sample from the on-site production well (Figure 2). The sample was submitted for analysis for volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (USEPA) methods 601 and 602, EP Toxic metals and cyanide. None of the analyses performed revealed contaminants above method detection limits.

USHI collected two soil samples from the undeveloped eastern portion of the property (see Figure 2). The samples were analyzed for cadmium, chromium and lead. The results are: <1.41 and <1.56 milligrams/kilogram (mg/kg) for cadmium; 41.7 and 65.3 mg/kg for chromium; and 77.6 and 136 mg/kg for lead, respectively. These were total metals analyses and therefore cannot be compared to EP Toxicity values. However, USHI concluded that although the levels appear to be slightly elevated, they are consistent with typical soil metals concentrations from urban settings and do not indicate contamination from operation of the incinerator.

As discussed above, Dames & Moore collected soil and groundwater samples on behalf of a potential buyer. Initially they proposed the installation of 8 soil borings , however, 2 of their borings were not installed due to the presence of underground utilities. Figure 2 presents the locations of the Dames & Moore boring locations. The soil samples were analyzed for VOCs , PAH and PCB semi-volatile organic compounds (SVOCs) and RCRA metals. Only the results of the Dames & Moore sampling were supplied to the property owner, therefore, the analytical methodology is unknown. However, it is likely that standard USEPA analytical methods were used because the samples were collected as part of a due diligence investigation for a property transfer.

No VOCs exceeded regulatory guidelines in any of the six soil samples collected. Dames & Moore's report stated that the PAHs and PCBs exceed regulatory guidelines in one sample collected in the northeastern section of the property. The PAHs detected in this sample included benzo(a)pyrene at an estimated concentration of 320 micrograms/kilogram (μg/kg), chrysene at 670 μg/kg and benzo(a)anthracene at 600 μg/kg. The PCB concentration in this sample was 13,000 μg/kg of Aroclor 1242. The report also states that RCRA metals exceed regulatory guidelines in all of the samples. However, that

conclusion is based on a total metals analysis of the soils. Considering the proximity of bedrock at the site, it is likely that metal concentrations in the overburden soil would be abnormally elevated due to dissolution or weathering of the bedrock. Without a thorough analysis and understanding of background metals concentrations in the Harrison area, comparison of the Dames & Moore metals data to regulatory guidelines is premature.

Groundwater samples were collected from the existing on-site well and from borehole No 3. The groundwater samples were analyzed for VOCs and RCRA metals. No parameters were detected above its respective regulatory guidance criterion.

A copy of the previous investigation reports is presented in Appendix A.

2.0 *SITE INVESTIGATION*

To better understand and more completely define the extent of potential impacts from past activities at the site, ERM installed 21 soil borings at the 500 Mamaroneck Avenue site. Because more than 340,000 cubic yards of soil and bedrock were excavated from the site during construction, borings were located in areas suspected to contain the greatest thickness of overburden soil. Several borings were also collocated with borings installed by Dames & Moore and in the former location of the municipal incinerator.

As discussed in Section 1.2.3, contaminants have not been detected in any samples collected from the on-site well. Additionally, Dames & Moore collected a groundwater sample from boring No. 3. This sample also did not contain contaminants in excess of regulatory guidelines. Dames & Moore also analyzed soil samples for VOCs. Except for common laboratory contaminants, such as acetone and methylethyl ketone, VOCs were not detected in the Dames & Moore soil samples. ERM therefore concluded that collection of groundwater samples was not warranted.

ADT, INC of New Hyde Park, New York Park installed the borings using a GeoProbe™ under the supervision of an ERM geologist. Each boring was advanced to a total depth of ten feet or until refusal. Continuous 3-foot samples were collected using a MacroCore™ sampler and each sampled screened for VOCs using a field instrument equipped with a photoionization detector (PID). The MacroCore™ sampler was decontaminated between borings using a detergent wash followed by distilled water rinse.

The initial round or boring installations was carried out on May 12, 1998. Borings GP-1 through GP-15 at the locations indicated on Figure 2. At several locations only a thin mantle of soil was observed. At other

borings, cinder-like material was observed. VOCs were not observed in any of the samples collected. The field notes from the boring installation are provided in Appendix B.

Because of the presence of numerous utilities including electric, water and sewer lines in the front of the building, it was necessary to conduct a Geophysical survey to clear boring locations. NAEVA Geophysics Inc. (NAEVA) of Tappan, New York conducted the survey. While on-site, NAEVA also surveyed the area near Dames & Moore boring No. 8 where PCBs were detected at a depth of 4 to 6- feet. Although the ground penetrating radar (GPR) survey identified a depression in the bedrock surface in this location, ERM was unsuccessful in collecting a sample at the same depth as indicated by the Dames & Moore data from this location.

On May 26, 1998, ADT returned to the site and installed borings at locations GP-16, GP-20 and GP-21 (Figure 2). The installation of these borings followed the protocol described above. Note that ERM boring location GP-16 was near Dames & Moore Boring No. 8.

Because of concerns regarding crossing sewer and water lines located in front of the building with the GeoProbe™ rig, borings GP-17, GP-18 and GP-19 were installed using a Tripod drilling apparatus. Soil samples were collected using a standard 2-foot split-barrel core sampler (split spoon), which was decontaminated as described above.

After collection, samples were stored on ice and shipped for immuno-assay screening for PCBs and PAHs. Ohmicron field immuno-assay screen kits were used because they provide the lowest detection limits of available immuno-assay screening kits. The Ohmicron kits also meet the requirements of USEPA SW-846 immuno-assay methodologies. Based on the results of the screening and sample location with respect to previously

selected samples were sent to the American Environmental Network (AEN) laboratory in Monroe Connecticut.

The soil samples were analyzed for PAHs using USEPA method 8270B, PCBs using USEPA method 8081, and RCRA metals after extraction using the Toxicity Characteristic Leaching Procedure (TCLP). After the preliminary results from the set of samples collected on May 12, 1998 were obtained, AEN was requested to reanalyze several samples for PAHs and PCBs after extraction of the samples using the TCLP leaching procedure. This additional analysis was undertaken to assess the mobility of the PAHs and PCBs, which were detected.

3.0 *SAMPLING RESULTS*

Immuno-assay screening results for the PAHs ranged from 8 to 888 μg/kg with a method detection limit (mdl) of 4 μg/kg. PCB concentrations, as determined by immuno assay testing ranged from non-detect (ND) to 323 μg/kg with an mdl of 500 μg/kg. After review of the field screening results, 14 samples were selected for laboratory analysis. The selected samples contained both low and high concentration samples and samples collected near previously sampled areas.

The data from the soil samples collected on May 12, 1998 was received by ERM and reviewed to determine the necessity for additional sampling collection or analysis The results from the May 12th sampling indicated the presence of PAHs, and PCBs in several of the soil samples above applicable regulatory limits. Concentrations of PCBs ranged from 56 μg/kg to 4,200 μg/kg. Concentrations of PAHs ranged from 110 to 7,800 μg/kg, with individual PAH concentrations of benzo(a)anthracene (Borings GP-12A, GP-12B, GP-13A), benzo(b)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Borings GP-12B, GP-13A), benzo(k)fluoranthene (Boring GP-12B), benzo(a)pyrene (Borings GP-12A, GP-12B, GP-13A), chrysene (Borings GP-12A, GP-12B, GP-13A) and dibenzo(a,h)anthracene (Boring GP-12B) exceeding the Clean-up Objectives of NYSDEC TAGM 4046. The total estimated PCB concentration of 4,200 μg/kg obtained in ERM boring GP-11A exceeds the surficial total PCB clean-up criterion of 1,000 μg/kg.

Several RCRA metals were detected in the May 12th samples above the laboratory mdl. However, RCRA metal concentrations did not exceed regulatory criteria. As discussed in Section 3.0, the RCRA metals testing was carried out using the TCLP extraction procedure and the results indicate that although RCRA metals are present in the soil at 500 Mamaroneck Avenue, they are not mobile. Therefore, it was decided to

reanalyze several of the May 12th samples for PAHs ad PCBs using the TCLP extraction procedure. Soil samples from GP-11A, GP-12A, GP-12B and GP-13A were therefore reanalyzed to assess the mobility of these compounds.

The results of the TCLP leaching and reanalysis indicated that PCBs were not detected above the mdl. PAH concentrations in the TCLP extracted samples ranged from an estimated value of 0.2 μg/L to 4 μg/L. These concentrations are at least two orders of magnitude less than the applicable TAGM Clean-up Objective. Base on these TCLP data, it can be concluded that the PAHs in PCBs in the soil at the 500 Mamaroneck Avenue are not mobile.

Four samples from the May 26th and 27th sampling were sent for laboratory analysis. PCBs, above the mdl, were present in three of the samples (GP-19B/C, GP-19D/E/F and GP-21A), however, total PCB concentrations did not exceed regulatory recommended clean-up objectives. PAH concentrations ranged from 450 μg/kg to 22,000 μg/kg in the May 26th and 27th samples. The concentration of benzo(a)anthracene (Borings GP-19B/C, GP-19D/E/F, GP-20A), benzo(b)fluoranthene and benzo (k)fluoranthene (Boring GP-19D/E/F), benzo(a)pyrene (Borings GP-19B/C, GP-19D/E/F and GP-20A) and dibenz(a,h)anthracene (Boring GP-19D/E/F) exceed TAGM 4046 Soil Clean-up Objectives. As indicated above, if the TCLP extraction were used, PAH the concentrations in these samples would be expected to be at least 3 orders of magnitude lower, which would like reduce the measured PAH concentrations below the applicable standard. Additionally, the PAH concentrations in the May 26th and 27th which exceeded standards were from samples collected at depths ranging from 3 to 12-feet below land surface. The TAGM 4046 clean-up criteria are based on direct contact with the PAH contaminated soil and it is unlikely for direct contact with these soils to occur.

4.0 *FATE AND TRANSPORT*

Chemicals released into the environment are susceptible to several degradation pathways. These include chemical (i.e., hydrolysis, oxidation, reduction, etc.), photolysis or photooxidation and biodegradation. One or more of these processes may transform compounds. The transformation processes are controlled by the physical properties of the compound, i.e., a compound's ability to absorb light or the presence of functional groups that can be oxidized by naturally occurring environmental oxidants such as oxygen.

Chemicals entering the environment are dispersed through various physical process including volatilization, dissolution in ground or surface water, bioadsorbtion and transport by fish and birds. The physical properties of the specific compound released into the environment will control the transport.

4.1 *POLYCYCLIC AROMATIC HYDROCARBONS*

Polycyclic aromatic hydrocarbons (PAHs) are formed during the incomplete combustion of coal, oil, gas, wood, garbage or other organic substances. PAHs can either be man-made or occur naturally. Although a few of the PAHs are used to make dyes, pesticides and plastics, and others are contained in asphalt most of these chemicals are not widely used except in research. PAHs are found throughout the environment in the air, water and soil. There are more than 100 different PAH compounds.

As pure chemicals, PAHs generally exist as colorless, white or pale yellow-green solids. They have a faint, pleasant odor. Most PAHs do not occur alone in the environment, i.e., they generally part of a complex mixture, for example, in crude oil, coal tar, creosote, and road and roofing tars.

The movement of PAHs in the environment depends on properties like their water solubility, vapor pressure and molecular weight. PAHs, in general, do not easily dissolve in water. In soil they are tightly bound to soil particles. PAHs can breakdown in the air by photolysis or through reactions with other chemicals. This process generally takes a period of days to weeks. Decomposition in soil and water takes longer, from weeks to months and is due mostly to the actions of microorganisms.

Transport and partitioning of PAHs in soil can be evaluated by consideration of individual PAH octanol-water partitioning coefficient (K_{ow}) and organic carbon partitioning coefficient (K_{oc}). K_{oc} indicates the chemicals potential to bind to organic carbon in soil and sediment, K_{ow} is used to estimate the potential for an organic chemical to move from water, a polar environment into a more nonpolar environment such as bound to soil. Some of the transport and partitioning characteristics, such as K_{oc} and K_{ow} are roughly correlated to the PAH molecular weight. These properties can be grouped as follows:

- Low molecular weight compounds (152-178 grams/mole [g/mol]) - acenaphthene, acenaphthylene, anthracene, fluorene and phenanthrene.
- Medium molecular weight compounds (202 g/mol) - fluoranthene and pyrene.
- High molecular weight compounds (228-278 g/mol) - benzo(a)anthracene, benzo(b)fluoranthene, benzo(k) fluoranthene, benzo(g,h,I)perylene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene and indeno(1,2,3,c,d)pyrene.

As described above, the K_{oc} indicates a chemical's potential to bind to organic carbon in sediment and soil. The low molecular weight PAHs have K_{oc} values in the range of 10^3 to 10^4, which indicates a moderate potential to be adsorbed. The medium molecular weight compounds K_{oc} values in the 10^4 range and high molecular weight compounds have K_{oc}

values in the range of 10^5 to 10^6, which indicate a strong tendency to adsorb to soil and sediment.

At the 500 Mamaroneck Avenue site, the high molecular weight compounds predominate suggesting that the PAHs present at the site will be strongly bound to the soil and will not be mobile. This is confirmed by the TCLP leaching data.

4.2 *POLYCHLORINATED BIPHENYLS*

Polychlorinated biphenyls (PCBs) are a class of nonpolar, chlorinated hydrocarbons with a biphenyl nucleus ($C_{12}H_{10}$) on which one to ten of the hydrogens have been replaced by chlorine. Commercial PCBs were manufactured and sold as mixtures containing multiple isomers with different degrees of chlorination. Most PCB congeners are colorless, odorless crystals; the commercial mixtures are clear viscous liquids (the more highly chlorinated mixtures are more viscous: for example Aroclor 1260 is a sticky resin). Although the physical and chemical properties vary widely across the class, PCBs have low water solubilities and low vapor pressures. PCBs are stable compounds and do not degrade easily.

Commercial PCB mixtures were used in a wide variety of applications, including dielectric fluids in capacitors and transformers, heat transfer fluids, hydraulic fluids, lubricating and cutting oils, and as additives in pesticides, paints, copying paper and carbonless copy (NRC) paper. By far, the preponderance of the PCBs were used in capacitors and transformers. The commercial utility was based largely on their chemical stability, including low flammability and desirable physical properties including electrical insulating properties. They are considered ubiquitous in the environment.

PCBs have low volatility and are highly lipophilic, i.e., PCBs prefer nonpolar environments, with the consequence that more than 99 percent of the environmental PCB mass found in soil. PCBs bind strongly to soil (Koc values likely in the 10^5 to 10^6) and may remain there for years or decades. PCBs will typically not travel deeply into the soil with rainwater. Specifically, the solubility of commercial mixtures of PCBs decreases in increasing chlorination, from a solubility of 420 μg/L for Aroclor 1016 to 12 μg/L for Arochlor 1260. The higher chlorinated species predominate at the 500 Mamaroneck Avenue site, indicating low potential for migration. This is confirmed by the TCLP leaching testing, which did not reveal PCBs in the extract.

5.0 *FINDINGS AND RECOMMENDATIONS*

The soil sampling carried out by ERM detected PAHs and PCBs above regulatory guidance criteria in only 6 soil samples out of the 46 collected at the 500 Mamaroneck Avenue site. Upon reanalysis of 4 of these samples, using the TCLP leaching procedure, the concentrations of PAHs and PCBs were below regulatory guidance, indicating that these compounds are not mobile. This observation is consistent with the transport phenomena associated with PAHs and PCBs. Impacts to groundwater from these compounds are therefore not likely.

The PAH and PCBs are associated with samples where there is a greater thicknesses of soil, specifically along the southern parking lot boundary and in front of the building. The PAHs and PCBs were generally detected in samples collect at depths greater than 3-feet below land surface. However, it must be pointed out that in general there is only a thin mantel of soil above the bedrock at the site. This is consistent with the observation that more than 340,000 cubic yards of soil and bedrock removed from the site during construction of the building complex.

Sixty percent of the 500 Mamaroneck property is undeveloped and has not been impacted by past or present activities. The building complex and parking lots cover approximately sixty four percent of the developed portion of the property, the remaining land is landscaped. Therefore the PAHs and PBCs potentially contained in soil are isolated both from a direct contact and leaching perspective. Additionally, as discussed above, because more than 340,000 cubic yards of soil and bedrock were removed during construction and disposed of off-site, the potential amount of PAHs and PCBs remaining on-site is extremely limited.

5.1 *RECOMMENDATIONS*

ERM recommends that no further investigative or remedial activities be conducted at the site. This recommendation is based on:

- Isolation of the PAHs and PCBs potentially present in site soil by the building complex, bituminous paving and landscaping. Direct contact with these contaminants is not likely and an exposure pathway is therefore not present.
- TCLP leach testing indicates that the PAHs and PCBs present on site are not mobile. This finding is consistent with the physical properties of these classes of compounds. More importantly, contamination of other media is not likely, groundwater is not used on the site and therefore, no exposure pathway through groundwater is possible.

Limited exceedances of recommended clean-up criteria. Only 4 borings contained soil exceeding criteria, therefore there is only a very limited area, which is potentially impacted.

6.0 *REFERENCES*

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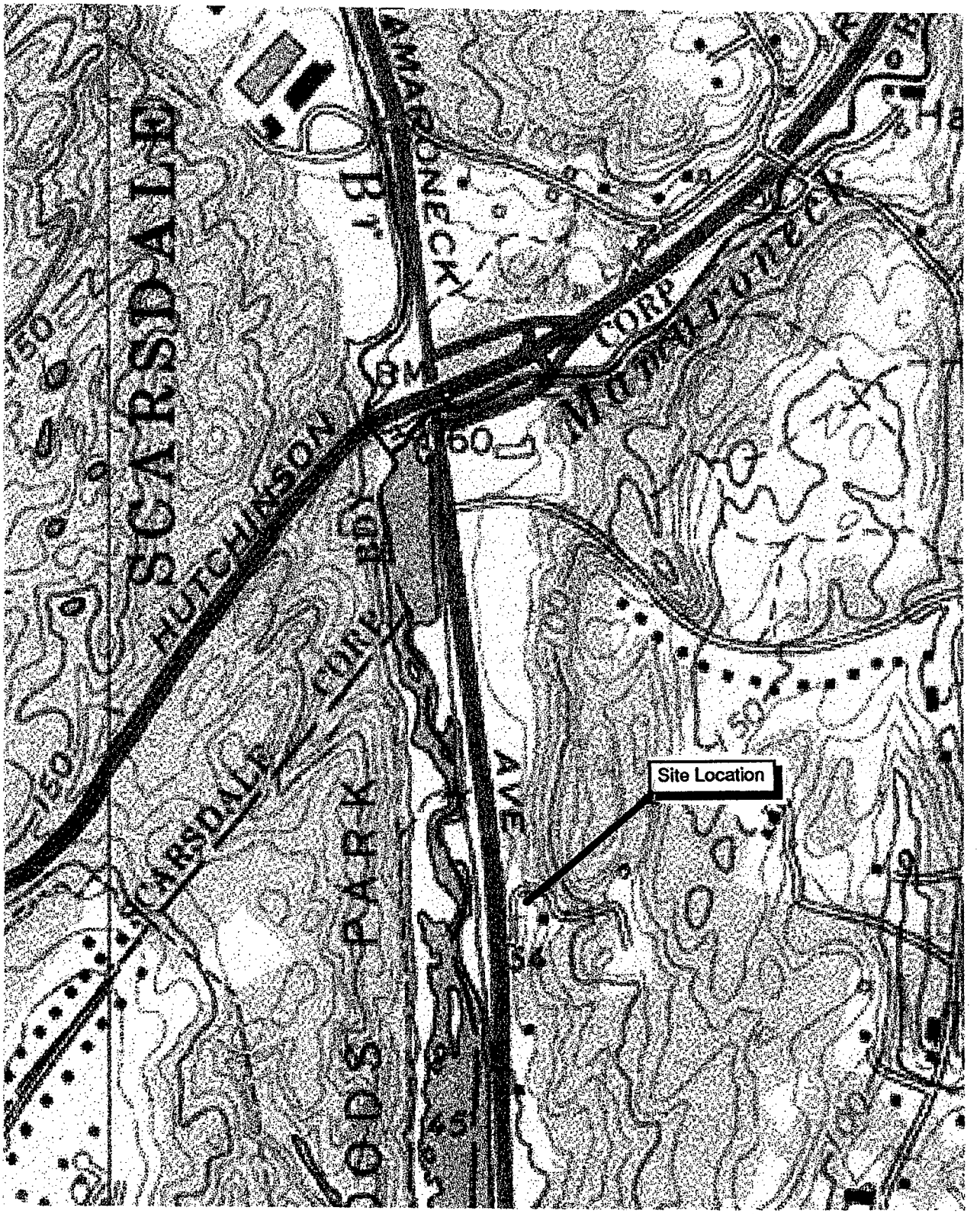


TITLE

SITE LOCATION MAP

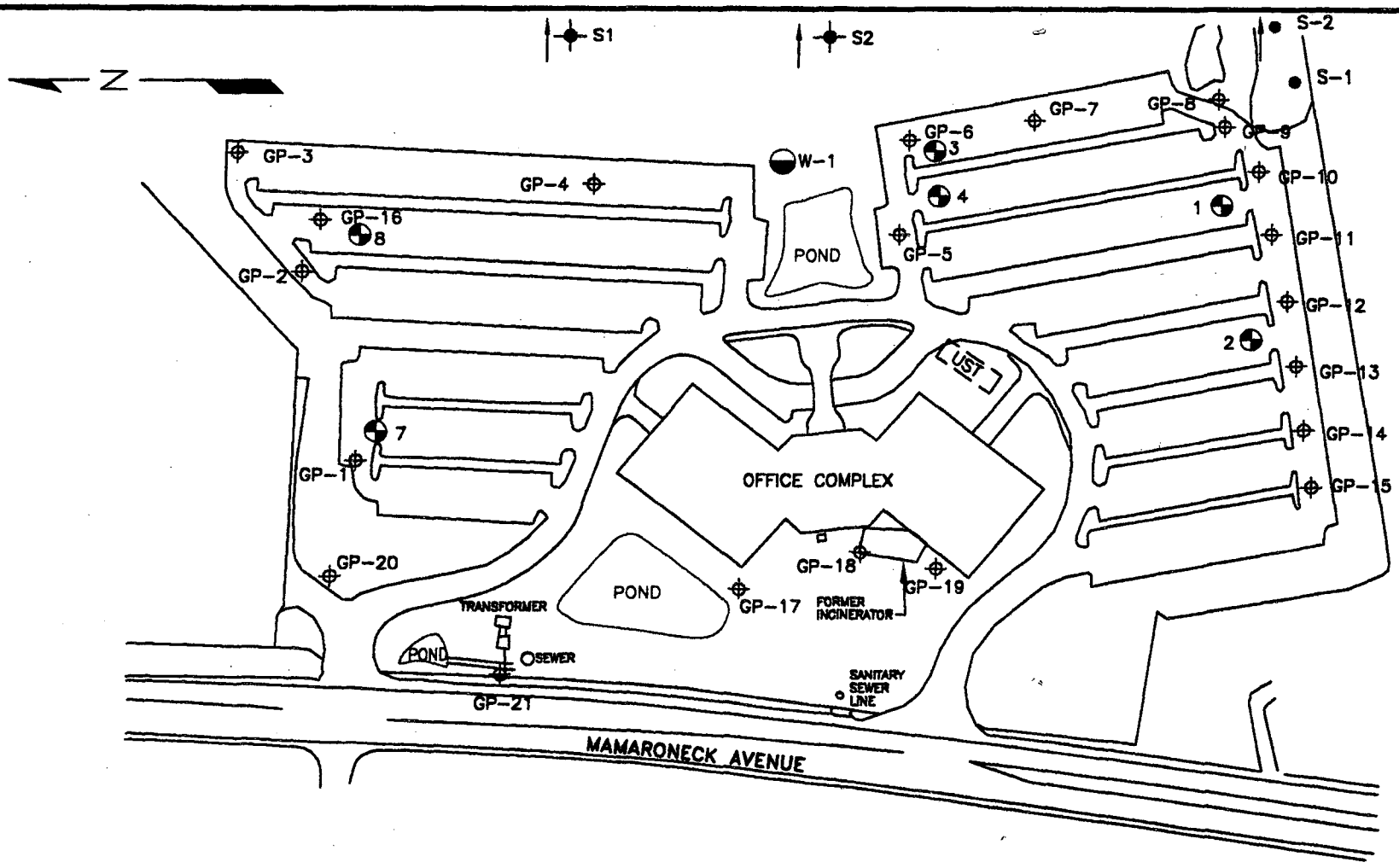
PREPARED FOR

500 MAMARONECK ASSOCIATES

ERM-Northeast
Environmental Resources Management

SCALE	FIGURE
NONE	1

DRAWN:	JOB NO.:	FILE NAME:	DATE
E.M.F.	1454.001		6/18/98



- ERM BORING LOCATIONS – 1998
- DAMES & MORE SAMPLING LOCATIONS – 1998
- U.S. HYDROGEOLOGIC, INC. SAMPLING LOCATIONS – 1989
- GROUNDWATER SUPPLY WELL
- GZA SAMPLING LOCATIONS – 1986

TITLE

SITE PLAN

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM–Northeast
Environmental Resources Management

SCALE	FIGURE
NONE	2

DRAWN:	JOB NO.:	FILE NAME:	DATE
E.M.F.	14540001	14540001	6/18/98

FIGURES

TABLES

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-1A	GP-1B	GP-2A	GP-3A	GP-4A	GP-5A	GP-5B	GP-6A	GP-7A	GP-8A	GP-8B	GP-8C	GP-9A	GP-9B	GP-10A	GP-10B
Depth (feet below land surface)		0 - 4	4 - 7.5	0.5 - 2.25	0 - 1.75	0 - 2.25	0 - 3.5	3.5 - 6.5	0 - 1	0.25 - 2.25	0 -3	3 - 6	6 - 8	0 - 3	3 - 5.5	0 - 3	3 - 6
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98
Parameter																	
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	3.8 U		38 U	38 U				38 U						38 U		
Barium	100,000	318		961	681				1760						1190		
Cadmium	1,000	2 U		2 U	2 U				2 U						2.5 B		
Chromium	5,000	5 U		5 U	5 U				5 U						5 U		
Lead	5,000	49.6 B		58 B	43 B				27.9 B						266		
Mercury	200	2 U		2 U	2 U				2 U						2 U		
Selenium	1,000	39 U		39 U	39 U				39 U						56.1 B		
Silver	5,000	2 U		2 U	2 U				2 U						2 U		
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)																
Aroclor-1016		47 U		37 U	35 U				35 U						38 U		
Aroclor-1221		96 U		74 U	71 U				71 U						76 U		
Aroclor-1232		47 U		37 U	35 U				35 U						38 U		
Aroclor-1242		47 U		37 U	35 U				35 U						38 U		
Aroclor-1248		47 U		37 U	35 U				35 U						22 J		
Arclor-1254		47 U		37 U	35 U				35 U						32 J		
Aroclor-1260		47 U		37 U	35 U				35 U						16 J		
Total PCBs	1, 000 (surface)														70		
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Acenaphthylene	41,000	140 U		110 U	420 U				110 U						450 U		
Anthracene	50,000***	140 U		110 U	420 U				45 J						450 U		
Benzo(a)anthracene	224 or MDL	140 U		110	420 U				110 J						450 U		
Benzo(b)fluoranthene	1,100	140 U		140	420 U				120						450 U		
Benzo(k)fluoranthene	1,100	140 U		110 U	420 U				47 J						450 U		
Benzo(g,h,i)perylene	50,000***	140 U		110 U	420 U				47 J						450 U		
Benzo(a)pyrene	61 or MDL	140 U		61 J	420 U				88 J						450 U		
Chrysene	400	140 U		150	420 U				120						450 U		
Dibenz(a,h)anthracene	14 or MDL	140 U		110 U	420 U				110 U						450 U		
Fluoranthene	50,000***	140 U		110 U	420 U				110 U						450 U		
Fluorene	50,000***	140 U		110 U	420 U				110 U						450 U		
Indeno(1,2,3-cd)pyrene	3,200	140 U		110 U	420 U				49 J						450 U		
Naphthalene	13,000	140 U		110 U	420 U				110 U						450 U		
Phenanthrene	50,000***	140 U		110 U	420 U				150						450 U		
Pyrene	50,000***	140 U		180	420 U				180						450 U		
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	16	142	408	287	142	32	28	407	106	85	41	113	24	23	79	69
PCBs	500 ug/Kg	ND	ND	5 J	1 J	62 J	ND	ND	105 J	ND	ND	1 J	ND	ND	ND	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-11A	GP-11A	GP-11B	GP-11C	GP-12A	GP-12A	GP-12B	GP-12B	GP-12B	GP-12C	GP-13A	GP-13A	GP-13C	GP-14A	GP-15A	GP-16A
Depth (feet below land surface)		0 - 3	0 - 3	3 - 6	6 - 10	0 - 3	0 - 3	3 - 6	3 - 6	3 - 6	6 - 7	0 - 3	0 - 3	6 - 7	0 - 3	0 - 2	0 - 3
Date Sampled		12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	12-May-98	26-May-98
Parameter			TCLP				TCLP		Dilution	TCLP			TCLP				
	Toxicity Characteristic																
RCRA Metals (ug/L)	Standards (ug/l)																
Arsenic	5,000	38 U		38 U		38 U		38 U				38 U					
Barium	100,000	2570		1610		856		900				1430					
Cadmium	1,000	18.5		8.6		4.6 B		4.2 B				20					
Chromium	5,000	5 U		5 U		5 U		5 U				5 U					
Lead	5,000	1220		704		178		224				541					
Mercury	200	2 U		2 U		2 U		2 U				2.2					
Selenium	1,000	39 U		58.5 B		39 U		39 U				39 U					
Silver	5,000	2 U		2 U		2 U		2 U				2 U					
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)																
Aroclor-1016		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1221		1600 U	2 U	78 U		84 U	2 U	74 U		2 U		67 U	2 U				
Aroclor-1232		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1242		800 U	1 U	38 U		41 U	1 U	37 U		1 U		33 U	1 U				
Aroclor-1248		800 U	1 U	57		19 J	1 U	48		1 U		48	1 U				
Arclor-1254		800 U	1 U	38 U		26 J	1 U	69		1 U		69	1 U				
Aroclor-1260		800 U	1 U	260		11 J	1 U	34 J		1 U		34 J	1 U				
Total PCBs	1, 000 (surface)	4200		317		56		151				151					
Total PCBs	10,000 (subsurface)																
PAHs (ug/Kg)																	
Acenaphthene	50,000***	120 U	10 U	120 U		120	10 U	700	710 D	4 J		1300	2 J				
Acenaphthylene	41,000	120 U	10 U	120 U		110 J	10 U	790	740 D	10 U		440 J	10 U				
Anthracene	50,000***	120 U	10 U	120 U		600	0.2 J	2200	2300 D	0.7 J		1200	0.2 J				
Benzo(a)anthracene	224 or MDL	54 J	10 U	46 J		920	10 U	4500	5000 D	10 U		1600	10 U				
Benzo(b)fluoranthene	1,100	72 J	10 U	83 J		1100	10 U	3800	5000 D	10 U		2600	10 U				
Benzo(k)fluoranthene	1,100	46 J	10 U	110 J		440	10 U	1800	1500 D	10 U		910	10 U				
Benzo(g,h,I)perylene	50,000***	120 U	10 U	120 U		260	10 U	650	930 D	10 U		340 J	10 U				
Benzo(a)pyrene	61 or MDL	60 J	10 U	43 J		830	10 U	2900	3800 D	10 U		1200	10 U				
Chrysene	400	160	10 U	82 J		1100	10 U	4500	6000 D	10 U		2300	10 U				
Dibenz(a,h)anthracene	14 or MDL	120 U	10 U	120 U		120 U	10 U	250	150 J	10 U		440 U	10 U				
Fluoranthene	50,000***	120 U	10 U	98 J		1800	10 U	6500 E	7800 D	0.8 J		440 U	0.6 J				
Fluorene	50,000***	120 U	10 U	120 U		210	10 U	1400	1500 D	2 J		730	0.7 J				
Indeno(1,2,3-cd)pyrene	3,200	120 U	10 U	120 U		290	10 U	860	1200 D	10 U		400 J	10 U				
Naphthalene	13,000	120 U	10 U	120 U		60 J	10 U	1000	1200 D	10 U		440 U	10 U				
Phenanthrene	50,000***	93 J	10 U	120 U		1300	0.9 J	4700	5500 D	4 J		2000	0.8 J				
Pyrene	50,000***	92 J	10 U	81 J		1500	10 U	6200 E	6700 D	0.7 J		440 U	0.4 J				
2-Methylnaphthalene	36,400																
Immuno Assay (UG/Kg)	MDL																
PAHs	4 ug/Kg	55		122	132	370		332			170	332		156	57	89	140
PCBs	500 ug/Kg	323 J		182 J	82 J	105 J		45 J			82 J	62 J		1 J	11 J	ND	ND

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24 January 1994
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

Table 1. Soil Sampling Results - 500 Mamaroneck Avenue, Harrison, New York - May, 1998

Boring		GP-17A/B	GP-17B/C	GP-17D/E	GP-18A/B	GP-18C/D	GP-18D/E	GP-19A/B	GP-19B/C	GP-19D/E/F	GP-20A	GP-20B	GP-21A	GP-21B	GP-21C
Depth (feet below land surface)		0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 10	0 - 3	3 - 6	6 - 12	0 - 3	3 - 6	0 - 3	3 - 6	6 - 10
Date Sampled		27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	27-May-98	26-May-98	26-May-98	26-May-98	26-May-98	26-May-98
Parameter															
	Toxicity Characteristic														
RCRA Metals (ug/L)	Standards (ug/l)														
Arsenic	5,000								300 U	300 U	300 U		300 U		
Barium	100,000								1050	1070	1320		1820		
Cadmium	1,000								5.8	5 U	6.1		55.6		
Chromium	5,000								11	15.7	10 U		10 U		
Lead	5,000								311	104	653		588		
Mercury	200								2 U	2 U	2 U		2 U		
Selenium	1,000								500 U	500 U	500 U		500 U		
Silver	5,000								10 U	10 U	10 U		10 U		
PBCs (ug/Kg)	Recommended Soil Cleanup Objective (ug/kg)														
Aroclor-1016									33 U	33 U	33 U		33 U		
Aroclor-1221									67 U	67 U	67 U		67 U		
Aroclor-1232									33 U	33 U	33 U		33 U		
Aroclor-1242									33 U	33 U	33 U		33 U		
Aroclor-1248									22 J	24 J	33 U		21 J		
Arclor-1254									42	74	33 U		62		
Aroclor-1260									20 J	50	11 J		36 J		
Total PCBs	1, 000 (surface)								84	148	11		119		
Total PCBs	10,000 (subsurface)														
PAHs (ug/Kg)															
Acenaphthene	50,000***								100 J	5500 J	49 J		38 J		
Acenaphthylene	41,000								81 J	330 U	24 J		330 U		
Anthracene	50,000***								150 J	12000	220 J		89 J		
Benzo(a)anthracene	224 or MDL								560	13000	920		290 J		
Benzo(b)fluoranthene	1,100								840	5700 J	740		210 J		
Benzo(k)fluoranthene	1,100								600	5500 J	700		230 J		
Benzo(g,h,i)perylene	50,000***								280 J	7000 J	280 J		230 J		
Benzo(a)pyrene	61 or MDL								1000	9700	850		260 J		
Chrysene	400								680	13000	1100		300 J		
Dibenz(a,h)anthracene	14 or MDL								300 J	5400 J	300 J		260 J		
Fluoranthene	50,000***								1000	22000	1500		450		
Fluorene	50,000***								78 J	7000 J	66 J		37 J		
Indeno(1,2,3-cd)pyrene	3,200								400 J	7400 J	380 J		310 J		
Naphthalene	13,000								32 J	4400 J	330 U		330 U		
Phenanthrene	50,000***								350 J	42000	860		320 J		
Pyrene	50,000***								1300	30000	1300		370 J		
2-Methylnaphthalene	36,400								330 U	3900 J	330 U		330 U		
Immuno Assay (UG/Kg)	MDL														
PAHs	4 ug/Kg	222	42	26	36	16	8	19	888	494	618	444	244	7	99
PCBs	500 ug/Kg	ND	3 J	12 J	ND	90 J	42 J	121 J	ND	121 J	ND	247 J	63 J	42 J	90 J

Notes:
Toxicity Characteristic Standards - taken from 40 CFR 261.24 Table 1 Maximum Concentration of Contaminants for the Toxicity Characteristic, revised 31 August 1993
Recommended Soil Cleanup Objective - from NYSDEC TAGM 4046, Division of Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, revised 24
***As per TAGM 4046 total semi-volatiles < 500,000 ug/kg; individual semi-volatiles < 50,000 ug/kg

U - Analyzed for, but not detected
J - Compound determined to be present at an estimated value less than the specified minimum dection limit but greater than zero
B- Analyte detected in blanks as well as sample

DAMES & MOORE – DATA 1998

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Soil Sample ID / Depth	SB-1A 6'-8'	SB-2 0'-2'	SB-3 2'-4'	SB-4 0'-2'	SB-7 2'-4'	SB-8 4'-6'	BS-1 1'	Regulatory Guideline
PARAMETER DETECTED								
VOCs (ug/Kg)								
Acetone	190	NA	43	NA	NA	60	NA	200
2-Butanone	40	NA	19	NA	NA	18	NA	300
Ethylbenzene	6	NA	ND	NA	NA	ND	NA	5,500
Styrene	2J	NA	ND	NA	NA	ND	NA	16,000,000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Naphthalene	28J	NA	ND	NA	ND	160J	NA	13,000
2-Methylnaphthalene	[illegible]	NA	ND	NA	ND	[illegible]	NA	[illegible]
Acenaphthylene	ND	NA	ND	NA	ND	48J	NA	41,000
Acenaphthene	ND	NA	ND	NA	ND	68J	NA	50,000
Phenanthrene	44J	NA	26J	NA	ND	ND	NA	50,000
Anthracene	ND	NA	6J	NA	ND	ND	NA	50,000
Di-n-butylphthalate	ND	NA	22JB	NA	ND	ND	NA	NE
Fluoranthene	49J	NA	40J	NA	29J	65J	NA	50,000
Pyrene	99J	NA	37J	NA	25J	1,200	NA	50,000
Benzo (a) anthracene	41J	NA	ND	NA	ND	600	NA	224
Chrysene	86J	NA	ND	NA	ND	670	NA	400
bis(2-Ethylhexyl) phthalate	1,500	NA	120J	NA	ND	15,000	NA	880*
Benzo (b) fluoranthene	39J	NA	ND	NA	ND	300J	NA	880*
Benzo (k) fluoranthene	34J	NA	ND	NA	ND	230J	NA	1,100
Benzo (a) pyrene	ND	NA	ND	NA	ND	320J	NA	61
Indeno (1,2,3-cd) pyrene	ND	NA	ND	NA	ND	84J	NA	880*
Benzo (g,h,i) perylene	ND	NA	ND	NA	ND	55J	NA	56,000
PCBs (ug/Kg)								
Aroclor -1242	ND	NA	ND	ND	ND	13,000	NA	NE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ND	[illegible]	[illegible]
Aroclor -1260	ND	NA	91	ND	ND	ND	NA	NE
Total PCBs	49J	NA	180	ND	ND	13,000	NA	1,000/ 10,000**
8 RCRA Metals (mg/Kg)								
Arsenic	23.1	4.3	14.1	5.6	7	8.4	8.3	7.5 or background
Barium	1000	349	312	410	245	198	133	300 or background
Cadmium	2.6	0.22U	0.24U	0.22U	0.23U	0.22U	0.35U	1.0 or background
Chromium	163	83.4	60.9	97.5	97.7	40.7	46.9	10 or background
Lead	1770	208	593	34	24.5	372	97.8	background
Mercury	1.1*N	0.10U*N	0.12U*N	0.078U*N	0.092U*N	0.19*N	0.33*N	23*
Selenium	5.6	2	5.6	1.6	2.3	3.9	3.9	2.0 or background
Silver	6.2	0.22U	6.2	0.22U	0.23U	1.2B	0.35U	390*

Notes:

Soil samples collected on March 5, 1998

ug/Kg: microgram per kilogram or part per billion.

mg/Kg: milligram per kilogram or parts per million.

B: Indicates compound was found in the associated blank.

J: Value is less than the laboratory reporting limit but greater than zero.

NA: Not Analyzed

ND: Not Detected above lab quantitation limits.

NE: None Exists

[ ] Exceeds Regulatory Guidance Limit

Regulatory Guideline: "New York State Department of Environmental Conservation (NYSDEC) Hazardous Waste Remediation Division Technical and Adminstative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-92-4046", November 16, 1992.

* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III. *Risk-Based Concentration (RBC) Table*. April 19, 1996. [Category: "soil ingestion:residential" (most stringent)]

** PCB Cleanup Guideline 1,000 ug/kg in surface soils, 10,000 ug/kg in subsurface soils

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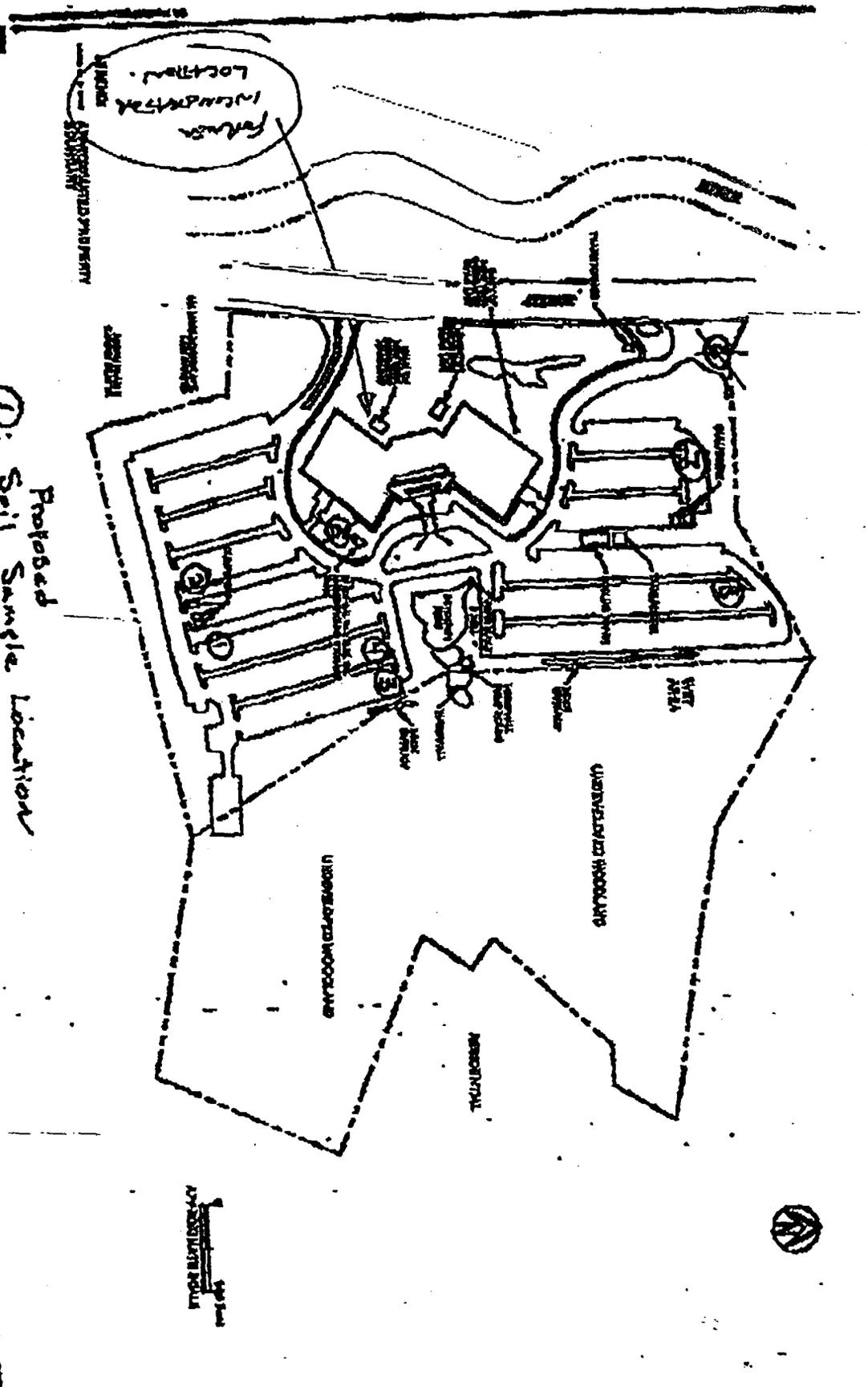
Groundwater Sample ID	PW-1	SB-3-GW	Regulatory Guideline
PARAMETER DETECTED			
VOCs (ug/L)	ND	ND	Variable
SVOCs (ug/L)			
Diethylphthalate	ND	0.7J	50
Di-n-butylphthalate	0.6JB	ND	NE
bis(2-Ethylhexyl) phthalate	0.8J	ND	4.8*
8 RCRA Metals (mg/L)			
Arsenic	2.0U	2.0U	25
Barium	27B	68B	1,000
Cadmium	1.3B	1.5B	10
Chromium	1.0U	1.3B	50
Lead	1.1B	1.8B	25
Mercury	0.2U	0.3	2
Selenium	2.0U	2.0U	10
Silver	1.0U	1.0U	50

Notes:
Groundwater samples collected on March 5, 1998
ug/L: microgram per liter or part per billion.
mg/L: milligram per liter or parts per million.
NA: Not Analyzed
ND: Not Detected above laboratory quantitation limits.
NE: None Exists
J: Value is less than the laboratory reporting limit but greater than zero.
B: Indicates compound was found in the associated blank.
Samples collected from PW-1 collected in pre-preserved containers for total 8 RCRA Metals Analysis
Samples collected from SB-3-GW filtered prior to preservation for dissolved metals analysis
Regulatory Guideline: "Water Quality Regulations, Surface Water and Groundwater Classifications and Standards 6NYCRR, Title 6, Chapter X, Parts 700-705", September 1991, amended October 7, 1993.
* Federal Guidance - listed if more stringent than state guidance value or if no state guidance value published
Source: Smith, Roy L., Ph.D., Office of RCRA, Technical & Program Support Branch, US EPA Region III. *Risk-Based Concentration (RBC) Table*. April 19, 1996. [Category: "tap water" (most stringent)]


Proposed
Soil Sample Location
Borings 5 & 6 not made.

AKRF, INC.

April 1997

AKRF, Inc.

ENVIRONMENTAL CONSULTANTS
149 Water Street • Norwalk, CT 06854

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVENUE
HARRISON, NEW YORK
PROJECT NUMBER: 5235

Prepared for:
500 Mamaroneck Avenue Associates
500 Mamaroneck Avenue
Harrison, New York
10528-1600

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April 1997

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FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Plan

APPENDICES

Appendix A - Photographic Documentation

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York, as shown on Figure 1 - Site Location Map. The study site is defined by the Town of Harrison as Block 482, Lot 8 and is shown on Figure 2 - Site Plan. The approximately 34.5 acre study site is currently occupied by one five-story commercial office building with a sub-basement. The building was originally constructed in 1983, with tenant occupancy beginning around 1986. The remaining portions of the study site include bituminous paved parking areas and landscaped shrubbery and lawns. Properties abutting the site include: 550 Mamaroneck Avenue, an office building, to the north; residential buildings to the east; 450 Mamaroneck Avenue, an office building, to the south; law offices and the Acorn Farm & Garden Center to the east along the southern parking area; and the Mamaroneck River to the east across Mamaroneck Avenue.

The scope of services for this assessment included the following:

- A review of published geological and groundwater information to determine the possibility of contamination from off-site sources.

- A review of historical Sanborn Fire Insurance Maps for the study site and adjacent properties.

- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the US EPA Civil Enforcement Docket.

- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area: hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); and Major Oil Storage Facilities (MOSF).

- A review of available local Building Department, Engineering Department, Health Department, Fire Department, and Tax Assessor's records was conducted to obtain any information pertinent to the assessment of the environmental condition of the study site. Specifically, records regarding past and present on-site fuel oil tanks and historical uses were requested and reviewed.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on February 12, 1997 by Mr. Timothy J. Groninger of AKRF, accompanied by Mr. John Stilgebauer, building superintendent. The inspection was conducted at 8:00 a.m. At the time of the inspection, the weather was fair (35° F) and overcast. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The study site contained of a four-story office building and associated parking. The site consisted of approximately 34.5 acres, including approximately 17 acres of undeveloped woodland located along the eastern side parcel. The building was originally constructed in 1983, with tenant occupancy beginning in 1986. Bituminous paved parking areas were located north, east, and south of the building. One artificial pond with an artificial waterfall was located east of the building, and one smaller pond was located west of the building. The waterfall was supplied water via an on-site well located along the northern edge of the pond. The pump for the waterfall was located within a pump house. A 5-gallon bucket of antifreeze was observed in the pump house, which Mr. Stilgebauer used as coolant for the pump. According to Mr. Stilgebauer, water in the pond is replaced twice a year when the pond is cleaned. Study site stormwater, including storm drains located throughout the parking lot, and the outflow from the pond, discharge to county storm sewers located along Mamaroneck Avenue. A fill cap and access vault cover for an underground fuel oil storage tank were noted between the southeastern wall and the sidewalk. Mr. Stilgebauer stated that the tank had a 20,000 gallon capacity.

The western side of the study site was landscaped with lawn areas and a small pond surrounded by taller grasses and other vegetation. Several air conditioning units were noted along the western edge of the building. No unusual staining, odors, or storage of hazardous materials were observed over the study site exterior.

The building consisted of five stories and a sub-basement. The building was constructed of a lift-slab on steel frame with a glass facade and contained offices for the following tenants: Advantis, American Express Financial Services, Bank of New York, Canada Life Insurance Company of New York, Castle Oil Corporation, Food City Markets, Frenchrail, Tom Julius, Metric Tours, Rail Europe Group, Rich Worldwide, and Schulman Realty. Tenants occupied each floor, and maintenance/facilities and a cafeteria occupied the second floor.

The sub-basement utilities included: five fuel oil boilers, two 300-ton Trane air conditioning units, four Graham blower control units, four 40-hp air supply fans, four 20-hp air return fans, and the pneumatic control system compressor. The compressor blow-out piping was connected to a floor drain. According to Mr. Stilgebauer, the floor drain was connected to the County sanitary sewer. Sub-basement chemical storage included six 55-gallon drums labeled "EGI Coolant," used as

antifreeze for the boiler cooling water, and several bags of asphalt mix. The drums were empty, and Mr. Stilgebauer informed AKRF that he was in the process of switching coolant brands.

The fire control system for the building was located in the central portion of the basement, which was referred to as the first floor by the building owners. The fire control system consisted of ceiling-mounted water sprinkler units. Chemical storage in the fire control room included paints, thinners, and motor oil, which were observed to be neatly stored in a combustion cabinet.

The elevator room, located east of the elevator shaft on the basement ("first") floor included five hydraulic units that appeared to be in good condition. No staining or other evidence of leakage was noted. Mr. Stilgebauer informed AKRF that maintenance for these components was contracted off-site; no on-site oil storage was necessary. One partially empty five-gallon pail of #27 hydraulic oil was observed in the elevator room. The electric and telephone rooms, located on the basement ("first") floor, were observed to be clean and free of debris. The cafeteria, located in the northern portion of the basement ("first") floor, included a full kitchen, several refrigeration units, stoves, and a dishwashing machine. Dishwashing wastewater was discharged to a floor drain, which was reported to be connected to County sanitary sewer.

2.2 Topography and Hydrogeology

The site elevation ranges from approximately 130 feet at the eastern property line to 60 feet along the western side of the study site, based on the National Geodetic Vertical Datum (NGVD) of 1929, according to the U.S.G.S. 1967 (photoinspected 1975) Topographic Map of the Mamaroneck, New York Quadrangle. Based on topographic mapping and features, groundwater beneath the study site is expected to flow west towards the Mamaroneck River, located approximately 200 feet west of the study site.

According to the September 1994 General Geology Map of Putnam and Westchester Counties, New York, the bedrock beneath the study site consists of Harrison Gneiss. Bedrock outcrops were observed along the eastern side of the property, as shown on Figure 2.

2.3 Storage Tanks (USTs and ASTs)

2.3.1 Underground Storage Tanks (USTs)

One registered underground storage tank was located on-site, approximately 50 feet southeast of the southeastern corner of the building. The 20,000 gallon tank, containing No. 2 fuel oil, is used to heat the building.

Off-site USTs are discussed in Section 4.2.2.

2.3.2 Aboveground Storage Tanks (ASTs)

No aboveground storage tanks were noted during the site inspection.

2.4 Polychlorinated Biphenyls (PCBs)

Two concrete pad-mounted electric transformers were identified on-site. One of the transformers, located on the northwestern corner of the study site, was owned by Consolidated Edison. The second transformer, located north of the building between rows of parking, was owned by 500 Mamaroneck Avenue Associates. Both transformers were observed to be in good condition, with no visible signs of staining.

2.5 Utilities

Consolidated Edison (ConEd) supplies electricity and Westchester County provides potable water and sanitary sewer service to the study site. According to representatives from the Harrison Building Department, water and sewer service were connected at the time of the building's construction.

2.6 Waste Management and Chemical Handling

Five dumpsters were located on the study site; three were located in the southern parking area and two were located in the northern parking area. No hazardous materials or staining were noted around the dumpsters. The dumpsters were reported to be emptied daily by A-1 Compaction. Waste paper for recycling was observed in a room on the eastern side of the second floor. Floor drains were connected to the sanitary sewer system, and site drainage discharged to Westchester County storm sewers, located along Mamaroneck Avenue.

Maintenance- related chemicals, such as cleaning agents, paints, oils, antifreeze, and deicing agents were stored in sufficient quantity for short term use. Observed chemicals were neatly stored in clearly marked containers. No long term storage of these chemicals was observed.

3.0 ADJACENT LAND USE

According to the Town of Harrison Building Department, the subject property is located in an area zoned SB-1, Special Business, which allows for commercial office space. The study site is abutted by: 550 Mamaroneck Avenue to the north (multi-story commercial office building); residential areas to the east; 450 Mamaroneck Avenue (multi-story commercial office building housing Citicorp North America), the Law Offices of Clune, Hayes, Frey, Bentzen, & Cline, P.C. (single-story converted office space) and Acorn Farm & Garden Center (retail) to the west; and the Mamaroneck River to the west across Mamaroneck Avenue.

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Sanborn Mapping

Maps of the study site and vicinity were requested from the Sanborn Mapping and Geographical Information Service. Sanborn maps dated 1996, 1995, 1994, 1993, 1992, 1990, 1950, and 1934 were available and were reviewed. Details from the maps are as follows:

1996 The subject property and surrounding areas appeared similar to present conditions. The study site was identified on the map as a glass office building constructed in 1987. Two office buildings were mapped north of the study site, beyond which was the Kentucky Riding Stables. Harrison High School and a utility substation were located northeast of the study site, beyond a row of houses on Union Avenue. Additional residential areas were identified to the east and southeast. No coverage was available to the south and west.

1995 - 1990 The study site and surrounding areas appeared similar to the 1996 map.

1950 The study site was undeveloped. Property boundaries in this vicinity appeared different to the property lines noted in later maps. North-adjacent office buildings shown in later maps were not present. The Kentucky Riding Stables was labeled the Kentucky Riding Academy. The utility substation and Harrison High School were not present. None of the residences shown in later maps along Union Avenue were present. Residential areas located to the east and southeast of the study site were noted to be less densely developed.

1934 The study site and surrounding areas appeared similar to the 1950 map. Residential areas located southeast of the study site were noted to be less densely developed than in the 1950 map.

4.2 Regulatory Review

AKRF reviewed federal, state, and local records to identify the use, generation, storage, treatment, and/or disposal of hazardous materials and chemicals, or releases of such materials which may impact the subject site. AKRF personnel reviewed databases maintained by the US EPA and New York State Department of Environmental Conservation (NYS DEC) for the study site and adjacent areas.

4.2.1 Federal

The federal records reviewed included the National Priority List (NPL) Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); and the Civil Enforcement Docket.

National Priority List (NPL)

The NPL is the US EPA's database of hazardous waste sites identified for probable remedial action under the Superfund Program.

No NPL sites were identified within a one-mile radius of the study site.

Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the EPA has investigated, or plans to investigate, for a release or threatened release of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA).

No CERCLIS sites were identified within a one-half mile radius of the site

Emergency Response Notification System (ERNS)

This federal database is compiled from the Emergency Response Notification System records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property is not currently listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the US EPA and/or NYS DEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. Data includes the maximum amount stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on transfer of chemicals off-site.

No TRIS sites were identified within a one-quarter mile radius of the project site.

incinerator from 1954 to 1970 and a municipal refuse transfer station from 1970 to 1983. Construction for the foundation of the present structure began in October 1984, and construction of the main four-story office building began in April 1985.

Engineering Department

According to Ms. Carol McGowan of the Village-Town of Harrison Engineering Department, 500 Mamaroneck Avenue is connected to municipal sanitary sewer and potable water services. The study site is within the Mamaroneck Valley Water District of the Westchester Joint Water Works.

Health Department

A Freedom of Information Letter was sent to the Westchester County Department of Health. At the time of release of this report, no information had been provided by this agency.

Fire Marshal

According to an employee of the Village-Town of Harrison Fire Department, the Fire Marshal of the Village-Town of Harrison transferred all records to the Village-Town of Harrison Building Department. No information regarding underground storage tanks, oil and/or chemical spills, storage of hazardous materials or fires was on file for the study site property.

5.0 CONCLUSIONS

AKRF, Inc. (AKRF) was retained by 500 Mamaroneck Avenue Associates to perform a Phase I Environmental Site Assessment of the property located at 500 Mamaroneck Avenue in Harrison, New York. The approximately 34.5 acre site consisted of a five-story office building with an approximately 52,000 square foot footprint. The remaining portions of the study site included bituminous paved tenant parking areas and landscaped shrubbery, lawns, and two ponds. The eastern portion of the study site contained undeveloped wooded land. Construction of the structure began in 1984, and tenants began occupancy around 1987. Prior to its current usage, the northern portion of the study site was used as a domestic refuse transfer station (from 1970 to the early 1980's) and a domestic refuse incinerator (from 1954 to 1969).

No on-site leaks, discharges, or evidence of spillage of hazardous materials were observed at the study site. No current uses indicated potential environmental concerns. No off-site sources of contamination were identified. The following conditions were noted:

- Historical research indicates that prior study site uses include a solid waste transfer station,

and a domestic refuse incinerator.

- One water supply well was identified on-site. The well was reported to be used to fill the eastern pond twice a year subsequent to draining and cleaning the pond, and is not used as a potable water source. Water pumped out of the pond is discharged to the Westchester County storm sewers.

- The study site utilizes a 20,000-gallon fuel oil underground storage tank. The fiberglass reinforced tank, installed in 1982, is permitted until January 18, 1999, and appears to meet current New York State Department of Environmental Conservation (NYSDEC) and Environmental Protection Agency (EPA) tank regulations.

Past usage of the study site as a transfer station and incinerator may have affected soil and groundwater beneath the study site.

6.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property. The work was performed by AKRF personnel in accordance with our February 5, 1997 proposal and is subject to AKRF's General Terms and Conditions. The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E 1527-94, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. It is intended for use as a guide in determining the presence or absence of hazardous materials on the subject property at the time of the inspection. Environmental characteristics at this site and surrounding sites will change.

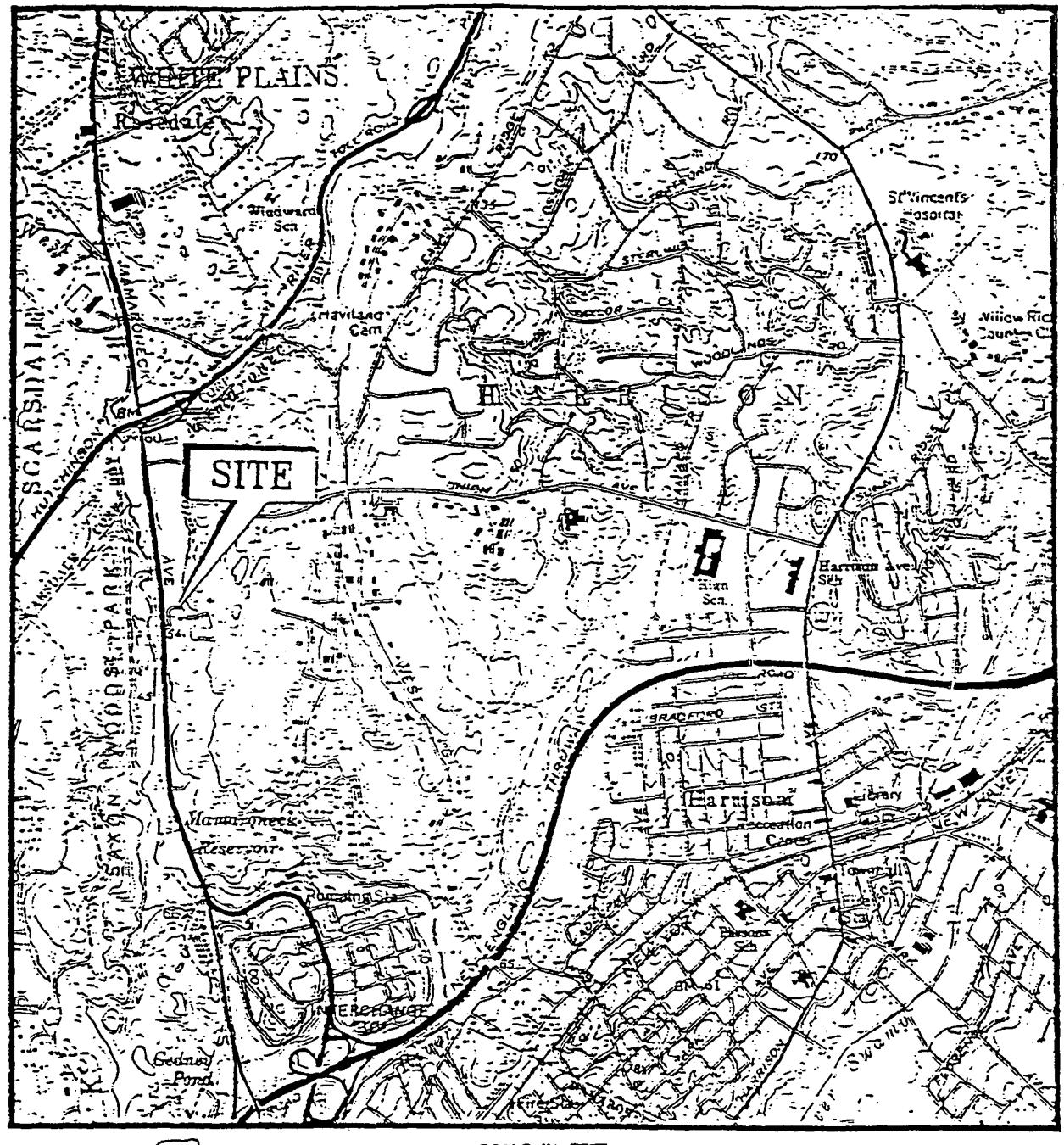
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances.

7.0 REFERENCES

1. U.S. Geological Survey; Mamaroneck Quadrangle - N.Y. - Conn.; 7.5 Minute Series (Topographic); Scale 1:24,000.

2. Environmental Risk Information & Imaging Services; *500 Mamaroneck Avenue, Harrison, New York; ERIIS Custom Detail Radius Report*; February 12, 1997.

3. United Stated Department of Agriculture, Soil Conservation Service; *Soil Survey of Putnam and Westchester Counties, New York*; September 1994.



QUADRANGLE LOCATION

SCALE IN FEET

0' 500' 1000' 1500' 2000' 3000' 4000'

SCALE: 1"=2000'

SOURCE:

USGS TOPOGRAPHIC MAP – MAMARONECK, N.Y.–CONN. QUADRANGLE – DATED 1967 PHOTOREVISED 1975.

N W E S

500 MAMARONECK AVENUE MAMARONECK, NEW YORK	AKRF, Inc. Environmental Consultants 149 Water Street Norwalk, Connecticut 06854	DATE 2/12/97 PROJECT No. 5235
SITE LOCATION MAP		FIGURE No. 1

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U.S. HYGROGEOLOGIC, INC.

October 1989

U.S. HYDROGEOLOGIC, INC.

ENVIRONMENTAL

AUDIT

October 26, 1989

Prepared By:

U.S. Hydrogeologic, Inc.
328 Main Mall
Poughkeepsie, NY 12601

Prepared For:

Henry M. Celestino
Schulman Management
925 Westchester Ave.
White Plains, NY 10604

Project Manager:

John A. Conrad
Senior Hydrogeologist

This preliminary investigation assesses the likelihood that contamination from hazardous or regulated materials stored, used or disposed of is present on the property described herein. This report has been prepared in conformance with reasonable investigatory practices, including the review of public records, inspection of site vegetative and topographic features and such other analytic procedures as we considered necessary in the circumstance.

October 26, 1989

Job Number: SH90200

Site Identification:	**Town of Harrison, Westchester County** **Tax Block 428, Lot 8, (formerly Lots 8, 26, and 26.1)**
Property Size:	**34.65 acres**

1.0 Introduction

This Environmental Audit is intended to identify potential environmental risks associated with the storage, use, transport, or disposal of hazardous or regulated materials on a 34.65 acre parcel in the Town of Harrison, Westchester County, New York, Tax Block 428 Lot 8, (formerly lots 8, 26, and 26.1).

The specific components of this investigation are as follows:

1. Investigation of the site's history, including a review from readily available sources that document changes or activities of concern on the subject property and adjacent properties. For this analysis, aerial photographs taken during the years 1947 - 1986 were reviewed in addition to road maps, USGS topographic maps, Town of Harrison tax maps, assessment records, and interviews with current facility owner/operators. A complete list of sources and personal communications are provided in Section 5.0 of this report.

2. Review of records maintained by state and local environmental agencies, including NYSDEC petroleum and chemical bulk storage records, the USEPA National Priority List and the NYSDEC list of inactive hazardous waste sites, Westchester County Health Department records.

3. Site inspection of the property, with particular concern for topographic or vegetative indications of surface or subsurface contamination.

4. Laboratory analysis of soil and groundwater samples.

This written analysis is an assessment of the 34.65 acre site in the Town of Harrison, New York, and is not valid for any other property or location. It is a representation of the property analyzed as of the dates of record reviews and the site inspection. This report cannot be held accountable for activities or events resulting in contamination after the date of site inspection or historic research.

This Audit was performed in accordance with generally accepted practices. The findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on our professional judgement concerning the significance of the limited data gathered during the course of this study. Specifically, this assessment does not and cannot represent that the site contains no contamination from hazardous materials.

This Audit is based in part on certain information provided by state and local officials and other parties referenced herein, and on information contained in the files of state and/or local agencies available at the time of this Audit. No attempt was made to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

It is intended for the sole use of Schulman Management and must be used in its entirety.

2.0 Site Location and Description

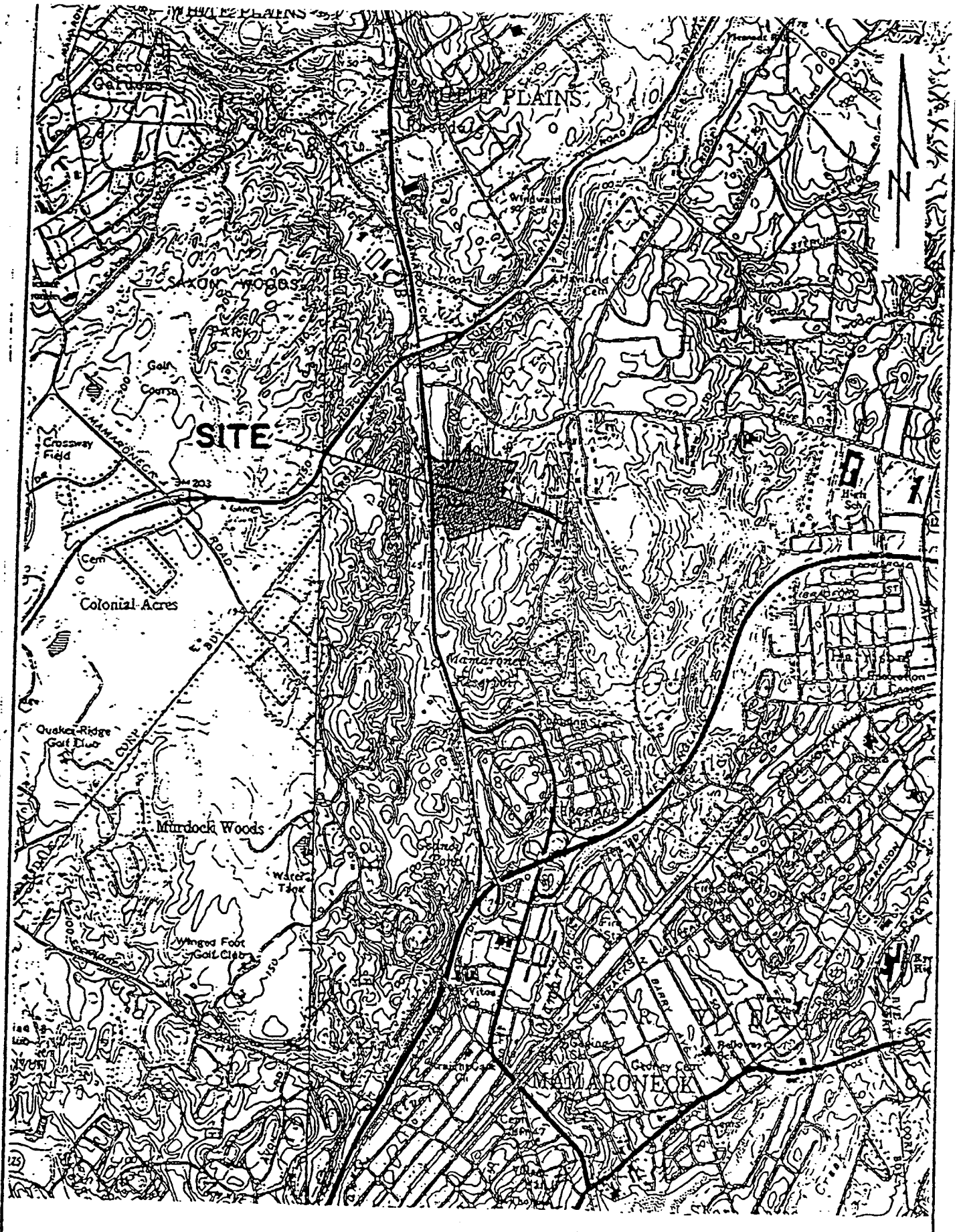
The subject property consists of 34.65 acres in the Town of Harrison, Westchester County, New York. The property is located on the east side of Mamaroneck Avenue, approximately 2000 feet south of Union Avenue (Location Map). The entire site is comprised of one tax parcel, Lot 8 (formerly Lots 8, 26, and 26.1), and has approximately 1000 linear feet of frontage along Mamaroneck Avenue. The property also has 25 feet of frontage on Winfield Avenue.

Approximately 14 acres of the site have been improved in conjunction with the construction of one five-story office complex, totalling 275,000 square feet. Each story contains 55,000 square feet in gross floor area. The parking area covers approximately 9 acres. Water is provided by the municipal system. The site has no drinking water wells. One shallow well supplies water to a decorative waterfall on the property. Septic waste is handled via the municipal sewer system. Site features are shown on the Site Features Map.

Site topography has changed substantially as a result of on-site construction activities. Approximately 200,000 cubic yards of soil and rock were removed during site development. This material was removed only from that portion of the site that was being developed (the portion closest to Mamaroneck Avenue) and it was disposed of off-site.

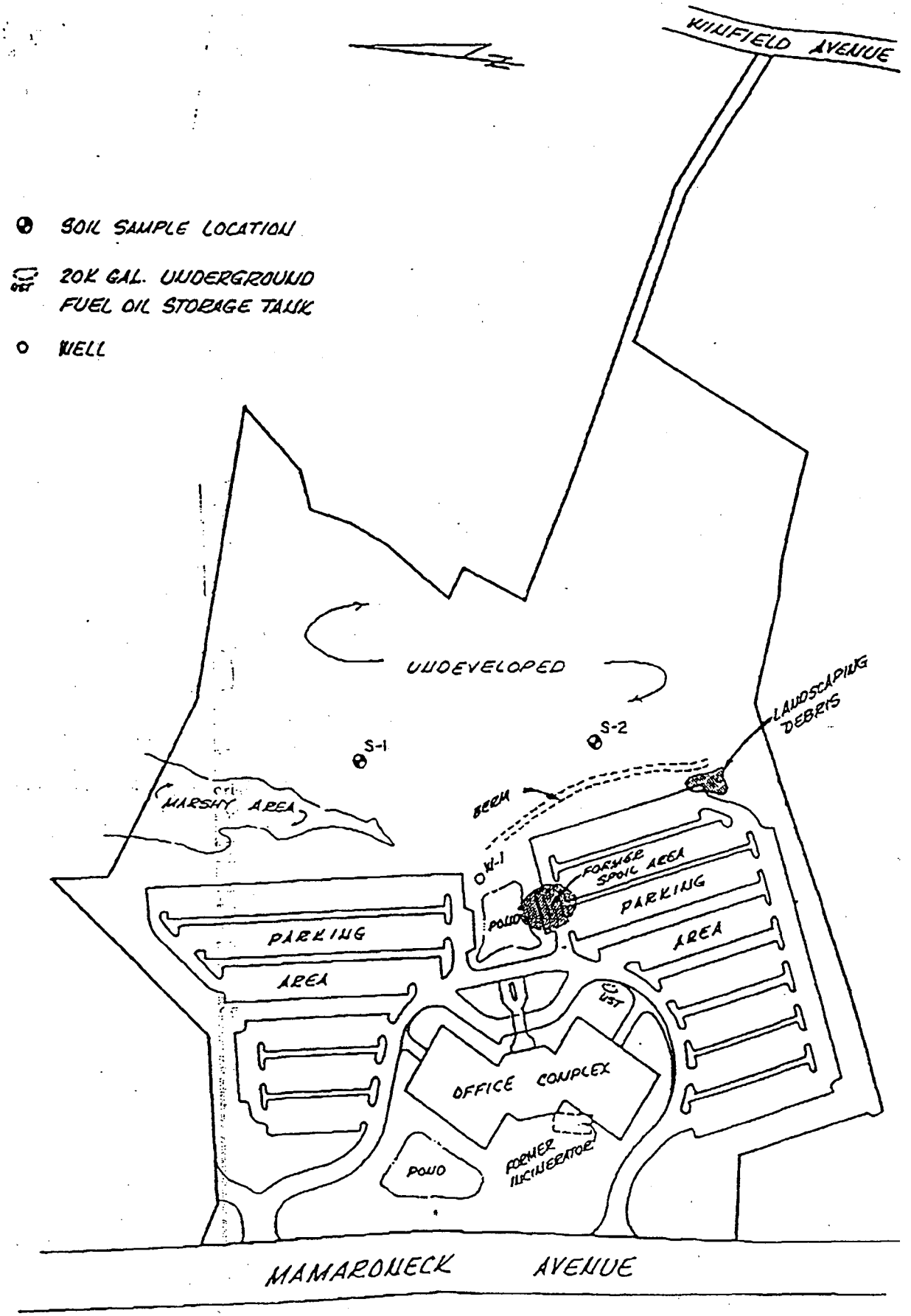
The site currently rises gradually over the parking area, and then is relatively level over the eastern portion. A small wet area is located in the north-central portion of the property, immediately east of the northern portion of the parking area.

The surrounding properties are primarily commercial structures along Mamaroneck Avenue (to the south and north of the subject property) and single family residences to the east. To the west of the site is Saxon Woods Park. Non-residential buildings in the vicinity of the site include office complexes, a law office and a home and garden store. All adjacent parcels are down-gradient of the undeveloped portion of the subject property.



BASE MAP: USGS Topographic Quadrangles - Mamaroneck, 1967, photoinspected 1975 & Mount Vernon, 1966, photorevised 1979

SITE LOCATION	DATE: 10/89
	SCALE: 1"=2000'
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 4



NOTE: All locations are approximate.

BASE MAP: Compiled from Westchester County Tax Maps & GZA Environmental Assessment - Figure 2, Site Plan, May 1986

SELECTED SITE FEATURES & SAMPLE LOCATIONS	DATE: 10/89
	SCALE: N/A
U.S. HYDROGEOLOGIC, INC.	JOB NO. SH90200
	PAGE NO. 5

3.0 Background Investigation

3.1 Site History

Subject Property:	Tax Map Town of Harrison Block 428, Lot 8 (formerly Lots 8, 26, and 26.1)	
		Date of Purchase
Current Owners[1]:	Schulman, Lowell M.	1983 to present
Previous Owners[1]:	Lot 8: Arthur Marros	to 1983
	Lot 26: Town of Harrison	to 1983
	Lot 26-1: Richard Harmony	to 1983

The site currently contains one primary structure: a five-story office building (275,000 square feet) and associated paved parking and landscaping. Tax records list one office building, built in 1986, and one receiving dish of steel and aluminum construction installed in 1989. Records also show that this site is provided with municipal water and sewer.

A series of aerial photographs showing the subject property and surrounding property during the years 1947-1986 were reviewed in order to assess changes on the subject property and surrounding area.

Tax records show that the site is the former location of the Town of Harrison incinerator. This incinerator was reportedly built in 1954, and demolished in 1984.

A review of aerial photographs shows that up until 1954 the subject property appeared to be vacant land. In the 1954 aerial, the Town incinerator is clearly visible. From 1954 until 1980, the aerials show no major changes on the site. The incinerator appears in all of these aerials. In several of the aerials, a faint path or roadway is visible leading from the incinerator to the rear of the property. Also consistently visible in these aerials is a small area of soil disturbance located near Mamaroneck Avenue, north of the incinerator, on the subject property. No additional large scale soil disturbance or debris was noted on the subject property during this time period.

In the 1986 aerial, the current building on the site is under construction. This corresponds with Town records which list the date of construction of the building as 1986.

From 1947 to 1960, there were signs of soil disturbance on properties located adjacent to and north of the subject property. This did not appear to be associated with construction of buildings which later occurred on the sites. In the 1960 aerial, which is of poor resolution, there is no sign of continued soil disturbance. A 1971 aerial of the area shows two buildings located on those adjacent sites which formerly showed signs of soil disturbance.

[1]Information on current or former property ownership is gathered from property cards and/or Westchester County records. This does not constitute a title search.

Two previous environmental assessments have been conducted. Copies of these reports are included in Appendix B. The first study is dated May 1986 and included limited soil and groundwater analysis. No areas of environmental concern were identified. A second study dated April 1988 again identified no environmental concerns.

3.2 Regulatory Review

A routine check of state and federal documents and sources was performed to identify recorded hazardous waste or regulated substance activities on the subject property.

The property is not listed with state or federal agencies as an inactive hazardous waste site. The nearest inactive hazardous waste site is Mamaroneck Senior Citizens Housing (Site Code 36002) in the Village of Mamaroneck, approximately 2.2 miles southeast of the subject property. Sampling of soil and wastes in May 1988 confirmed the presence of hazardous industrial waste resulting from activities in the 1950s to the early 1970s on the 7.85 acre Mamaroneck Senior Citizen's Housing site.

One underground storage tank is currently registered with the NYSDEC for this property. The tank is used for storing heating oil. Tank capacity is 20,000 gallons. The tank registration number is 494429.

The property is not currently registered with federal or state governmental agencies as a small quantity generator of hazardous waste, nor are the adjacent properties.

3.3 Site Investigation

The site inspection was conducted on October 12, 1989 in order to address any potential concerns raised during the investigations of historical records and regulatory agency records (above, Section 3.1 and 3.2) and to identify any additional indications of contamination from the storage, use and/or disposal of hazardous or regulated materials. An unoccupied portion of the facility was inspected, as well as the surrounding developed and undeveloped property. A visual inspection of adjacent and nearby properties was performed in conjunction with this inspection.

<u>Structures</u>

The site contains a 275,000 square foot office structure, constructed in 1986 by the current property owners. The building is a concrete and glass structure. There was no evidence of asbestos containing materials (ACM) in the walls or ceilings and there was no ACM visible on the hot water heating pipes inspected during the course of the internal inspection.

Internal areas inspected appeared to be free of lead paint, consistent with the age of construction. There is no evidence of older painted material in the building.

One transformer is present on the site, identification number 44W77W83. The transformer is the property of Consolidated Edison Company and is installed during construction of the existing facility, in 1986. Con Ed has verified that this transformer contains no PCBs. The transformer is stationed on concrete pads and secured; there was no evidence of oil leakage around the transformer.

Internal areas currently occupied by building lessees was not inspected; however, both tenants utilize the building for office purposes or for computer disassembly and reassembly. No chemicals are reported stored in these areas by the facility maintenance engineer, and no hazardous waste is generated by activities on the site.

The 20,000-gallon underground fuel oil storage tank is situated along the edge of the south parking area. The tank was installed in May 1986 and is constructed of fiberglass-reinforced plastic with steel piping. A vapor monitor leak detection system is in place. According to the facility engineer, product inventory is updated daily and there have been no leak or spill incidents. The tank was precision-tested following installation.

The area surrounding the bulk petroleum underground storage tank was relatively free of discoloration. Minor spillage, likely occurring during the course of filling the tank, was evident. The stained area was restricted to immediately around the fill pipe, and is not considered an indication of soil contamination.

Property

The property surrounding the building is comprised of a portion which is developed as parking and landscaping for the building, and a portion which is currently undeveloped. Both areas were physically inspected.

There was no indication of site contamination in the developed portion of the property. There was no surface staining in the parking area or the landscaped portion of the property. Drainage culverts did not appear to be stained, and the storm water detention area was generally free of foreign material (small amounts of leaves and other natural debris were present in the upper portion of the water detention area). Standing water in the lower portion of the detention area appeared to be slightly murky but was not discolored in any way. Further, there was no evidence of a sheen or oily film on this water.

At the extreme southeastern portion of the parking lot was a small landscaping debris area. The debris consisted of discarded plants, grass clippings, wooden baskets, and a few empty one to five gallon oil cans. There was no surface staining evident in this area. Slight turbidity of the standing water is likely the result of a sand pile present up-gradient of the water.

There was no evidence of contamination in the undeveloped portion of the site. This portion of the property is generally well-vegetated with mature hardwoods, indicative of an area undisturbed for a long period of time. The understory on the site appeared healthy, and consistent with the surrounding woodlands. There were no indications of vegetative stress in the trees or the understory, particularly in low-lying areas.

There is a sizable wet area in the northern portion of the property, immediately east of the parking area. This water was free of foreign material, and there was no evidence of water discoloration or sheens.

There is an elongate topographic high, or berm, immediately east of the south parking lot. This berm extends from the southeastern corner of the parking area to the beginning of the waterfall. White pines have been planted at regular intervals along its length. Vegetation along the berm is thick and healthy.

There was no evidence that material had been buried or disposed of in the undeveloped portion of the property. No berms, sinkholes, trenches or other evidence of buried material were identified. Further, there was no evidence of access roads or paths entering the undeveloped portion of the property, with the exception of the above mentioned construction road.

Prior reports on the property identified a berm located in the south-central portion of the property (see GZA report, Appendix B) and a "spoil area (misc. debris)" (EIS on 500 Mamaroneck Avenue, map on page C-2).

Those two areas are located entirely within the area disturbed during site development. It is assumed that a substantial amount of soil from the spoil area was removed from the site. The elevation of the current parking area is approximately 12-16 feet lower than the spoil areas, as estimated from a comparison of a map of 1983 site conditions and proposed site plan drawing.

Soil Samples

Two soil samples were collected from the site for laboratory analysis. The locations of these samples, S-1 and S-2, are shown on the Sample Location Map. Each sample was analyzed for cadmium, chromium and lead. The results of the analysis are summarized below:

Test	Sample S-1	Sample S-2
Cadmium	<1.41	<1.56
Chromium	65.4	41.7
Lead	136	77.6

* concentrations are mg/kg

Although each sample showed slightly elevated levels of the three metals, neither sample location exhibited high concentrations indicative of incinerator residue. Higher than normal metal concentrations are to be expected in industrial/urban settings. Analytical results are included in Appendix A.

Water Sample

One water sample (W-1) was analyzed from the single on-site well. The sample was collected from a tap near the wellhead and analyzed for volatile organic compounds (VOCs) according to EPA Method 602. No VOCs were detected. Analytical results are included in Appendix A.

4.0 Conclusions and Recommendations

Based on the records review, site inspection, and soil and groundwater analysis, no evidence of soil or groundwater contamination has been identified on the subject property. Although municipal waste was handled and incinerated at the site for several years, there appear to be no residual contaminants in the soil or water as a result of this activity. Large amounts of soil were reportedly removed from the site during development of the present office complex.

No potential areas of environmental concern were identified as a result of this study, and no additional investigations are recommended.

5.0 Sources of Information

Documents

Aerial photographs dated 1947, 1954, 1960, 1980, and 1986, various scales and resolution. Available at Westchester County Department of Planning, White Plains, NY. 1971 aerial photograph from Town of Harrison Building Department.

Environmental Impact Statement for 500 Mamaroneck Avenue, November, 1983. Prepared by J. Michael Divney Associates.

Environmental Risk Ltd., 1988, Site inspection report provided to Schulman Realty, Co., 9 p.

Goldberg, Zoino & Assoc., 1986, Environmental Assessment Report provided to Schulman Management Corporation, 5 p.

Inactive Hazardous Waste Disposal Sites in New York State, April, 1989, New York State Department of Environmental Conservation (NPL Reference).

Personal Communications

Monteiro, James. Town of Harrison Building and Maintenance Department.

APPENDIX A: LABORATORY ANALYTICAL RESULTS

CHEMTECH
CONSULTING GROUP, INC.
380 West 11th Street / New York, New York 10014 (212) 255-0100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Mehta
Laboratory Manager

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

CAMO LABORATORIES

A DIVISION OF CAMO POLLUTION CONTROL, INC.

POUGHKEEPSIE AREA FACILITY:
CAMO LABORATORY
367 VIOLET AVENUE
POUGHKEEPSIE, N.Y. 12601
(914) 473-9200

CHAIN OF CUSTODY

CLIENT Henry M. Celestino
Bill: Corporate Vice President
Schulman Realty Group

925 Westchester Avenue
White Plains, NY
10604-3583

SAMPLER L. Gamble, U.S. Hydrogeologic,

SAMPLE NO./ID	LOCATION/CONTAINER	DATE	TIME	SAMPLE TYPE	COMP	GRAB	No. of CONT.	ANALYSIS REQUIRED
W-1	well sample	10-12	1315	WATER ~~SOIL~~		X	1	BTX (602)
S-1	surface, pond area	10-12	1330	SOIL		X	1	Cd, Cr, Pb
S-2	surface, low area	10-12	1350	SOIL		X	1	Cd, Cr, Pb

Relinquished by:	Received by:	Date	Time
Lloyd Gamble			
Relinquished:	**Received by:**	**Date**	**Time**

Dispatched by:	Date	Time	Received for Laboratory by:	Date	Time
			Kathy Sullivan	10/12	5:05 pm

Method of Shipment:

Comments: W-1 analyze for BTX (602) - large container unpreserved

1-week turnaround for W-1

CAMO Containers

APPENDIX B: PREVIOUS ENVIRONMENTAL REPORTS

ENVIRONMENTAL RISK LIMITED

April 1988

ENVIRONMENTAL RISK LIMITED
120 Mountain Avenue Bloomfield, CT 06002 (203) 242-9933

April 11, 1988

Mr. Michael Curran
Schulman Realty Co.
925 Westchester Avenue
White Plains, NY 10604

RE: Schulman Realty Property, 500 Mamaroneck Avenue, Harrison, NY
ERL Project No. 7920-C85-88

Dear Mike:

Pursuant to your request, Environmental Risk Limited (ERL) has conducted a site inspection and limited environmental sampling as an update to the May 30, 1986 environmental assessment of the above referenced location prepared by Goldberg Zoino Associates of New York, PC (GZA).

The scope of ERL's assessment update included a review of the May, 1986 GZA environmental assessment, a site inspection by an ERL environmental scientist and the sampling and analysis of groundwater from an existing, on site bedrock well. A copy of the May, 1986 GZA report has been included as Attachment I.

On March 29, 1988, Gary Iadorola of ERL visited the subject property to observe site conditions and collect environmental samples. Observations from the site visit follow.

The property development is essentially the same as that reported by GZA in 1986, with the major exception being that construction of the building is complete. In summary, approximately ten acres of the site is developed into an office building with a 55,000 square foot footprint. The building is currently vacant, and there are no manufacturing or other commercial establishments observed on this property that generate any known hazardous wastes. In consideration of the proposed building use as office space, the only wastes that may be generated are those associated with operation and maintenance of an office facility. Surrounding the building on three sides are paved parking areas. Mamaroneck Avenue borders the front of the building to the west. The developed, ten acre parcel is surrounded on three sides by approximately 24 acres of undeveloped wooded open space and wetland.

The building is serviced by city water and sewers. The heat source is supplied by an on site boiler. Number two heating fuel used for the boiler is stored on site in a buried, 20,000-gallon steel tank. This tank was reported by Schulman Management to have been installed during 1986 with a protective coating and cathodic protection. It is generally recommended that this tank be integrity tested at least every five years.

The property was reported by GZA and Schulman personnel to be the former location of the Town incinerator and waste transfer station. It was further reported by GZA that during construction, most debris associated with the former incinerator and transfer station was removed as part of the construction site development. A soil berm at the south end of the parking area was identified as the only area that contained debris that may have been associated with the former incinerator and transfer station (e.g., glass, metal, plastic, and slag). Two samples of these soils were collected by GZA and analyzed for the E.P. Toxic heavy metals. The results of the analysis were reported to be an order of magnitude lower than the hazardous concentrations. Hard copies of the past laboratory analysis were not included in the GZA report.

ERL also reviewed the site in regards to the need, feasibility, and/or the practicality to install groundwater monitoring wells at this property.

During construction, the original grade was lowered by approximately eighteen feet, with an estimated 330,000 cubic yards of soil and rock removed from the site. As a result of this extensive site work, the building and the majority of the developed area are underlain by bedrock with little or no soil mantle. Therefore, if monitoring wells were installed, they would be installed into bedrock.

Through discussions with Schulman personnel, ERL learned that a bedrock production well exists near the center of the site downslope of the former incinerator. The primary purpose of the well is to supply water to an on-site waterfall. This well provides an ideal point to access groundwater in the bedrock under the site. Because the well is and has been under pumping conditions (approximately ten GPM), it is probable that the groundwater obtained is from a larger area than groundwater that may have been obtained by monitoring a static monitoring well.

On March 29, 1988, ERL obtained a groundwater sample from the on site production well. The sample was submitted to Connecticut Testing Laboratories of Meriden, Connecticut for analysis. The analysis included the EPA Method 601 and 602 volatile organic compounds (characteristic of petroleum hydrocarbons and chlorinated solvents), the E.P. Toxic metals, and cyanide. The results of these analysis show none of the analyzed compounds were found above the laboratory detection limits. Subsequently, the analyzed parameters meet currently established USEPA action limits and standards for drinking water quality. Copies of the laboratory analysis are included in Attachment II.

The results of the groundwater analysis provide further confidence to the May, 1986 conclusion made by GZA that there is no on-site indication of the presence of hazardous materials or oils in the environment at the 500 Mamaroneck Avenue site. Furthermore, based upon the past and recent history of the site and the environmental data collected to date, additional groundwater monitoring at this site does not appear warranted.

If you have any questions concerning this matter, please call me or Gary Iadorola at (203) 242-9933.

Very truly yours,

ENVIRONMENTAL RISK LIMITED

Frederick W. Johnson
Senior Associate

FWJ/dc
Attachments (2)
cc: H. Guy Liebler, Schulman

Attachment II

Laboratory Analysis of Groundwater
Samples Collected March 29, 1988

WATER

SOIL

AIR

STEPHEN J. FRANCO
Laboratory Director

CERTIFICATION
PH-0547

April 7, 1988

Environmental Risk LTD.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-305-1
P.O. No. 7920
Inv. No. 3228

Dear Mr. Johnson:

The following is a report of analysis on samples received March 29, 1988.

	WP-1
Arsenic - mg/l	ND<0.05
Barium - mg/l	ND<0.5
Cadmium - mg/l	ND<0.01
Chromium, Total - mg/l	ND<0.05
Lead - mg/l	ND<0.05
Mercury - mg/l	ND<0.002
Selenium - mg/l	ND<0.01
Silver - mg/l	ND<0.01
Cyanide, Total - mg/l	ND<0.05

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:hc

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

Environmental Risk LTd.
Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200
Page 3
March 31, 1988

EPA METHOD 602/8020/8015-ppb

	WP-1			
Benzene				
Toluene				
Ethyl Benzene				
P-Xylene				
M-Xylene				
O-Xylene				
1,4-Dichlorobenzene				
1,3-Dichlorobenzene				
1,2-Dichorobenzene				
Methyl Ethyl Ketone*				
Methyl Isobutyl Ketone*				
Acrylamide*	—			
Carbon Disulfide*	—			
Diethyl Ether*	—			
Paraldehyde*	—			

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb.

*The minimum detectable level for these (*) parameters was 50 ppb.

EPA METHOD 601/8010-ppb

			WP-1		
Chloromethane					
Bromomethane					
Vinylchloride *					
Chloroethane *					
Methylenechloride					
Trichlorofluoromethane					
11-Dichloroethylene					
11-Dichloroethane					
T12-Dichloroethylene					
Chloroform					
12-Dichloroethane					
111-Trichloroethane					
Carbontetrachloride					
Bromodichloromethane					
12-Dichloropropane					
T13-Dichloropropylene					
Trichloroethylene					
Dibromochloromethane					
112-Trichloroethane					
Cis13-Dichloropropylene					
2-Chlorethylvinylether *					
Bromoform					
1122-Tetrachloroethane					
Tetrachloroethylene					
Chlorobenzene					
Benzyl Chloride					
Bis (2-chloroethoxy)methane *					
Bis(2-chloroisopropyl)ether *					
Bromobenzene					
Chloracetaldehyde *					
1-Chlorohexane					
Chloromethyl methyl ether *					
Chlorotoluene					
Dibromomethane					
12-Dichlorobenzene					
13-Dichlorobenzene					
14-Dichlorobenzene					
Trichloropropane					

Blanks indicate the analyte was tested and found to be below the minimum detectable level.

The minimum detectable level was less than 1 ppb .

*The minimum detectable level for these (*) parameters was 10 ppb .

WATER

SOIL

AIR

March 31, 1988

Environmental Risk LTd.
120 Mountain Ave.
Bloomfield, Ct. 06002

Att: Fred Johnson

RE: Lab. No. 38-286-1
P.O. No. 7920
Inv. No. 3200

Dear Mr. Johnson:

The attached report are results of analysis for samples received March 29, 1988.

The samples were analyzed by Gas Chromatography and results are reported in ppb.

Please contact me if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

STEPHEN J. FRANCO
Laboratory Director

CT CERTIFICATION
PH-0547

SJF:hc

CONNECTICUT TESTING LABORATORIES, INC.
140 Gracey Avenue
Meriden, Connecticut 06450
(203) 634-3731

CKL

CHAIN OF CUSTODY RECORD

Place & Address Of Collection	Samplers Name (Signature)
White Plains, N.Y.	Gary Sadarola
	Assistant (Witness) (Signature)
	Job Number 7920

Sample Number	Sample Location	Type Container	Total Volume	Preservative	Date	Time	Sample Type: Water	Soil	Air	Waste	Remarks
WP-1	2	Glass	40 ml	No	3-29-88	1230 PM	✓				
WP-1	1	Plastic	1 qt.	No	"	"	✓				
WP-1	1	Plastic	1 qt	Sodium Hydroxide	"	"	✓				

Relinquished By (Signature)	Received By (Signature)	Date	Time
Gary Sadarola	S Fraser	3-29-88	2:45 PM
Relinquished By (Signature)	Received By (Signature)	Date	Time
Relinquished By (Signature)	Received By (Signature)	Date	Time

Name & Address Of Laboratory

ANALYSIS REQUIRED
SAMPLE IDENTIFICATION ☒

Parameters	Sample Number	Parameters	Sample Number: WP-1
Al		NO_2-N	
As		(Ortho) PO_4-P	
Ba		(Total) PO_4-P	
Ca		Oil & Grease	
Cd		Phenols	
Cr^{+6}		CN^--A	
Cr-T		CN^--T	✓
Cu		TKN	
Fe-D		Organic-N	
Fe-T		TOC	
Pb		pH	
Mg		STD Water	
Mn-D		Fecal Coliform	
Mn-T		Fecal Strep.	
Na		Total Coliform	
Hg		Flouride	
Ni		Chloride	
Ag		8010	✓
Se		8020	✓
V.		8080	
Zn		8015	
TSS		TOX	
TDS		EP-TOX-Metals	✓
TS			
Sp Cond.			
NO_3-N			
Remarks			

CHEMTECH
CONSULTING GROUP, INC.
360 West 11th Street / New York, New York 10014 (212) 255-9100

October 17, 1989

Rudikoff & Rohde Inc.
328 Main Mall
Poughkeepsie, New York 12601

PROJECT NO.: 8910023

Attn: Mr.Paul H. Ciminello

Ref.:

SAMPLE NO.: 1 DESCRIPTION: S1

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.41
Chromium	mg/kg	65.4
Lead	mg/kg	136

DATE RECEIVED: 10/17/89

SAMPLE NO.: 2 DESCRIPTION: S2

TEST	UNITS	RESULTS
Cadmium	mg/kg	<1.56
Chromium	mg/kg	41.7
Lead	mg/kg	77.6

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

SAMPLE NO.: 3 DESCRIPTION:

TEST	UNITS	RESULTS

DATE RECEIVED: 10/17/89 DATE SAMPLED: 10/16/89

Divyajit Manta
Laboratory Manager

CAMO LOG NO.: 89-10-4767

AROMATICS

EPA METHOD 602

PARAMETERS	(01) W-1 Well Sample
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene, Total	<3
Chlorobenzene	<1
1,4-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE: All results expressed in ug/L unless noted otherwise.

GZA OF NEW YORK P.C.
GOLDBERG-ZOINO ASSOCIATES OF NEW YORK, P.C.
GEOTECHNICAL-GEOENVIRONMENTAL CONSULTANTS

JAMES H. REYNOLDS
GENERAL MANAGER
SUITE 1000 RAND BUILDING
BUFFALO, NY 14203
716/855/8860

CONSULTANTS
WILLIAM J. ZOINO
JOSEPH S. CARRIGAN JR.
WILLIAM A. BRUCE
NICHOLAS J. SARNICOLA JR.
WILLIAM A. BRUCE
LAWRENCE TOWNSEND
JOSEPH WING
ROBERT A. HELLER
JOSE F. MOLLAMAN
MICHAEL J. FERRIS
JAMES F. NICOLAS
PAUL V. GARSON
ROBERT M. BROWN
STEVEN J. TRITTEL

CONSULTANTS
WALTER C. JOHNSON
STANLEY M. BRYSKY

Schulman Management Corporation
925 Westchester Avenue
White Plains NY

May 30, 1986
File No. H-6437 A

REPLY TO: ROBERT A. HELLER
DISTRICT MANAGER
582 LAFAYETTE BLVD.
BRIDGEPORT, CT 06604
203/334-6593

Attn: Mr. Mike Curran

Gentlemen:

Per the request of Schulman Management Corporation, Goldberg-Zoino & Associates Inc., (GZA/Heller) has performed a site visit at a 34 acre piece of property at 500 Mamaroneck Avenue in Harrison, NY. The purpose of our site visit was to observe the site for evidence of the presence of oil or hazardous material in the environment at the site.

The subsequent sections of this letter contain GZA/Heller's observations at the site.

Field Visit

On May 15, 1986 Mr. David Greene of GZA/Heller met with Mr. Mike Curran of Schulman Management Corporation to observe site conditions and discuss site history with respect to land use and hazardous materials and oil. Observations from that site visit follow.

A site plan is attached for reference.

An office building with a footprint of 55,000± square feet is currently under construction at the site. Associated parking areas are also in the process of development.

Approximately 10± acres of the site are developed or in the process of development. The remaining 24± acres primarily on the east side of the property were observed to be undisturbed woodlands, marshy areas or are planned for open space.

According to Mr. Curran, the site was formerly the town incinerator/waste transfer station. The incinerator was apparently located where the office building is being constructed.

Based on visual observation and conversation with Mr. Curran all soil and large volumes of bedrock have been removed from the building area and adjacent future parking areas. The land surface has apparently been lowered by approximately eighteen feet and it is our understanding that 330,000± cubic yards of soil and rock have been removed.

According to personnel of DeLaurentis Excavating there was debris on the site prior to site development. Debris reportedly consisted of scrap metal, old cars and other non-burnable material from operation of the incinerator. Apparently the majority of this material was removed prior to the start of excavation. No evidence of significant deposits of any debris or residue from the incinerators were observed.

The only potential evidence of past site usage as an incinerator/transfer station was seen in the soils used to construct a ±150 ft. x 12 ft. x 10 foot berm on the southeast corner of the site. This soil consists of a grey silt with fragments of glass, metal, slag, ash and small amounts of plastic. Two soil samples were obtained from this berm area and were made into a single composite for the analysis of priority pollutant metals by EP toxicity methods. Samples were taken to confirm that contamination of these soils has not occured. Verbal results of the laboratory analysis indicate that the composite soil sample did not exhibit the characteristics of hazardous soils using EP Toxicity Methods. All metal results were at least an order of magnitude below relevant standards.

Summary and Conclusions

A limited environment assessment was conducted at 500 Mamaroneck Avenue in Harrison, New York. The assessment included a site visit and analysis of one composite soil sample for priority pollutant metals (results pending). No background research or subsurface explorations were performed. Based on studies conducted and observation made as part of the present assessment, it is GZA's opinion that there is no on-site indication of the presence of hazardous materials or oils in the environment at the site.

The laboratory report will be forwarded upon receipt by GZA/Heller.

Limitation

This report is subject to the attached limitations.

This study and report have been prepared on behalf of and for the exclusive use of our client solely for use in an environmental evaluation of the site. This report and the findings contained herein shall not, in whole or part, be disseminated or conveyed to any other party, nor used by any other party, without the prior written consent of GZA/Heller. However, GZA/Heller acknowledges and agrees that the report and attached Statement of Terms and Conditions may be conveyed to potential tenants associated with the site.

GZA

The report has been prepared in accordance with the Statement of Terms and Conditions set forth in the following section. No other warranty, expressed or implied, is made.

We trust the report presented herein satisfies your current requirements. The undersigned will be contacting you in several days to discuss any questions you may have. We have appreciated the opportunity to work with you on this project.

Very truly yours,

GOLDBERG - ZOINO & ASSOCIATES

Kathleen A. Cyr, P.E.
Senior Project Manager

Robert A. Heller, P.E.
Associate-in-Charge

KAC,RAH/gln

GZA

FILE No. 11-6437(A)

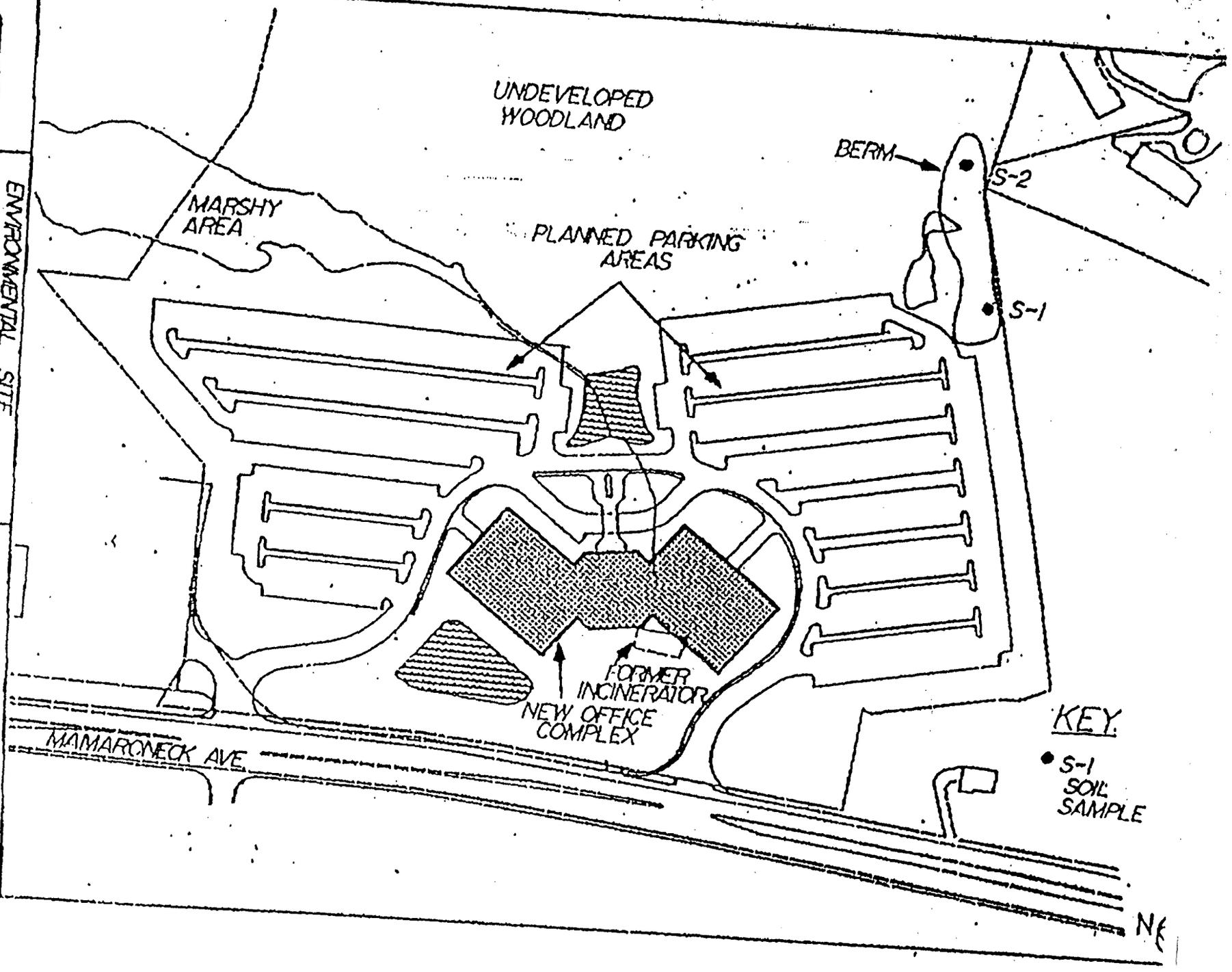
GZA

ENVIRONMENTAL SITE ASSESSMENT
500 MAMARONECK AVE
MAMARONECK, NEW YORK

MAY 1986

SITE PLAN

FIGURE 2



APPENDIX A

LIMITATIONS

1. The observations described in this Report were made under the conditions stated therein. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by Client. The work described in this report was carried out in accordance with the attached Statement of Terms and Conditions.

2. In preparing this Report, GZA has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to GZA at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, GZA did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment.

3. Observations were made of the site and of structures on the site as indicated within the Report. Where access to portions of the site or to structures on the site was unavailable or limited, GZA renders no opinion as to the presence of hazardous material or oil, or to the presence of indirect evidence relating to structure. In addition, GZA renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the interior walls, floor, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.

4. Unless otherwise specified in the Report, GZA did not perform testing or analyses to determine the presence or concentration of asbestos or polycholorinated biphenyls (PCB's) at the site or in the environment at the site.

5. The purpose of this report was to assess the physical characteristics of the subject site with respect to the presence in the environment of hazardous material or oil, as defined in Connecticut General Statutes Section 22a-452. No specific attempt was made to check on the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.

GZA

MERRITT & HARRIS, INC.

July 1987

MERRITT & HARRIS, INC. Consultants to the Real Estate Lending and Investment Community

14-608

July 31, 1987

Ms. Robin Gallagher
Chemical Bank
Real Estate Division
325 Hamilton Avenue
White Plains, New York 10601

Re: 275,000 Sq. Ft. Office Building
500 Mamaroneck Avenue
Harrison, New York

Dear Ms. Gallagher:

Enclosed is Site Observation Report 22, based on our observation of the referenced project on July 24, 1987. The site observation was performed and the report was written by Mr. Lester R. Buchell Jr., Project Manager.

Base Building work is substantially complete with a Temporary Certificate of Occupancy obtained. Site work is complete except for minor landscaping and paving. Unless advised to the contrary, this will be our final site observation report.

If you have any questions regarding this report, please call.

Very truly yours,

MERRITT & HARRIS, INC.

Robert T. DiBlasi, AIA
Vice President

RTD:hi
Enclosure

cc: Lester R. Buchell Jr.

110 East 42nd Street, New York, N.Y. 10017-5655 • (212) 697-3155 • FAX (212) 687-2859

July 31, 1987

275,000 SQ. FT. OFFICE BUILDING
500 MAMARONECK AVENUE
HARRISON, NEW YORK

SITE OBSERVATION REPORT 22

Prepared For:	Chemical Bank Attn: Ms. Robin Gallagher Telephone: (914) 948-5492
Borrower:	Shulman Management Corporation
Project Name and Location:	275,000 Sq. Ft. Office Building 500 Mamaroneck Avenue Harrison, New York
Improvement:	The new construction of a 5-story office building on a 34.55-acre site
Job Phone:	(914) 698-0976
Present During Observation:	Mr. Hank Cellestino (914) 948-2230
Observation and Report by:	Mr. Lester R. Buchell Jr.
Date of Observation:	July 24, 1987
Date of Previous Observation:	February 9, 1986

SECTION I - PROJECT OBSERVATION

Project Scope

The project consists of the construction of a new 275,000 sq. ft. office building on a 34.55-acre site located along Mamaroneck Avenue in Harrison, New York.

The facility will be a 5-story concrete lift slab building with 2 rectangular wings, which are connected by common areas in the core.

The site will have parking for 1,000 cars and will be serviced by 2 access roads. The site also contains 2 water retention basins.

Construction Activity

Construction is proceeding in a good and workmanlike manner and in general conformance with the plans and related documents that we have received to date, with the exception of the revised mechanical systems, which will be documented by the Engineer shortly. The following items have been completed: structural steel, concrete, masonry, drywall, and fireproofing. The following progress in construction was observed:

Site Work

Site work is complete except for landscaping (95%), the final coat of black top on roads (starting), parking spot marking, and site lighting (50%) Photograph 2. Seeding is now complete.

Exterior

Work is complete, including punch list items (Photograph 1).

Stairways

Work is complete except for floor finish and the finish coat of paint. These items will be done during the tenant finish stage out of tenant allowances.

Lobbies, Corridors, and Public Spaces

On the 1-3 floors elevator lobbies have marble wall panels with ceramic floor tile complete except on the 3rd floor which is nearly complete (Photograph 3). The 3rd and 4th floors elevator lobbies are sheetrocked and taped. One the 1-3 floors corridors are complete except for floors and finish painting which will be left up to the tenant. Corridor framing has started on the 4th floor. All toilet rooms are complete (Photograph 4).

Tenant Spaces

Work completed includes perimeter insulation and sheetrock, sheetrock columns, sprinkler roughing, baseboard heaters and ducts. Ceiling hangers, VAV boxes, and duct insulation work is in progress.

Tests and Certifications

As previously stated, we have received a copy of the Temporary Certificate of Occupancy.

The following information has been requested but has not been received:

- Elevator certification (Mr. Cellestino will receive this when he accepts the elevators. He will not accept them until just before tenant occupancy).

- Roof certification for warranty

SECTION II - PROGRESS

Summary of Estimated Completion to Date

Original Construction Budget		$18,283,244
Adjustments		0
Revised Construction Budget		$18,283,244
Work Previously Completed	(96.6%)	$17,655,844
Total Work Completed This Period	(1.4%)	260,500
Total Work Completed to Date	(98.0%)	$17,916,344
Funds to Complete Construction Based on Budget of $18,283,244		$ 366,900

We feel that the preceding amount of $366,900 will be sufficient to complete construction of the project at this time.

The preceding figures do not include tenant finish items.

Please note that the preceding amounts are gross values and do not take into account retainages or other holdbacks.

Rate of Progress and Estimated Completion Date

The Base Building is substantially complete. The Temporary Certificate of Occupancy has been issued, but some Base Building items are not complete, such as hung ceilings, site lighting, and final paving at parking spaces. Those items that are indoors depend on the desired usage of prospective tenants. Until a tenant is acquired, we cannot anticipate a completion date.

SECTION III - TRADES AND MATERIALS

A draft copy of Requisition 25, for work performed from February 9, 1987, to May 15, 1987, has been attached. The percentage of completion and dollar values for each line item were mutually agreed upon with the Borrower's Representative, Mr. Hank Cellestino, at the job site.

SECTION IV - SUBCONTRACTS

As previously agreed, subcontract reviews are not part of our service.

SECTION V - PHOTOGRAPHS

Photographs taken during the time of our site observation are attached and show the following:

1. Exterior building work complete
2. Landscape work in progress at the parking lots
3. The 1st and 2nd floor elevator lobbies
4. A typical toilet room

SECTION VI - COMMENTS

Mr. Cellestino advised us that no spaces have been leased at this time. However 2 inquiring tenants are interested in a whole floor or the whole building. Mr. Cellestino is looking to lease the building to one or two tenants maximum.

SECTION VII - ATTACHMENTS

1. A draft copy of Requisition 25, dated May 15, 1987

2. Site Photographs, dated July 24, 1987

CONTINUATION SHEET AIA DOCUMENT G703 #14-608 PAGE 2 OF 4 PAGES

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work covered by this Application for Payment has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED: $ _____

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: _____ Date: _____

This certification is without prejudice to any rights of the Owner or Contractor under this Agreement.

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

In tabulating portions of this continuation sheet, amounts are stated to the nearest dollar.

Use Column I on contracts where variable retainage for line items may apply.

APPLICATION NUMBER: 25

APPLICATION DATE: 5-15-87

PERIOD FROM: 2-6-87

TO: 5-15-87

ARCHITECT'S PROJECT NO:

A	B	C	D	E	F	G		H	I
			WORK COMPLETED						
ITEM No.	DESCRIPTION OF WORK	SCHEDULED VALUE	Previous Applications	This Application: Work In Place	This Application: Stored Materials (not in E or F)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
	Hard Costs								
	Site Work:								
	Clearing, Grubbing and Stripping	250,000	250,000			250,000	100		
	Bulk Excavation Including Rock	4,200,000	4,200,000			4,200,000	100		
	Storm Sewers & Utility Trenches, [illegible]	500,000	500,000			500,00	100		
	Rough Grading	200,000	190,000	10,000		200,000	95+5		
	Detention Ponds	200,000	180,000	20,000		200,000	90+10		
	Paving and Curbs	450,000	360,000	67,500		427,500	80+15		
	Landscaping	200,000	130,000	50,000		180,000	65+25		
	Soft Cost:								
	[illegible]	750,000	750,000			750,000	100		
	Excavation	500,000	500,000			500,000	100		
	Structure in place	2,655,000	2,655,000			2,655,000	100		
	Roofing & sheet metal	260,000	[illegible]			260,000	100		
	Curtain wall in place	1,900,000	1,900,000			1,900,000	100		
	Engineering	120,000	120,000			120,000	100		
	Spray Fireproofing & plastering	25,000	25,000			25,000	100		
	Enclosures	165,000	165,000			165,000	100		
	[illegible] Core & Shell	370,000	370,000			370,000	100		
		150,000	150,000			150,000	100		

[redacted] -6-87

TO: 5-15-87

ARCHITECT'S PROJECT NO:

[redacted]	SCHEDULED VALUE	WORK COMPLETED: Previous Applications	WORK COMPLETED: This Application: Work in Place	WORK COMPLETED: This Application: Stored Materials (not in D or E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G÷C)	BALANCE TO FINISH (C-G)	RETAINAGE
Hard Costs (con't.)								
Carpentry & Millwork	122,000	122,000			122,000	100		
Hollow Metal	22,000	22,000			22,000	100		
Finish Hardware	22,000	22,000			22,000	100		
Acoustic Tile	495,000	148,500	99,000		247,500	30 +20		
Ceramic Tile	138,000	131,100				95		
Toilet Partitions & Accessories	110,000	110,000			110,000	100		
Painting (Core & Shell)	35,000	21,000	14,000		35,000	60 +40		
Resilient Flooring	10,000							
Venetian Blinds	60,000							
Elevators	416,000	416,000			416,000	100		
Plumbing	458,000	458,000			458,000	100		
Sprinkler (Core & Shell	90,000	90,000			90,000	100		
HVAC	2,300,000	2,300,000			2,300,000	100		
Electric	883,000	883,000			883,000	100		
General Conditions (inc. labor & supervision)	227,244	227,244			227,244	100		
TOTAL HARD COSTS	18,283,244	17,655,844	260,500		17916344 ~~17,655,844~~	98.0%	627,400	
	18,283,244	17,655,844						

CONTINUATION SHEET [illegible] DOCUMENT [illegible]

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing [illegible]
Contractor's signed Certification is attached.
In tabulation below, amounts are stated to the [illegible] dollar.
Use Column [illegible] contracts where [illegible]

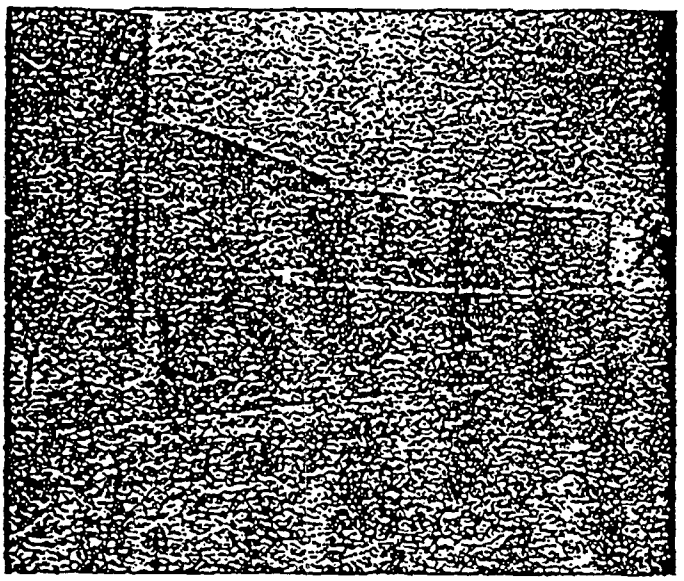
6-87
[illegible]-15-87

[illegible] PROJECT NO:

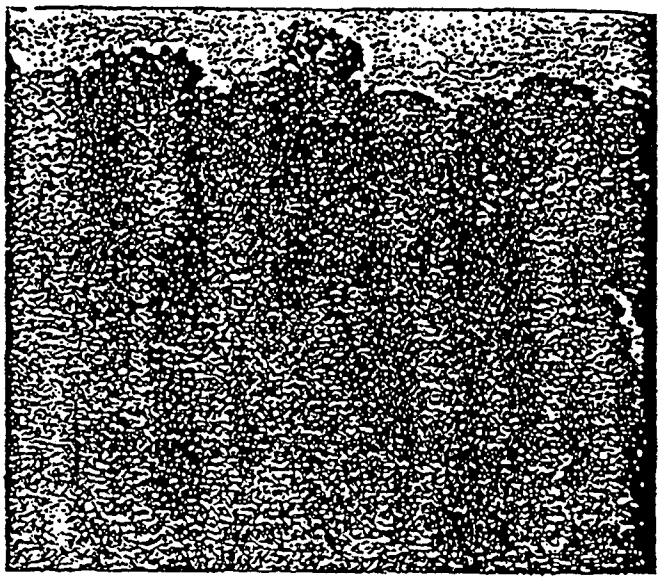
ITEM No.	DESCRIPTION OF WORK	SCHEDULED VALUE	[illegible]	[illegible]	[illegible]	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% [illegible]	[illegible]	[illegible]
	Soft Costs								
	Architects & Engineers	1,400,000	1,400,000			1,400,000	100		
	[illegible]	275,000	206,250						
	Inspecting Architects	20,000	20,000			20,000	100		
	[illegible] Bonds	150,000	135,000						
	Closing Costs	390,000	390,000			390,000	100		
	Test Borings	10,713	10,713			10,713	100		
	Real Estate Taxes	94,234	94,234			94,234	100		
	Pre-construction Int.	82,500	82,500			82,500	1		
	Int. during construct.	3,150,000	3,150,000			3,150,000			
	Paid to take Mortgage [illegible] assignment	1,590,686	1,590,686			1,590,686	1		
		7,163,133	7,079,383		-0-				
	Land	2,553,623	2,553,623		-0-				
		20,000	27,288,050		-0-				

MERRITT & HARRIS, INC. 14-608

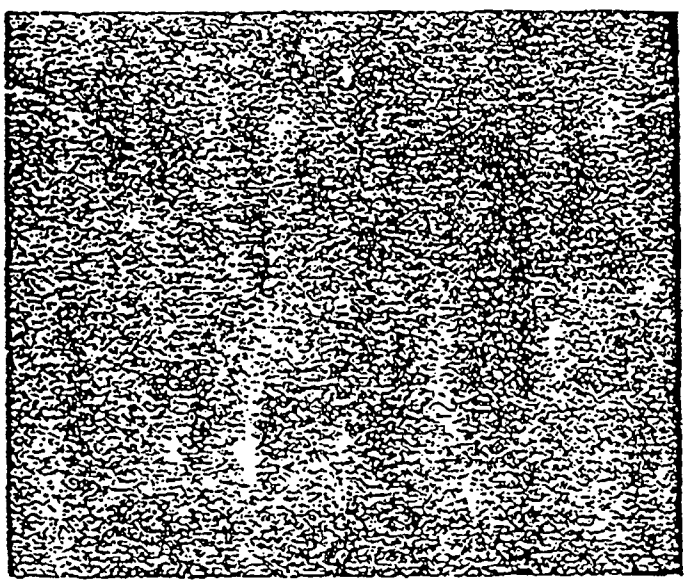
Site Photographs Taken:
July 24, 1987



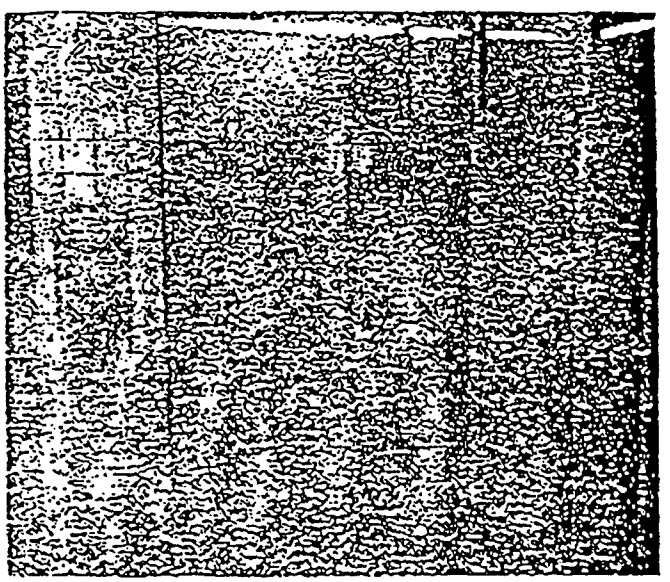
#1- MAMARONECK AVE
#14-608 - 7/24/87



#2-MAMARONECK AVE
#14-608 - 7/24/87



#3-MAMARONECK AVE
#14-608 -7/24/87



#4-MAMARONECK AVE
#14-608 - 7/24/87

ATTACHMENT #2

THE BANK OF NOVA SCOTIA

TO: ATTENTION Andy Schultz

DATE July 7/97

PHONE NO.

ADDRESS Shearman & Sterling

FAXCOM NO. 848-8300

FROM: Rob Boese

PHONE NO.

BRANCH/DEPARTMENT

FAXCOM NO.

ADDRESS

TRANSIT NO.

NUMBER OF PAGES INCLUDING THIS ONE: 2

IF ALL PAGES ARE NOT RECEIVED, PLEASE CALL

PHONE NO.

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REMARKS :

1114276 (11/92)

PREPARED BY:

AUTHORIZED BY :

Field Notes – 1998

5001 Mamaroneck Ave, Harri

ERM/ADT on site @ 08:00

*

Soil Boring Scope:

Due to the presence of shallow bedrock plan to make 2 attempts for a viable soil boring at each previously selected area. If unable to penetrate past 2' bls, will move to next location.

Calibrated Photovac PID using 100ppm isobutylene standard. Measurement 100ppm = 100ppm

GP-1

attempt ① Drill rod encountered refusal @ 1' bls

attempt ② Drill rod encountered refusal @ 1' bls

attempt ③ A 0-4' Rec 80% PID 10.2 Time 1026

Fine to Med Sand, Gravel, Med Brown

Odorless

B 4.0-7.5' Rec 90% PID 0 Time 1042

Silty Sand & Gravel. Med/Dk Brown

Odorless Silt = 30% of matrix

Note: Hit void in borehole from 6.5-7'

Refusal @ 7.5' bls.

TU 1/5/12/98 Cuddy, Feder, Worby / Harrison
1262.002

GP-3

attempt ① Refusal @ 4" bls
attempt ② " @ 12" bls
attempt ③ " @ 9" bls
attempt ④ " @ 15" bls
attempt ⑤ " @ 22" bls Sample Taken

A 0-1.75', Rec 80% PID 0.2 ppm Time 1113
Same description as GP-1 (0-4') except there are 2 layers of sandy clay (moderate plasticity, med brn)
Refusal @ 22" bls

GP-2

attempt ① Refusal @ 24" (2.0')
attempt ② Refusal @ 27" (2.25') Sample Taken
A 0-2.25' PID-0.3 ppm Rec 80% Time 1124
Silt w/ Gravel (10%), Med/Dark brown
Odorless

10/5/12/98 Cuddy, Tester, Worley / Harrison

GP-4

attempt ① Refusal @ 2.2' bls

attempt ② Refusal @ 2.25 bls

Ⓐ 0-2.25' Rec 90% PID 0.0 ppm Time 1148

Silty (15%) Sand (80%) w Gravel (15%), Med/Dark brown, Odorless

- Refusal @ 2.25 bls

GP-5 A 0-3.5' Rec 90% PID 0.0 ppm Time 1217

~~attempt ①~~ Sand w/ Gravel; color and texture ~~attempt ②~~ appear to be similar to pulverized bedrock, color white + gray components.

This sample from the "spoils" area

B 3.5-6.5 Rec 80% PID 0.0 ppm Time 1238

Same description as A (0-3.5'); White components are granular + there is an increase of fine, powder-like material; Refusal @ 6.5' BLS

GP-6

attempt ① Refusal @ 11"

" ② " @ 6"

" ③ " @ 10"

A 0-1' BLS Rec 60% PID 0.0 ppm Time 1306

Tu/5/12/98 Cuddy, Feder, Worby/Harrison

GP-6A (continued)

Fine to Coarse Sand & Gravel. Gravel comprises 30% of soil matrix. Med brown. Refusal @ 1' BLS

GP-7

attempt ① Refusal @ 13"

" ② " @ 13"

attempt ③ Refusal @ 27" (2.25' bls)

A 0.25 - 2.25' Rec 90% PID 0.0 ppm Time 1419

Silty Sand w/ Gravel (30%). Med Brown. Odorless. Refusal @ 2.5' bls

GP-8 (location chosen because of red staining where GW unf. cast

A 0-3': Rec 60% PID 0.0 ppm Time 1426

Moist; Silty Sand w/ Gravel, sand components are fine to V. fine grained & comprise 80% of soil matrix; med/dark brown; odorless;

B 3-6' Rec 40-50% PID - 0.0 ppm Time 1435

Top 9" Wet Sand w/ Gravel, sand is med. to coarse grained; Gravel is angular to 1" diam & comprises 3-40% of matrix. Color, black & white

TU 5/12/98 Cuddy, Fedor, Worby / Harrison

GP-8B (3-6' bls) - Bottom 9" Wet Clay - moderate plasticity, medium brown, slight odor of sewage or organic decay.

C 6-8' Rec 50% PID - 0.0ppm Time 1444
Top 8" same description as 8B (Top 9")
Bot 4" same description as 8B (Bot 9")
Refusal @ 8' bls

GP-9

A 0-3' Rec 50% PID - 0.0ppm Time 1514
Same description as GP-7A

B 3-5.5' Rec 50% PID 0.0ppm Time 1531
Same description as GP-7A
Refusal @ 5.5' bls

GP-10

A 0-3' Rec 80% PID 0.0ppm Time 1540
Same description as GP-7A

B - 3-6' Rec 30% PID 0.0ppm Time 1605
Same description as GP-7A except soil matrix was moist.
Refusal @ 6' BLS

10/5/2/98 Cuddy, Feder, Worby / Harrison

GP-11

A 0-3' Rec 60% PID 0.0 ppm Time 1623
Same description as GP-7A except:
① soil matrix is moist
② 30% of matrix is composed of unnatural material such as shard of glass & tile, wood chips, wood cinders, etc.

B 3-6' Rec 60% PID- 0.0ppm Time 1631
Same description as A(0-3' BLS) interval except interval 3-6' BLS also contains plastic and wire strands/metal scraps

C 6-10' Rec 30% PID-0.0ppm Time 1638
Wet Same description as interval B of this sample

NO REFUSAL @ 12' BLS

GP-12

A 0-3' Rec 70% PID.-0.0ppm Time 1653
Same description as GP-11 A(0-3) except 5-10% unnatural materials

B) 3-6' Rec 60% PID ppm Time 1658
Same description as GP-12 A(0-3') except soil matrix is moist.

TU/5/12/98 Cuddy, Feder, Worby / Harrison

GP-12C (6-7' BLS) Rec 20% PID 0.0ppm Time 17
Moist, Silty Sand w/ Gravel.
Gravel comprises 40% of soil mat.
Odor - ~~Oil~~ Unknown / unidentifiable
Wood fragments comprised 20% of matrix

GP-13
A(0-3') Rec % PID 0.0ppm Time 1717
Same description as GP-12C except dry.

B(3-6') VOID ENCOUNTERED
- No Recovery

C(6-7') - Rec 100% PID 0.0ppm Time 1723
Top 6" Wet Sandy clay, sand-med grained
High plasticity, Med brown
Bot 6" Moist. Fine to coarse Sand with gravel. Color med brown and dk brown/black; Gravel comprises 30% of matrix

TC/5/12/98 Cuddy, Feder, Worby/Harrison

GP-14

attempt ① Refusal @ 1' BLS

attempt ② Refusal @ 3' BLS

A (0-2') Rec 50% PID - 0.0ppm & Time 1754

Same description as GP-13 C (6-7')

But 6" except that soil color is red brown & soil matrix is relatively dry.

GP-15 A Rec 60% PID 0.0ppm Time 1809

attempt ① Refusal @ 2' BLS

attempt ② Refusal @ 2' BLS

Same description as GP-14A

- All boreholes were abandoned by backfilling using #2 Gravel pack to 6" bls followed by 3 to 4" of bentonite chips and surfaced with asphalt cold patch

- Due to the unusual virtually complete absence of VOCs, the PID was periodically tested through the day to ensure that it was continuing to operate properly

- ADT offsite @ 1900
- ERM offsite @ 2015 / FedEx NY @ 2100 / Office 2225 hrs

Tu 5/26/98 500 Mamaroneck Ave Assoc / Harrison.

ERM started @ 0630 hrs / on-site at 0800

ADT on-site @ 0800 w/ truck mounted GeoProbe.

Discussed work scope w/ ADT and toured drilling areas. Due to extremely heavy precipitation during previous couple of days the drilling areas in front of the building are relatively soggy. As such will start @ GP-16 to allow for further drying time at Insurance

Contacted John Stillgebauer who indicated all was in order relative to Certificate of Insurance for ADT.

Set up @ GP-16.

Joe Thomas came to drilling area to discuss work scope. Indicated that he did not want GeoProbe Truck to drive over any underground utilities in front of the building.

TJ/5/26/98 500 Mamaroneck Ave Assoc / Harrison
- 1454.001

I indicated that the GeoProbe truck would likely not be able to ascend the slope up to the ~~well~~ boring location with the most conditions at present, and that the specific lines he is concerned with, ~~are~~ water / sewer are likely ≅ 4' BLS (to be below the frostline) and 12' BLS (based on observation of the discharge trap). Never-the-less, he requested that we do not cross the building frontage.

Contact Greg Shpuda to discuss. Decided to remob on a different day with manual equipment - Fixed + Split barrel samplers. Arranged.

Though Joe Thomas considers this to be a failure on the Underground Utility Locating Service, because they did not markout the entire utility runs. I indicated that their work scope was limited to check individual locations only.

To maximize costs, decided to take samples at the 3 location where Joe Thomas has no concerns (GP-16, 20, 21)

Tue/5/26/98 500 Mamaroneck Ave / Harrison
- 1454.001

GP-16A

attempt 1 Refusal @ 26" BLS Time 0937
attempt 2 Refusal @ 19" BLS Time 0959
attempt 3 Refusal @ 22" BLS Time 1016
attempt 4 Refusal @ 22" BLS Time 1107

A (0.25 – 2.0) Rec 100% PID 0.0 ppm Time 0937
Sandy Silt with Trace Gravel; Sand components are fine to med grained. Gravel is subrounded, Color - Dark Brown. Matrix contain approx 5-10% wood splinters

GP-21A (0 – 9') Rec 80% PID 0.0 ppm Time 1153
Silty Sand with little Gravel. Gravel is subrounded to subangular & ranges to 25cm; Dark brown; Sand components are fine (60%), med (20%) ~~grained~~ coarse (10%).

GP-21B (3 – 7') Rec 60% PID 0.1 ppm Time 1159
Silty Sand with little Gravel; Sand component is med grained; Gravel is subrounded & ranges to 1.5 cm in size; Color - med dark brown; Soil matrix is dryer than previous interval.

Tu/5/26/98

500 Mamaroneck Ave Assoc / Harrison

GP-21C (7-10') Rec 95% PID 0.0 ppm Time 1207
Soil description is the same as GP-21B (3-7' BLS)

Mob to GP-20. Due to a visual change in landscaping requested Joe Thomas confirm that boring location was actually part of the subject property. He indicated that it was in an easement area, but to proceed w/ drilling

GP-20A (0-3') Rec 80% PID 0.1 Time 1250
Silty Sand with ~~little~~ some Gravel; Sand component are very fine to medium grained (50%). Gravel is subrounded to angular and ranges to 2.0 cm in size; Color - Dark brown. Soil matrix is moist.

GP-20B (3-5.5') Rec % PID 0 ppm Time 1305
Soil description is the same as previous interval for this drilling location (GP-20A (0-3' BLS)

ADT decontaminated downhole tool & began breakdown of drilling equipment

Tu 5/26/98 500 Mamaroneck Ave Assoc./Harrison
-1454.001

ERM & ADT offsite @ 1340 hrs

All samples collected have been preserved with ice and will be retained until remaining 3 borings can be completed. At that time samples will be forwarded to Brent Mongillo for PCB immunoassay testing

Returned to office @ 1510 hrs

W/5/27/98 500 Mamaroneck Ave Assoc / Harrison

GP-17A (0-2' BLS) BC 3,3,4,5 Rec 60% PID ppm Time 1256
Top 8" Same description as GP-19B (2-4')
Bottom 8" Same description as GP-19C (4-6') Bot 7"

GP-17 B (2-4' BLS) BC 5,6,7,9 Rec 60% PID ppm Time 1304
Top 6" Moist Silt, Compact, Color - Med brown odorless.
Bottom 9" Dry Silty ~~Sand~~ w/ ~~Some~~ little gravel; ~~Same~~ description as GP-19C (Bot 7")

GP-17 c (4-6' BLS) BC 4,5,5,6 Rec 20% PID ppm Time 1316
Sandy Silt w/ Some Gravel; Sand components compose 5% of soil matrix and are fine to med grained; Gravel is angular to subangular and ranges to 3 cm; Color - Med/Dark brown.

GP-17D (6-8' BLS) BC 12,11,10,9 Rec 20% PID ppm Time 1324
Same description as GP-17C

GP-17E (8-10' BLS) BC 7,10,10,10 Rec 15% PID ppm Time 1330
Same description as GP-17C
Refusal @ 9.0' BLS

Sample ID GP-17 A/B (0-3' BLS) @ 1304
GP-17 B/C (3-6' BLS) @ 1316
GP-17 D,E (6-10' BLS @ 1330

w/5/27/98 500 Mamaroneck Ave Assoc. / Harrison, NY

GP-18A (0-2'BLS) BC 3,6,6,8 Rec 60 % PID ppm Time 1144
Same description as GP-19A except soil matrix is very dry.

GP-18-B (2-4'BLS) BC 7,8,8,12 Rec % PID ppm Time 1152
Top 8" Same description as GP-18A (0-2')
Bot 8" Very Fine Sand w/ little Gravel; Gravel is subrounded to angular and ranges to 2.5 cm; Color light red brown, Odorless.

GP-18C (4-6'BLS) BC 3,3,2,2 Rec 40 % PID ppm Time 1159
Top 6" Same description as GP-18B (2-4'BLS) Bot 8"
Bottom 8" Same description as GP-18B (2-4'BLS) Bot 8" except Color is dark brown

GP-18 D (6-8'BLS) BC 8,8,7,6 Rec 40% PID ppm Time 1210
Very Fine sand w/ some Gravel; same description as GP-18C (Bottom 8) except for gravel content.

GP-18 E (8-10'BLS) BC 6,8,9,10 Rec 50% PID ppm Time 1223
Same description as GP-19 D (6-8'BLS)

Sample ID : GP-18 A/B (0-3'BLS) @ 1152
GP-18 B/C (3-6'BLS) @ 1159
GP-18 D,E (6-10'BLS) @ 1223

wp/27/98 | 500 Mamaroneck Assoc / Harrison

GP-19A (0-2') BC 2,2,2,2 Rec 60% PID 0 ppm Time 1005
Silt with little Gravel; Gravel is angular to subangular; Color - Med/Dk brown; Odorless; Soil matrix is moist

GP-19B (2-4' BLS) BC 6,7,7,7 Rec 30% PID 0 Time 1008
Moist Clayey Silt with Gravel; ~~Trace Clay~~ Trace Clay; little Gravel; Gravel is subangular to angular & ranges to 2cm in size; Color: Dk brown; Odorless

GP-19C (4-6' BLS) BC 7,7,8,11 Rec 50% PID 0 ppm Time 1015
Top 5" same description as 19B
Bot 7" Sandy silt w/ little Gravel and Rock fragment; Gravel content is subrounded to angular; Rock fragment due to cobble pulverized by the sampler; Med/dk brown; Odorless

GP-19D (6-8' BLS) BC 30,11,7,6 Rec 10% PID — ppm Time 1026
Fine to little Coarse sand w/ little Gravel and Rock Fragments; Rock Fragments due to pulverized by sampler; Color - Grayish brown; Odorless; Matrix very dry

W/5/27/98 500 Mamaroneck Ave. / Harrison

GP-19E (8-10' BLS) BC 10,11,16 Rec 10% PID - ppm Time 1038
Medium to Coarse Sand w little Gravel.
Sand primarily medium grain sized (75%).
Gravel is subrounded to angular and
ranges to 1.5 cm; Color: med brown;
Odorless.

Note due to the minimal recoveries of
the 19C & D intervals, an addition sample
was collected from 10-12' BLS to provide
sufficient sample volume to accommodate
the entire suite of analyses

GP-19F (10-12' BLS) BC 6,8,8,9 Rec 20% PID 0 ppm Time 1109
Wet: Clayey Silt with some Gravel; Gravel
is subrounded to subangular & ranges to
1.5 cm. Clay comprises 5-10% of soil matrix;
Color: Med dark brown; Odorless
Sample interval contains glass & metal shards

Sample ID	Time
GP-19 A/B (0-3' BLS)	1008
GP-19 B/C (3-6' BLS)	1026
GP-19 D/E/F (6-12 BLS)	1109

W/5/27/98 500 Mamaroneck Ave Assoc/Harrison

ADT broke down + ~~off~~ loaded equipment to vehicle / Offsite @ 1400 hrs

ERM offsite @ 1440 hrs/
FedEx - Westbury @ 1615 hrs.
Office @ 1640 hrs.

C

APPENDIX C

Field Notes – May 1999 - July 1999

W/5/12/99 500 Mamaroneck Assoc. / Harrison

ERM started @ 0615 hrs. On-site @ 0704
(1 way mileage from office 41 mi)

NAEVA on-site upon arrival
Crew: Tom Hogg, Rob Gimpel, John Benagin (Rob is supervisor)
Equipment: Support trucks (2)
Pulse Ekko - GPR (Mar. Sensors + Software)
Noggin - GPR (Sensors + Software)

Coordinated with facility maintenance contacts Bill Bozofsky (manager) and and John Stillgebauer (facility expert)
- Discussed work scope and assured them that no intrusive work to be implemented
- provided them with Certificates of Insurance for ERM + NAEVA

NAEVA crew set up equip and layed out the data grid. Discussed work scope and objectives.

W/5/12/99 500 Mamaroneck Ave Assoc.

Identified work areas as:

AOC-1 near North property entrance
AOC-2 northeast corner of N parking lot
AOC-3 southarea of south parking lot
AOC-4 west of building

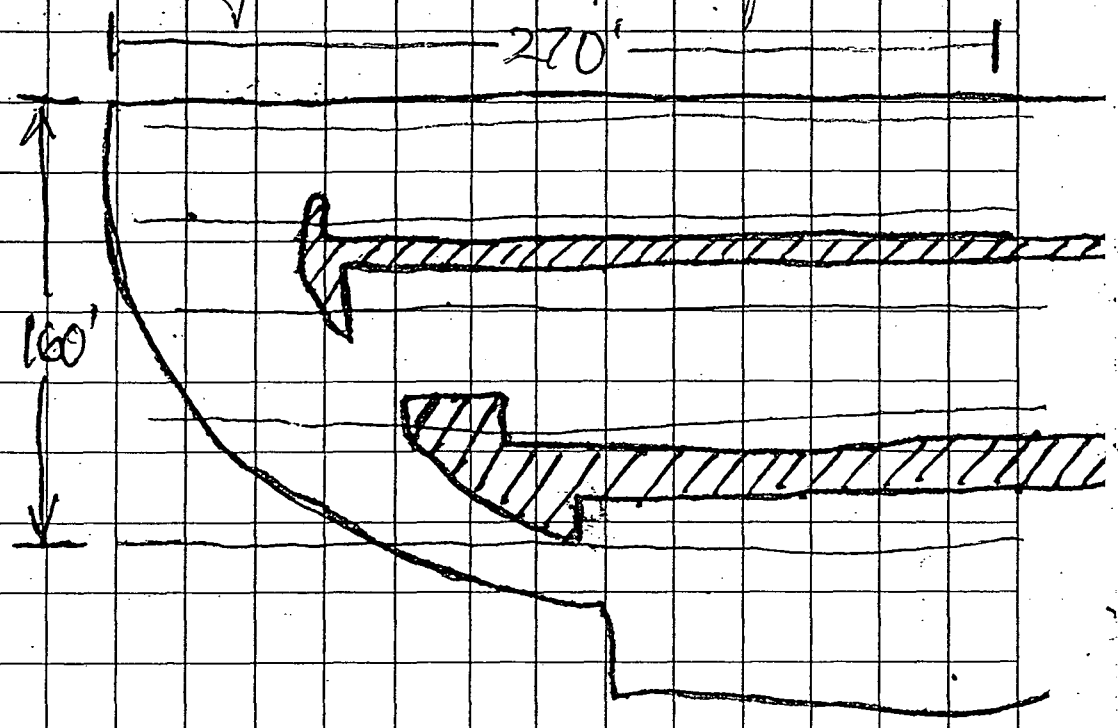
AOC-2 (northeast parking area)

- Pulse-Ekko to be implemented in parking areas
- Noggin to be implemented in landscaped areas
- linear measurements/geometry to be used to ascertain approx. cross-sectional dimensions at specific nodes along berm.
  - separate sheets to be used for maps of each AOC

Setup of equipment and layout of data grid continued until 1030 hrs.

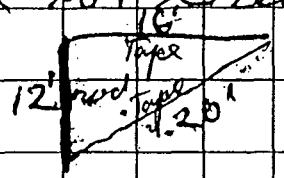
W/5/12/99 500 Mamaroneck Assoc.

Data grid set up as follows



- 5 GPR continuous data input runs

- To get berm dimensions used measuring tape ~~to~~ and a solid rod to create a right triangle



- Pulse Ekko equipment is malfunctioning due to possible low battery of "fast-hirt" cable connector. Tried to [illegible]

w/5/12/99 500 Mamaroneck Assoc

the battery, but no effect.
Equipment disassembled by 1330hrs

- Nogin appears to be giving good data according to R. Simpson (equip operator)

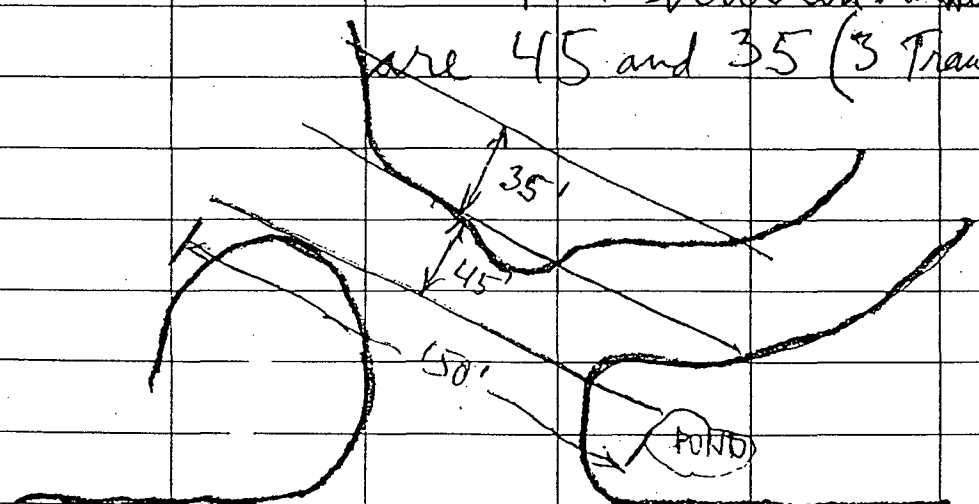
- GPR operations for AOC-2 concluded @ 1330 hrs.

- Moved to AOC-1 work area

AOC-1

Layed out data grid as follows:

- Data line length - 150'
- " " width between transects, are 45 and 35 (3 Transects



W/9/12/99 500 Mamaroneck Ave Assoc

Completed data grid runs using the Noggin GPR instrument

Rob Gimpel indicated that he would like to work on the Pulse Ekko GPR after returning to the office to get it functioning properly. (2nd problem w/ Pulse Ekko was that the laptop (in-line) was not getting power

- Following repairs, he would like to implement Pulse Ekko at the AOC-1 data grid and 1 or 2 data lines at the AOC-2 grid for confirmatory purposes

Demobed on ERM/NAEVA offsite @ 1515 hours.

Returned to ERM warehouse to get surveying equipment for berm measurements. Time 1700 hrs.

TH/5/13/99 500 Mamaroneck Ave Assoc.

ERM started @ 0615 hrs / Onsite @ 0700 hrs

NAEVA already onsite @ AOC-1 and setting up Pulse Ekko (PE) equipment for confirmatory data runs.

Discussed data generated the previous day with Rob Gimpel. He indicated:
- a review of the data collected from AOCs-1 & 2 yielded (largely) indeterminant results using the Noggen.
- He is very interested in seeing data produced by the, now repaired, Pulse Ekko GPR equipment

Started AOC-1 confirmatory grid run @ 0725 hrs.

Note: If data produced is still inadequate to discern bedrock topography, I indicated that we may want to consider discontinuing its use

AOC-1 Rob reports PE-GPR giving good data set.

T&E/5/13/99 500 Mamaroneck Ave Assoc.

Mobed to AOC-2 @ 0830 to re-run data grid for confirmatory purposes using PE-GPR.
Rob reports that significantly better data is being generated w/ PE-GPR than was collected previously using the Noggin.
Data collection completed @ 1030 hrs.

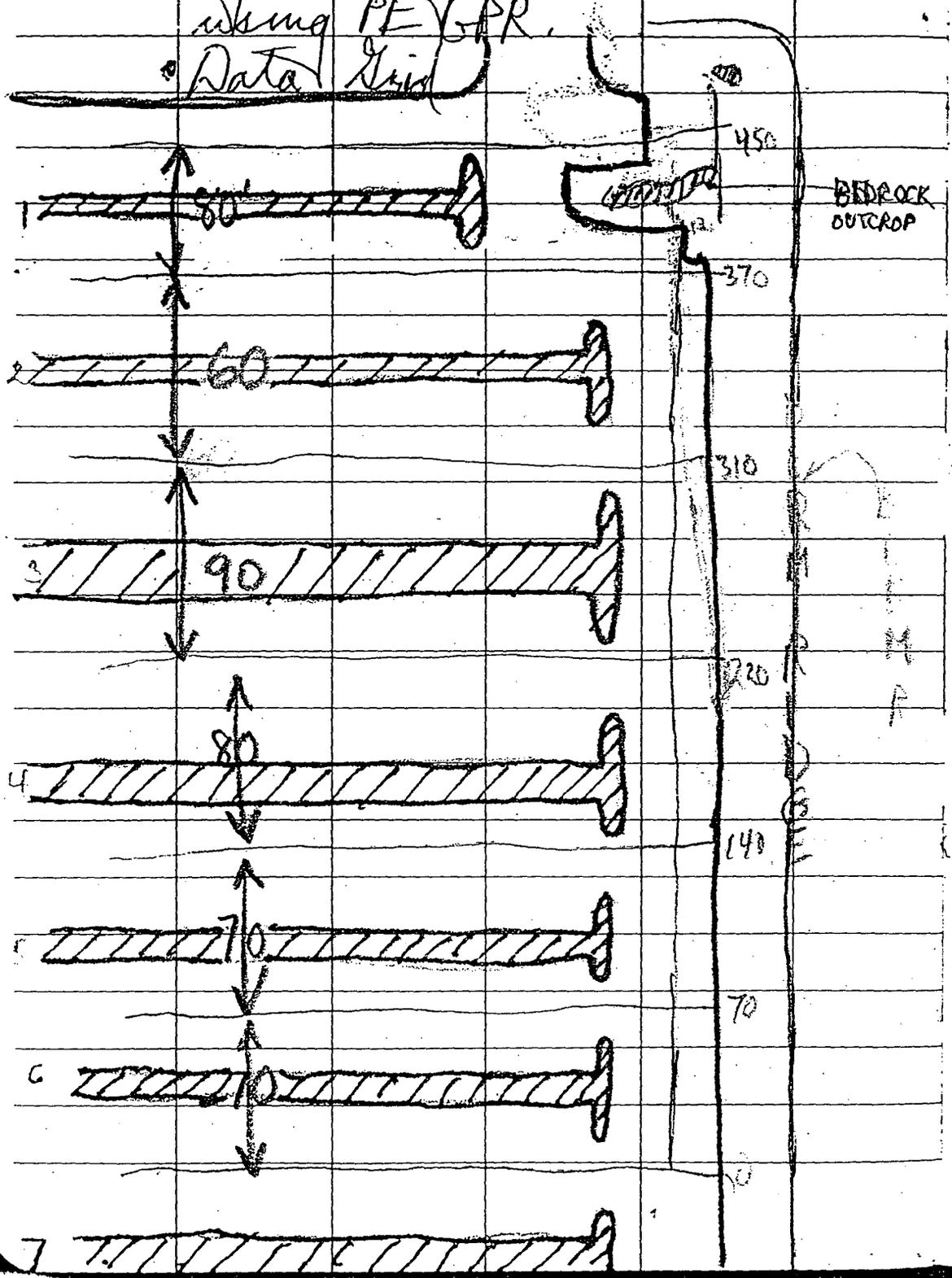
2 Crew members started laying out data grid for AOC-3 @ 0845 hrs.
Completed layout @ 1000 hrs.

Bill Borofsky requested meeting @ 1000 hrs.
Met him to discuss work schedule.
He wanted assurance that no work would take place after F/5/14/99 without new agreement being put in place. I concurred.
He indicated that W&H Management had concerns about agreement w/ Schulman & fieldwork not about how work was being conducted, but what work was being conducted

TH/5/13/99 500 Mamaroneck Ave Associates

AOC-3

- began equipment setup @ ~1030hrs
- began data grid runs @ 1105 hrs using PE GPR.
- Data Grid



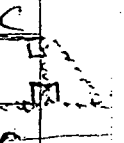
TH/5/13/99 500 Mamaroneck Ave Assoc

Completed 4 of 7 runs and began to have equipment failure due to low battery levels. Batteries were charged overnight

- PE-GAR equipment down @ ~1135 hrs
- 2 crew offsite to buy new battery for unit @ 1210 hrs + returned @ 1330 hrs.

Took 10 min lunch

Berm Cross-section measurements



	HEIGHT	A	B	C		H	A	B	C
0	5.0	8	8	28	260	13.5	24.5		
20	6.2	9.5	12.5	29.0	280	13.5	23.0	26.5	16.0
40	7.5	12.0	14.0	30.0	300	13.5	23.0	25.5	15.0
60	8.5	13.0	15.0	26.5	320	13.5	22.0	25.5	14.0
80	8.5	13.0	14.5	26.0	340	13.5	22.0	24.5	10.5
100	9.0	14.0	16.5	22.0	360	13.5	23.0	26.0	11.0
120	9.0	13.0	17.0	15.7	380	13.0	23.0	26.5	9.0
140	9.5	15.5	19.0	15.5	400	12.5	25.0	26.5	10.0
160	10.5	16.0	20.0	14.0	420	12.5	23.0	25.0	11.5
180	11.0	17.5	21.5	16.0	440	11.5	23.0	25.0	11.0
200 TH ↑	11.0	18.5	24.0	17.0	460	11.5	25.0	23.0	11.0
220 ↓	13.0	22.0	25.0	18.0					
240 RF	13.5	23.5	25.5	18.0					

* Note: Berm slope is even (approx) on both sides + height

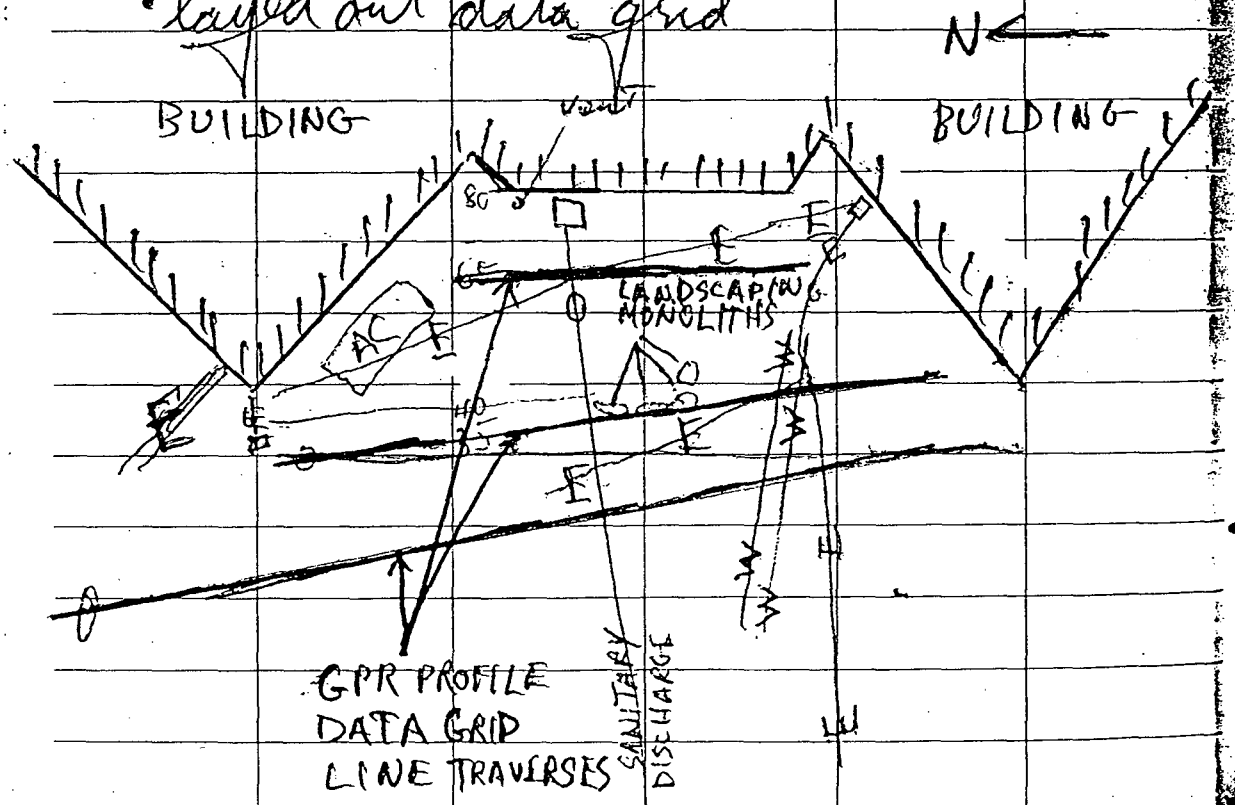
TH/5/13/99 500 Mamaroneck Ave Assoc

AOC-3 (continued)

- Finished 3 N→S data grid line runs and 1 west to east confirmatory grid line approximately mid-way through the south end connector lane.
- Only use PE-GPR @ this location
- Demobed from AOC-3 @ 1445 hrs

AOC-4 = Mobed to AOC-4 @ 1450 hrs.

- layed out data grid



TH/5/13/99 500 Mamaroneck Ave Assoc.

AOC-4 is cluttered with underground utilities. NAEVA is marking them out with paint, flags and stakes to ensure some trace of the markouts is visible when subsequent work scope tasks are implemented.

Discussed deliverables w/ NAEVA personnel @ conclusion of work tasks. Additionally discussed how down-time of equipment on 5/12 & 13 would be addressed on invoice.

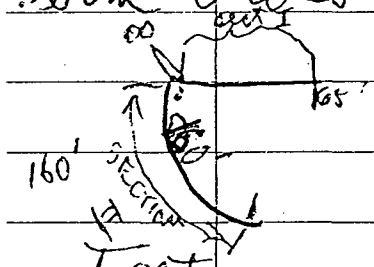
ERM/NAEVA offsite

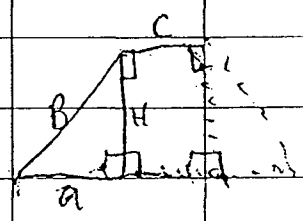
F/5/14/99 500 Mamaroneck Ave Assoc.

ERM started 0615 hrs / Onsite @ 0700
NAEVA on-site @ ~0645 hrs. Setting up equip.

Discussed data collected at AOC-4 on TH/5/13/99 w/ Rob Gimpel. He indicated data was inconclusive that the PE-GPR used was the best tool for the job.
∴ No reruns of that grid to be done

NAEVA begins utility location markouts @ 0730 hrs.
Berm Cross-Section @ AOC-2





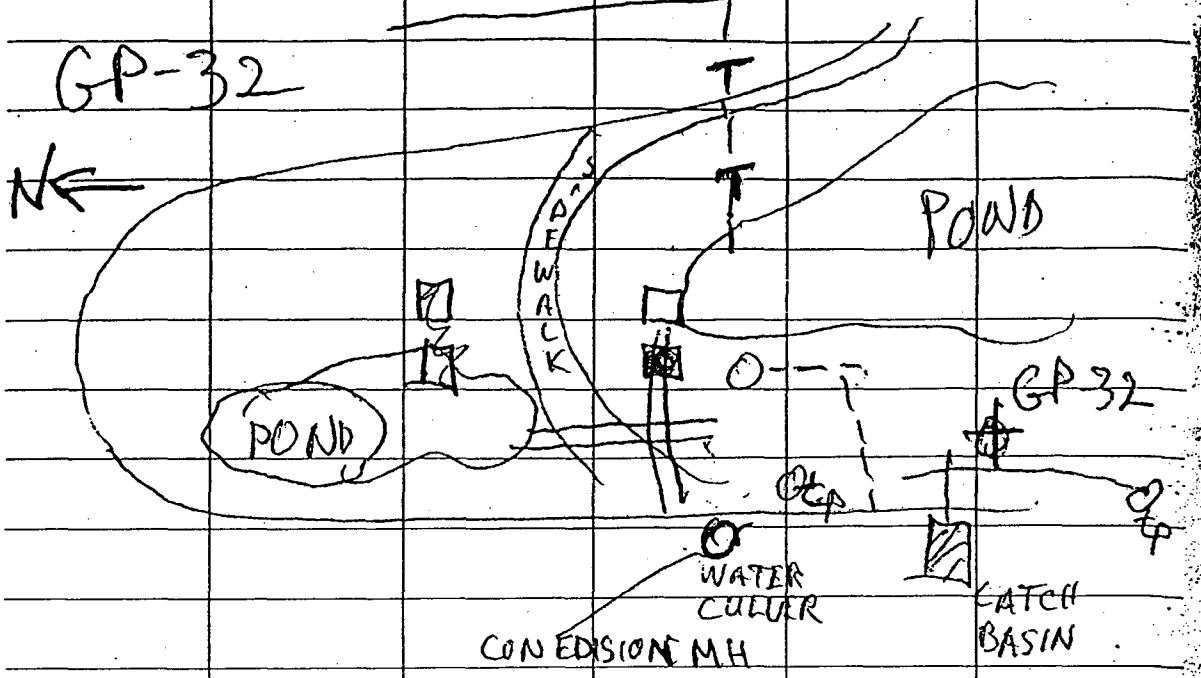
section 1

	H	A	B	C
0	12.5	23.0		~18
20	12.5	20.5		16
40	12.5	20.5		14
60	12.0	19.5		13.5
80	12.5	22.0		13
100	13.0	22.5		13
120	14.5	25.0		11
140	15.0	26.0		11
160	16.5	26.5		11
180	BEDROCK OUTCROP			

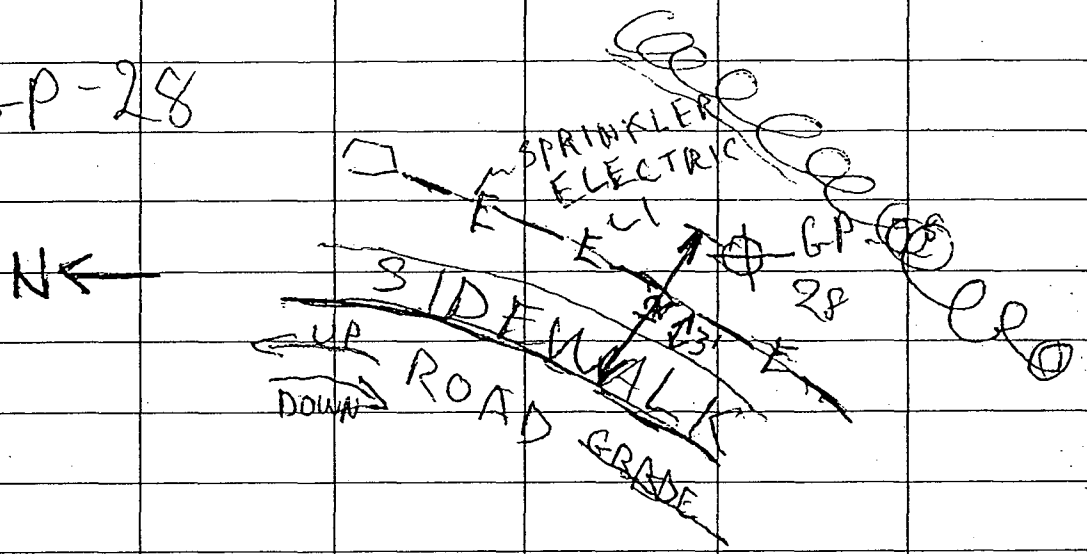
← BEDROCK OUTCROPPING BEGINS AT 155

F/5/14/99 500 Mamaroneck Ave Assoc

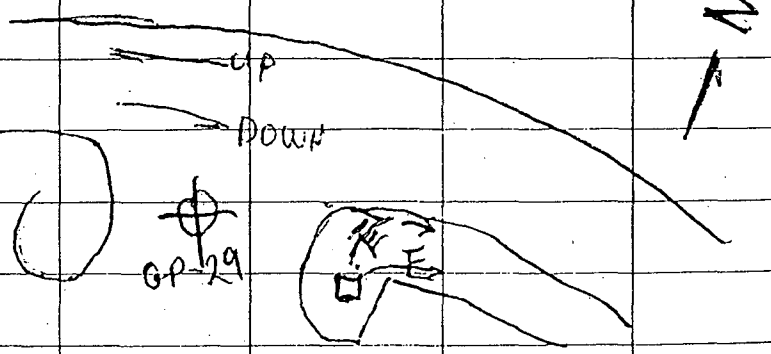
GP-32



GP-28

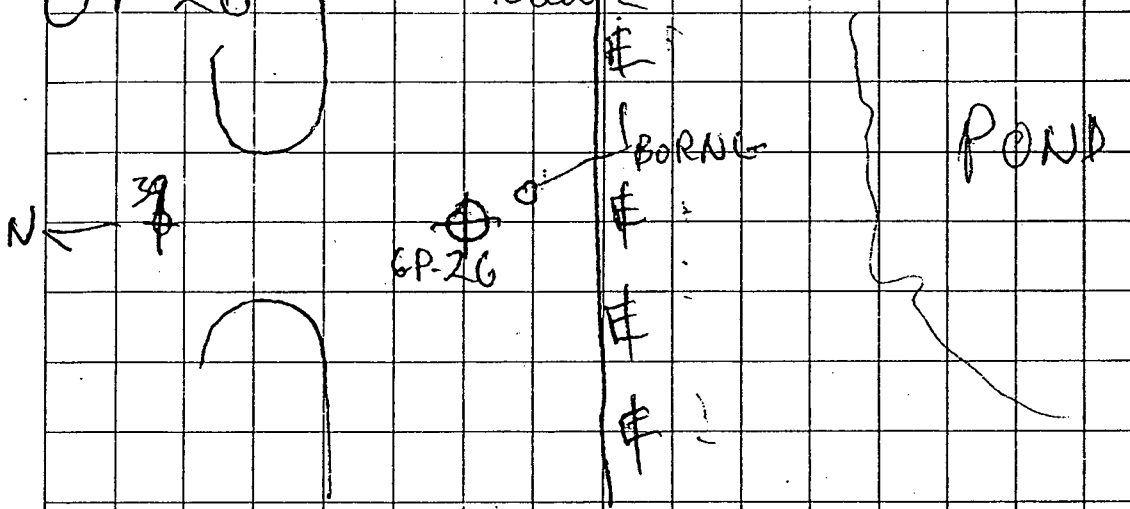


GP-29 All Clear

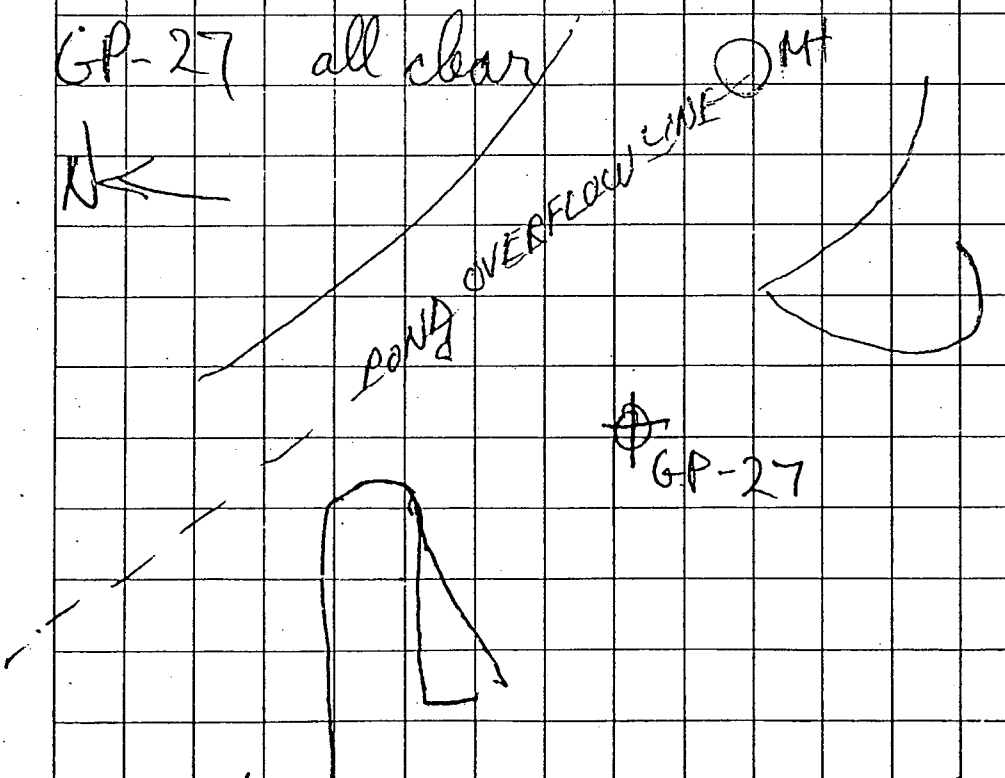


F/5/14/99 500 Mamaroneck Ave Assoc.

GP-26 - all clear



GP-27 all clear



ERM/NAEVA completed work scope and exited site @

N/7/7/99 500 Mamaroneck Assoc.
- 1454.001.3
- Supplemental Investigation

ERM started 0630 / onsite @ 0834 hrs.
Mike Feldman Conesco onsite @ 0800 hrs.
Tradelands onsite @ 0930 hrs (contacted Jim (operations manager) @ 0700 & found they were having mechanical problems & would be late)

Coordinated with Bill Borofsky & John Stillgebauer regarding underground utilities. John S. indicates only utilities are electrical lines for lighting which run below parking lot islands.

Greg Sklenka onsite @ 0935 hrs. Indicat water analyses from pond supply well and 3 ponds. Grab sediment from pond bottoms
- No MS/MSD
- Do a DUPLICATE
- 652-6412 cell #

Setup until 10:30 hrs

w/ 7/7/99 500 Mamaroneck

GP-38A (0-2') (23) 1035 hrs PID 0.0 Rec 100%
Silt; med brown, dry

B (2-4') (28) 1038 hrs PID 0.0 Rec 100%
Silt w/ Trace Gravel; gravel <1cm, med brown, dry.

C (4-6') (24) 1043 hrs PID 0.0 Rec 100%
Same as A interval

D (6-7.5') (25) 1047 hrs PID 0.1 Rec 100%
Same as A interval except refusal @ 7.5' BLS

GP-45A (0-2') (18) 1104 hrs PID = 0.0 100% Recover
Silt w/ Rock Fragments, and nickles of weathered bedrock

B) (2-2.5') - Insufficient volume for valid sample
1106 hrs PID 0.0 5% Rec
Refusal @ 2.25' BLS

11/7/99 500 Manasoneck

GP-44A (0-2') (17) 1137 hrs PID 0.0 Rec 100%
Silt w/ Bedrock Fragments, drk brown/black; dry; Refusal @ 2' BLS
(2 previous attempts 30' N + 54' W of this location w/ 6" to refusal ea.)

GP-43A (0-2.5') (27) 1145 hrs PID 0.0 Rec 100%
Same description as 45A-B
Refusal @ 2.5' BLS

GP-39A (0-2') (20) / MS (30) / MSD (29) → DUP-1 selected because PAH has detections sufficient PID 0.0 Rec 100%
Silt w/ some bedrock fragments. Color drk brown to black, contain glass frags

B (2-4') (20) 1232 hrs PID 0.0 Rec 70%
Same description as A interval

preselected Trans 0900
C (4-6.5') (21) / (DUP-1) (16) 1154 hrs PID 0.0 Rec 50%
Same description as A interval except moist

11/7/99 500 Mamaroneck

GP-42 A (0-2') ⑧ 1420 hrs PID N.R. Rec 55%
Silt w/ Trace Med/Coars Sand + Rock fragments, med brown, contains glass fragments

B (2-4') ⑧ 1425 hrs PID N.R. Rec 25%
Insufficient volume recovered for discrete sample ∴ combined with next depth interval (4-6)

C (4-6') ⑧ 1431 hrs Rec 85%
Sandy Silt w/ Little Sand (med to coarse) and rock fragments

* Hit refusal at 5 locations at varying depths to 6' BLS

GP-41 A (0-2') ⑬ 1453 hrs Rec 90%
Same description as 42 C (4-6')

41 B (2-4) 1456 hrs Rec 40%
Same description as 42 C (4-6')

41 C (4-5.5) 1523 hrs Rec 35%
Same description as 42 C (4-6')
Refusal @ 5.5' BLS
Composited 41 B & C to create 1 sample because each had insufficient volume for a discrete sample

W/7/7/99 500 Mamaroneck

Field Blank-1 collected @ 1516 hrs using acetate liner.

GP-40 A (0-2) (01) 1534 hrs Rec 80%
Sandy Silt w Rock Fragments, some Sand med-coarse, med brown

B (2-4) (03) 1537 hrs Rec 60%
Same description as "A" interval

C (4-6) (06) 1543 hrs Rec 100%
~~Silt~~, Same description as 42A, med/dk

D (6-8) (09) 1548 hrs Rec 95%
Sandy Clay, moderate plasticity, dk brown

E (8-10) (12) 1552 hr Rec 95%
Same description as interval D

F (10-11.5') 1559 hrs Rec 70%
Same description as 42C
Refusal @ 11.5 BLS

W/7/7/99 500 Mamaroneck

GP-47A (0-0.5') (02) 1621 hrs Rec 30% (x2)
Sandy Silt w/ Rock Fragments, med brown dry. Refusal @ 3 separate locations (noted on map) @ 6" BLS

GP-46A (0-2.5') (03) 1655 hrs Rec 70%
Same as 47A

Greg Shkvda indicated that, based on bedrock outcropping/occurrence, borings GP-23 + 24 can be eliminated from the workscope.

Prepared Chain of Custody documentation until 1930 hrs

Arranged sample shipping thru Airborne Express w/ "Bill Recipient" until 2015 hrs.

ERM offsite @ 0815 hrs. Returned to WH to resupply. Left WH @ 2215 hrs.

7/8/99 500 Mamaroneck

ERM/Trade-Winds on-site @ 0700 hrs

Mrs Feldman onsite (Coneco) @ 0745 hrs

Contacted & left message for Paul Hobart (STC) to accept Cooler from Airborne Express send indicating "Bill Recipient"

GP-22A (0-2') HELD 0754 hrs PID 0.0 Rec 90%
Sandy Silt w/ Rock Fragments; Sand is fine to

B (2-4') DUP-2 HELD 0700 0921 hrs PID 0.0 Rec 70%
(22) (11)
Same description as interval A

Collected Field Blank-2 @ 0840 hrs

GP-22 boring required approx 25 attempts to collect to 4' BLS 20 of the attempts met refusal @ 42.5' BLS

GP-25A (0-2.5') 1004 hrs PID 0.0 Rec 100%
Sandy Silt w Gravel + Rock fragments drk brown, Sand is fine to coarse. Refusal @ 2.5' BLS

11/7/99 500 Manaroneck

GP-27 A (0-2') 1018 hrs PID 0.0 Rec 70%
Same description as 25A

B (2-4') 1023 hrs PID 0.0 Rec 90%
Silty Sand w/ Rock Fragments med brown Sand is fine to med grained & comprises 60% of soil matrix
Refusal @ 4' (2 borehole attempts)

GP-26 A (0-2') 1049 hrs PID 0.0 Rec 90%
Same as 27B

B (2-3') 1056 hrs PID 0.0 Rec 30%
Refusal @ 3' BLS. Same as 27B
Composited A/B into one sample
(2 Borehole Attempts)

GP-29 A (0-2') 1114 hrs PID NR
2 borehole attempts (Refusal @ 2' BLS
Same description as 25A

GP-28 A (0-2') 1141 hrs PID NR Rec 75%
Same description as 25A

B (2-4') 1151 hrs PID NR Rec 40%
Same description as 25A

C " 1157

TH/7/8/99 500 Mamaroneck Ave Assoc.

GP-34A (0-2') 1339hrs Rec. 55%
Same as 32A
B) (2-4) 1341hrs Rec 40%
Same as 32B
No Sample C (4-4.5') 1346hrs Rec 30%
Saturated Sand w Gravel. same as 32B
Insufficient material for sample collection as the matrix is mostly gravel
- Refusal on 2 attempts @ 4.5' BLS

GP-30A (0-2')/DUP/MS/MSD
1449hrs Rec 80% (5)

Refusal @ 2' BLS
Sandy silt w/ Granules, Gravel and rock Fragments

ERM/TradeWinds/Coneco offsite @ 1515hrs

Woodbury @ 1600 hrs
- LYMRIX Vacination #2 1600-1645 hrs.
Completed C of C + Sample Shipment Prep 1745-1910hrs

#1 / 7/9/99 500 Mamaroneck Ave Assoc.

ERM/TradeWinds onsite @ 0700 hrs
Mike Feldman onsite @ 0720 hrs

GP-36A (0-3') / MS/MSD/DUP-0700 0730 hrs PID 0.0 Rec 100% (x6)
Refusal @ 3.0' BLS
Sandy Silt w/ Artificial Debris; sandy gravel
Sand component is fine/med grained + comprises 10% of matrix. Debris includes glass, wood, plastic, metal, ceramics; dark brown

Collected field blank-3 from acetate sample collection barrel @ 0756 hrs

GP-37A (0-2') 0814 hrs PID 0.0 Rec 50%
Silt with ~~Trace~~ little Gravel and Artificial Debris (debris same as 36A but to much lesser extent) - same descr. as 36A except above noted

B (2-4') 0820 hrs PID 0.0 Rec 90%
Silt same description as 37A except color medium brown

C (4-6') 0825 hrs PID 0.0 Rec 80%
Same as 37B

D (6-7.5') 0831 hrs PID 0.0 Rec 50%

F 7/9/99 500 Mayaroneck Ave, Associates

- is moist, black and has an undefinable odor

GP-31 C (4-6') 1112 hrs PID 0.0 Rec 85%

- Same as 31B except the moist black silty material is more prevalent in sample and the undefinable odor is stronger sample also contains material that looks like "cold patch" asphalt

GP-31D (6-8') 1119 hrs PID 0.0 Rec 45%

- Moist Silty Clay w/ Trace fine sand, Little Gravel and Little Artifical Debris (Glass, metal, wood)
- Insufficient recovery for a discrete sample

F (8-10') 1128 hrs PID 0.0 Rec 15%

Moist Sandy silt w/ Little Gravel and trace artifacial Debris, med to med/dark brown
- Insuffient recovery for a discrete sample, No odor

F (10-13') 1033 hrs PID 0.0 Rec 30%

- Saturated Gravel in a Silty Sand Matrix Gravel subangular to angular & comprises 70% of matrix light/med brown

No Refusal, Stopped sampling due to penetration

F/7/9/99 500 Mamaroneck Ave Assoc

GP-48 A (0-2') 1112 hrs PID 0.0 Rec: 70%
Sandy Silt w/ little Gravel, sand fine grained, Color - med/drk brown

B (2-4') 1223 hrs PID 0.0 Rec 80%
Top 15" Fine Sand, Med Brown
Bot 7" Silty Clay w/ Gravel, drk brown
Trace Artificial Debris

C (4-6) 1227 hrs PID 0.0 Rec 90%
Same as 48B (Bot 7") except 10% of matrix contains globules of rubbery substance which is ~~highly~~ moderately plastic, black & odorless. Segregated mat'l from sample and containerized in a 40 ml bottle

Aqueous Samples
- Collected Supply Well @ 1425 hrs w/ Aqueous Duplicate (1800 hrs) @ this location

- Collected Upper Pond Water Sample @ 1439

Report. V00213. 2002-00-01.
Site investigation

FILE COPY

ENVIRONMENTAL RESOURCES MANAGEMENT

SUPPLEMENTAL FINAL SITE INVESTIGATION REPORT

500 Mamaroneck Avenue
Harrison, New York

June 2001
Revised June 2002

RECEIVED
JUL - 1 2002
BUREAU OF EASTERN
REMEDIAL ACTION

Prepared for:

500 MAMARONECK AVENUE ASSOCIATES
500 Mamaroneck Avenue
Harrison, New York

Prepared by:

ENVIRONMENTAL RESOURCES MANAGEMENT
520 Broad Hollow Road
Suite 210
Melville, New York 11747

ERM®

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ENVIRONMENTAL RESOURCES MANAGEMENT
520 Broad Hollow Road
Suite 210
Melville, New York 11747

X8101.00.1280

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Appendix C *Field Notes*

LIST OF ACRONYMS

bgs	below ground surface
BaP	Benzo[a]Pyrene
CaPAH	Carcinogenic Polynuclear Aromatic Hydrocarbon
CFR	Code of Federal Regulations
DFWMR	Division of Fish and Wildlife and Marine Resources
DUSR	Data Usability Summary Report
ERM	Environmental Resources Management
LEL	Lowest Effect Level
MAA	Mamaroneck Avenue Associates
mg/kg	milligrams per kilogram (parts per million [ppm])
mg/L	milligrams per liter (ppm)
NYSDEC	New York State Department of Environmental Conservation
PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
RAWP	Remedial Action Work Plan
RBC	Risk Based Concentration
RSCO	Recommended Soil Clean-up Objective
SEL	Severe Effect Level
SOP	Standard Operating Procedure
STL	Severn Trent Laboratories
SVOC	Semi-Volatile Organic Compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOC	Total Organic Carbon
TOGS	Technical and Operational Guidance Series
ug/kg	micrograms per kilogram (parts per billion [ppb])
ug/L	micrograms per liter (ppb)
USEPA	United States Environmental Protection Agency
VCA	Voluntary Cleanup Agreement
VOC	Volatile Organic Compound

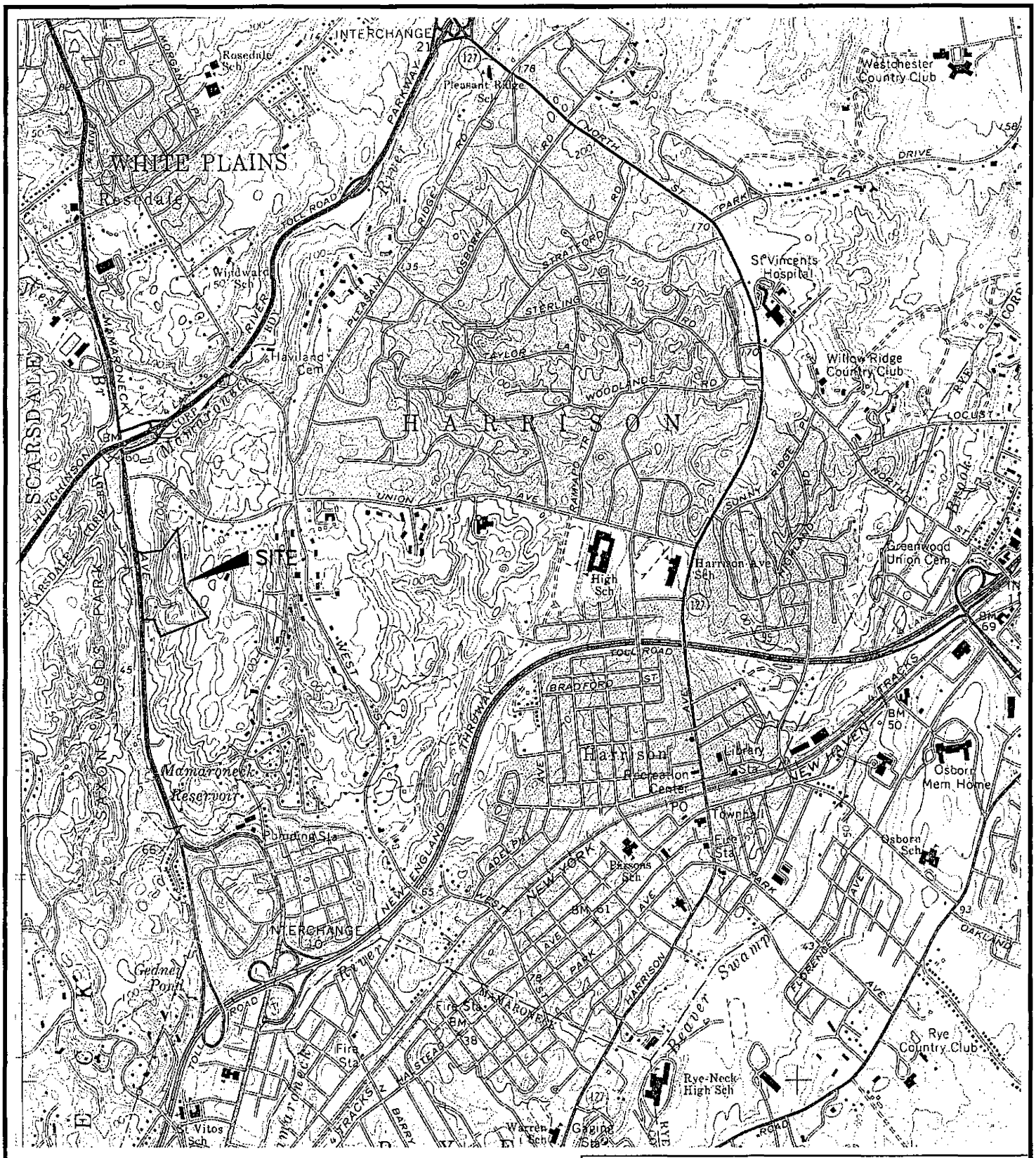
Section 1

1.0 *INTRODUCTION*

This Report summarizes the Supplemental Site Investigation conducted at the 500 Mamaroneck Avenue, Harrison, New York site by Environmental Resources Management (ERM) in November 2000. Figure 1-1 shows the location of the Site.

The investigation was conducted in response to the New York State Department of Environmental Conservation (NYSDEC) comment letter received in response to the ERM report entitled "Final Site Investigation Site Assessment Report," dated July 13, 2000 submitted to the NYSDEC on behalf of 500 Mamaroneck Avenue Associates (MAA). The scope of work included the collection of additional data in selected areas of the Site as suggested in the NYSDEC comment letter.

This Report is being submitted as an addendum to the April 2000 Final Site Investigation Site Assessment Report which together constitute the complete Final Site Investigation Report required under Paragraph 1.C. of the Voluntary Cleanup Agreement (VCA) in this matter. Previous Site data may be found in the April 2000 Final Site Investigation Site Assessment Report.



TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management			SCALE 1"=2000'	FIGURE 1—1
DRAWN RJR	JOB NO. x8101.00.01	FILE NAME x8101011	DATE 5/31/02	

Section 2

Section 2

2.0 *INVESTIGATION*

The purpose of this report is to present the findings of the Supplemental Site Investigation conducted on 20 and 21 November 2000 at 500 Mamaroneck Avenue, Harrison, New York (the Site). The supplemental investigation included collection of eleven surface soil samples from the eastern and southern buffer zone, and eight soil borings in the northwestern section of the property. All of the field notes from the Supplemental Investigation are presented in Appendix C.

This work supplements the previous investigation work carried out by ERM, Coneco Environmental Corporation, Dames and Moore, AKRF, US Hydrological and Merritt & Harris at the Site. Figure 2-2 shows the locations of borings from all of the previous investigations. Historical data for the Site may be found in the April 2000 ERM report "Final Site Investigation Site Assessment Report."

2.1 *BUFFER ZONE INVESTIGATION*

In response to the NYSDEC request to evaluate potential exposure pathways at the Site, a total of eleven surface soil samples were collected. Six samples were collected from the eastern buffer zone (ERMWETLAND-1, ERMWETLAND-2, SS-4ERM, SS-8ERM, SS-11ERM and SS-13ERM), and five samples were collected from the berm along the southern end of the parking areas (SB-1 through SB-5). The locations of the eastern buffer zone samples and the southern berm samples are shown in Figure 2-3. All samples were collected from the 0 – 2 inch interval below the vegetative layer.

The six surface soil samples from the eastern buffer zone were collected from selected locations in and adjacent to the seasonal wetland area. The

locations were selected based on field conditions and previous investigations. For safety reasons (i.e., potentially loose exposed boulders), the southern berm samples were collected from approximately halfway up the south side of the berm to obtain soil representative of residual Site materials. Selection of soil sampling locations in both the seasonal wetland and along the southern berm was carried out with the NYSDEC case manager present.

The samples were collected following ERM's Standard Operating Procedure (SOP) for surface soil sampling. Samples were preserved as appropriate and shipped by courier to Severn Trent Laboratories (STL) of Shelton, Connecticut. A summary of soil sampling intervals and their respective analyses are presented in Table 2-1. Sample analytical results are presented in Section 3.0.

All eleven samples were submitted for Target Analyte List (TAL) inorganics analysis. Samples were collected from an approximately 12-inch square area after the vegetative layer was scraped away. The soil was removed with a dedicated pre-cleaned trowel, transferred to a stainless steel bowl where any root debris and large rocks were removed, and the soil homogenized by mixing. The soil sample was then placed in an appropriate container for shipment to the analytical laboratory.

Samples were collected from the ERMWETLAND-1 and ERMWETLAND-2 locations for total organic carbon (TOC) analysis. The TOC samples were not homogenized and were placed directly into an appropriate sample container. Root debris and/or large rocks were avoided during collection of these samples.

2.2 *NORTHWESTERN SECTION INVESTIGATION*

The collection of additional soil data in the northwestern section of the property was to designed to address the NYSDEC's concern over possible migration of a "black tar-like or odorless black rubbery" substance which was observed in Coneco boring B-41 and in ERM boring ERM-48 (GP-48) (Figure 2-2), at depths ranging from 4 to 6 feet below ground surface (bgs). These two historical borings were located approximately 75 feet inside the property boundary. ERM boring ERM-31 (GP-31), installed just inside the property boundary, contained artificial debris and from 4 to 6 feet bgs, a black material resembling "cold patch asphalt" was observed. It is not clear from the descriptions contained in the geologic logs whether the material observed in Coneco–41 and ERM-48 is related to the material observed in ERM -31. Other borings installed in this section of the Site generally consisted of silty-sands, gravels and rock fragments.

To provide additional data regarding the distribution of subsurface artificial debris and "tar-like" substance in this portion of the Site, ERM installed eight additional soil borings as part of the supplemental investigation. Three soil borings were installed near ERM-31 (ERM-31A, ERM-31B, and ERM-31C) and five surrounding Coneco boring B-41 (ERM-48A, ERM-48B, ERM-48C, ERM-48D, and ERM-48E). Soil boring locations are shown on Figure 2-3.

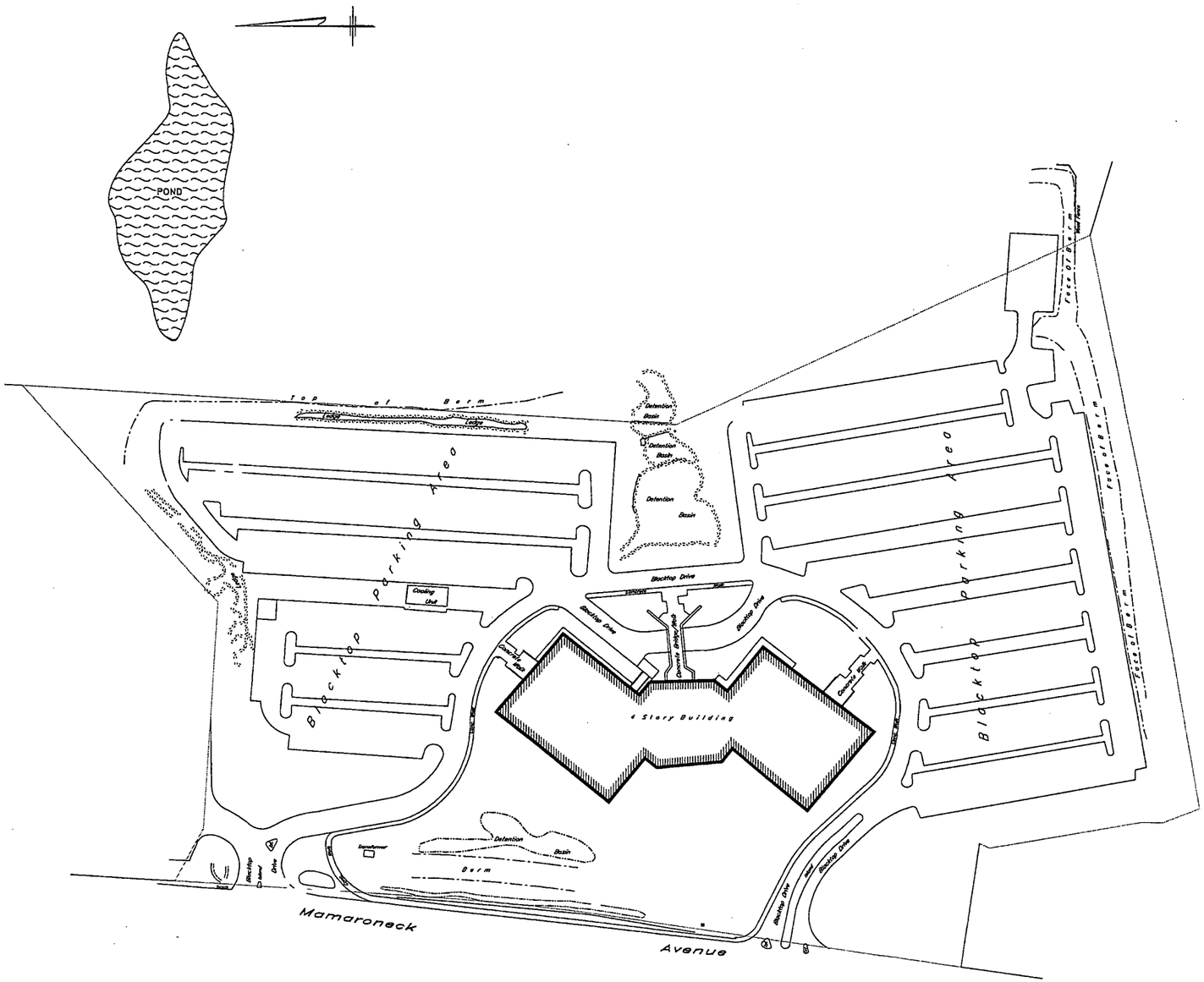
All borings were installed using a GeoProbe® and were advanced until native material or until bedrock was encountered. Continuous MacroCore® samples were collected at each location. Subsequent to sample collection, the soil was removed from the MacroCore® acetate liner, and screened for volatile organic compounds (VOCs) with a photoionization detector (PID).

At each boring location, the sample with the highest PID reading was placed in an appropriate sample jar and sent to the laboratory for analysis.

If the PID did not detect the presence of VOCs in soil, the sample from the deepest interval in the boring was submitted for analysis.

Soil samples were analyzed for target compound list (TCL) semi-volatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs). The results of these analyses are summarized in Section 3.0.

Fragments of a "tar-like" material were encountered at two boring locations, ERM-48A and ERM-48D. The "tar-like" material was placed in a sample bottle and sent to the analytical laboratory. The "tar-like" material was extracted using the toxicity characteristic leaching procedure (TCLP), and the extract analyzed for polynuclear aromatic compounds (PAHs) and metals. This sample was designated TAR-1. The TCLP results are presented in Section 3.0.



0 150' 300'

APPROXIMATE GRAPHIC SCALE

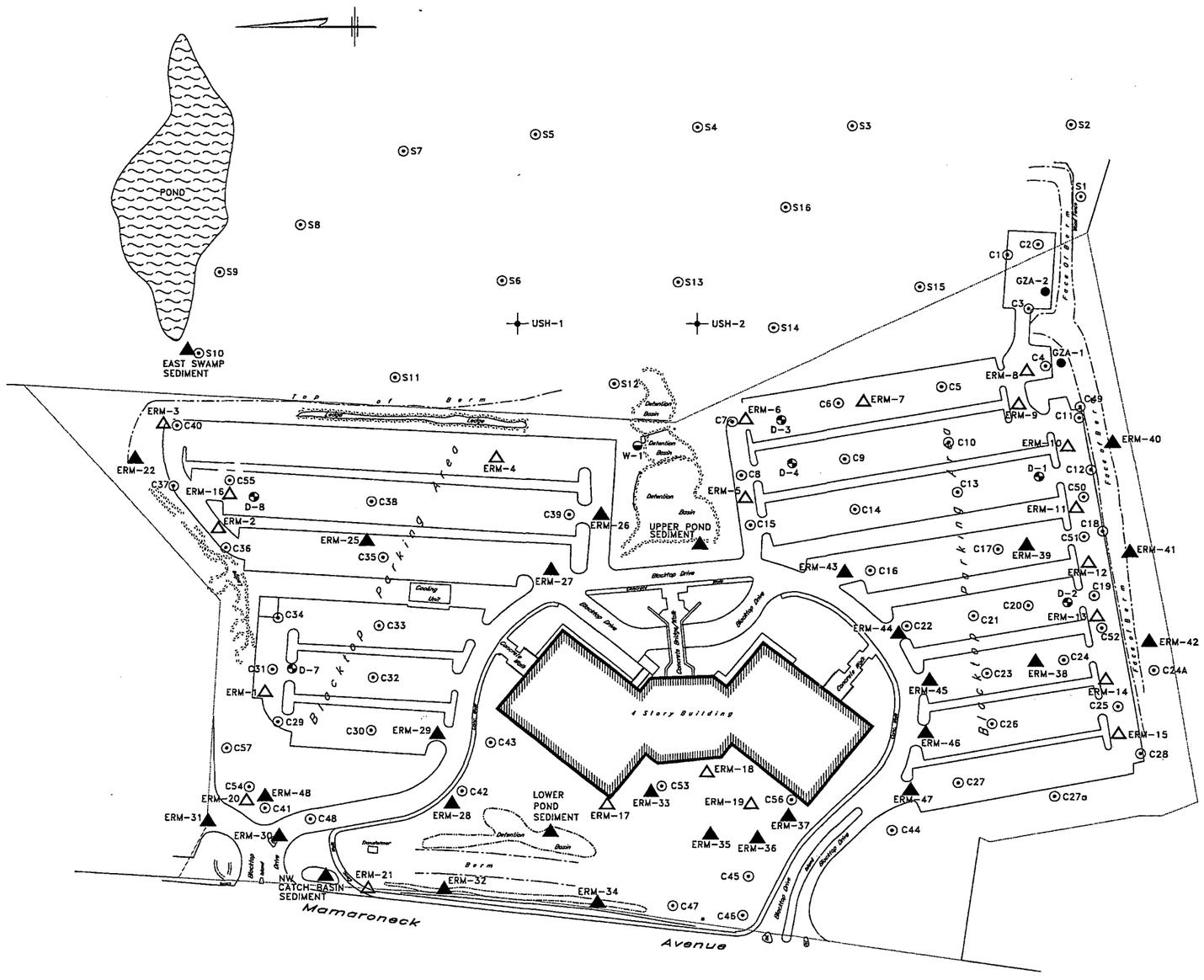
TITLE

SITE PLAN
500 MAMARONECK AVENUE

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN	JOB NO.	FILE NAME	SCALE	FIGURE
R.J.R.	X8101.00.01	X8101007	GRAPHIC	2-1
			DATE 5/29/02	



LEGEND

- W-1 —GROUNDWATER SUPPLY WELL
- GZA-1 —GZA SAMPLING LOCATIONS – 1986
- USH-1 —USH INC. SAMPLING LOCATIONS – 1989
- D-1 —DAMES & MORE SAMPLING LOCATIONS–1989
- ERM-1 —ERM BORING LOCATIONS–1998
- C1, S1 —CONECO BORING LOCATIONS–1999
- ERM-22 —ERM BORING LOCATIONS–1999

0 160' 320'

APPROXIMATE GRAPHIC SCALE

TITLE

HISTORICAL SAMPLE LOCATIONS 500 MAMARONECK AVENUE

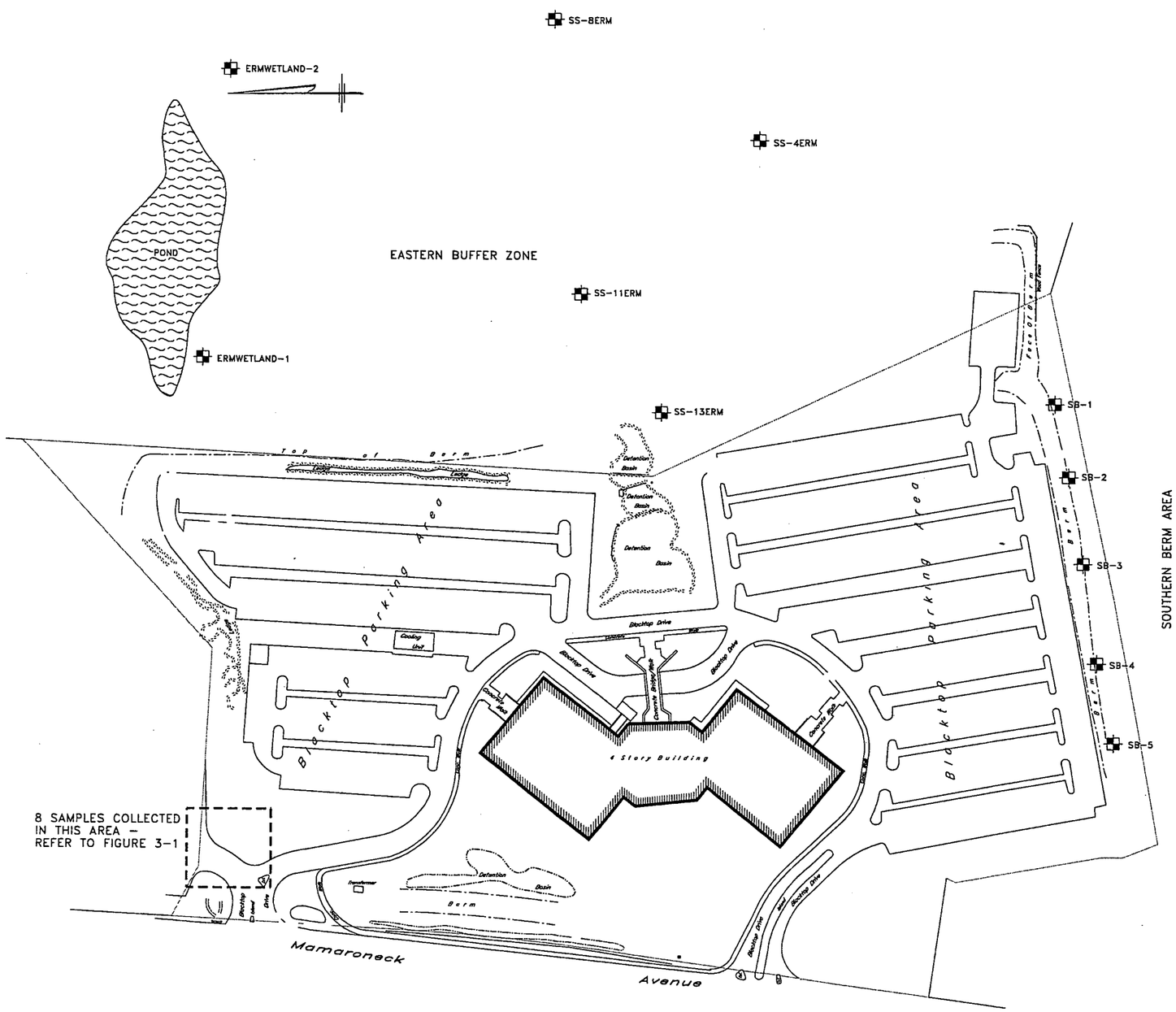
PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	2-2

DRAWN	JOB NO.	FILE NAME	DATE
R.J.R.	X8101.00.01	X8101008	05/25/02



LEGEND

SB-1 –ERM SAMPLING LOCATIONS – 2000

0 160' 320'

APPROXIMATE GRAPHIC SCALE

TITLE

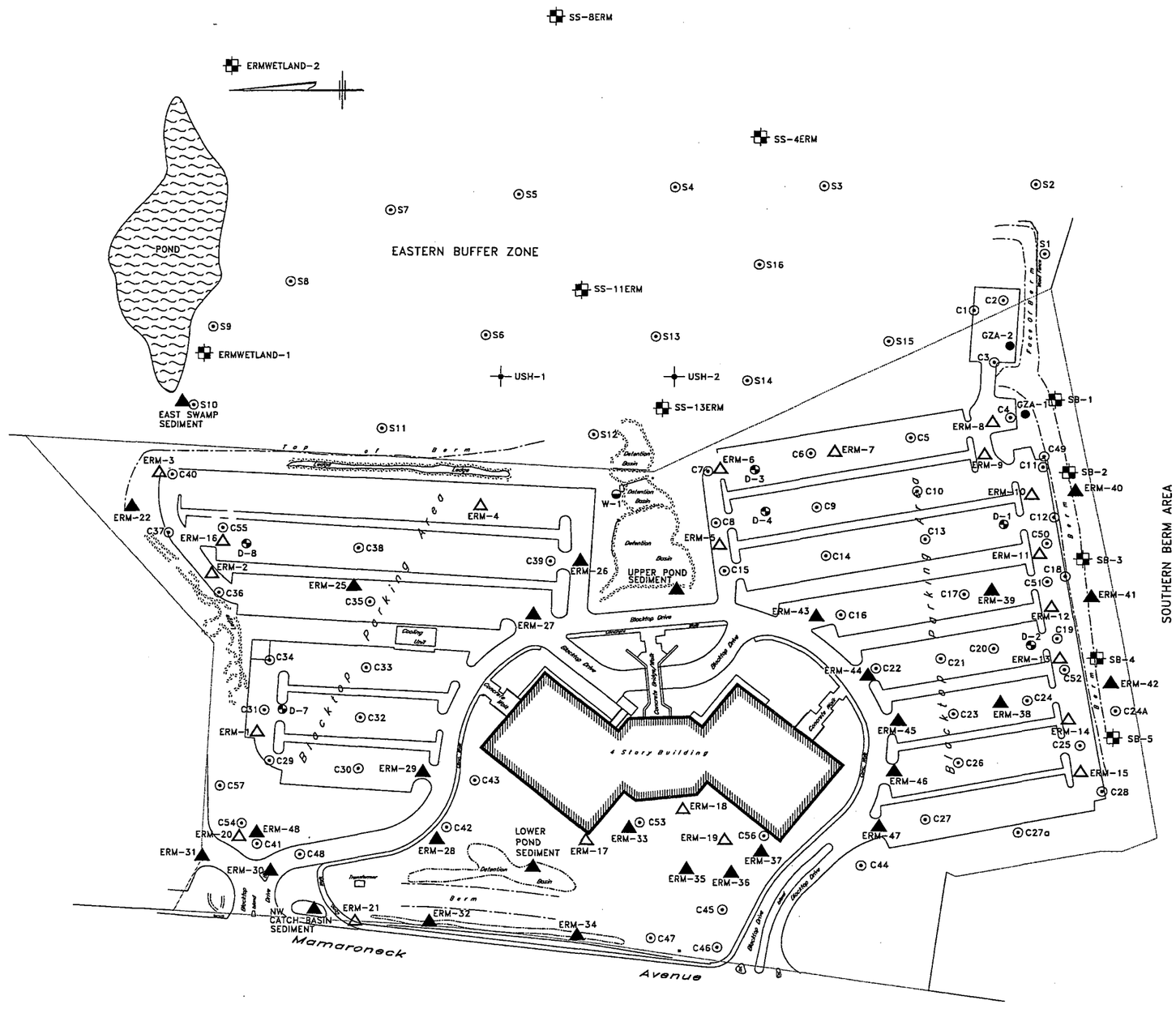
SUPPLEMENTAL INVESTIGATION
SAMPLE LOCATIONS
500 MAMARONECK AVENUE

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN:	JOB NO.:	FILE NAME:	SCALE	DATE	FIGURE
R.J.R.	X8101.00.01	X8101009	GRAPHIC	05/29/02	2-3



LEGEND

- W-1 –GROUNDWATER SUPPLY WELL
- GZA-1 –GZA SAMPLING LOCATIONS – 1986
- USH-1 –USH INC. SAMPLING LOCATIONS – 1989
- D-1 –DAMES & MORE SAMPLING LOCATIONS–1989
- ERM-1 –ERM BORING LOCATIONS–1998
- C1, S1 –CONECO BORING LOCATIONS–1999
- ERM-22 –ERM BORING LOCATIONS–1999
- SB-1 –ERM SAMPLING LOCATIONS – 2000

0 160' 320'

APPROXIMATE GRAPHIC SCALE

TITLE

LOCATIONS OF ALL SITE SAMPLES 500 MAMARONECK AVENUE

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

ERM Environmental Resources Management

DRAWN:	JOB NO:	FILE NAME:	SCALE	FIGURE
R.J.R.	X8101.00.01	X8101010	GRAPHIC	2-4
			DATE 05/29/02	

Table 2-1
Summary of Soil Sampling Intervals and Respective Analyses
Final Site Investigation
500 Mamaroneck Avenue,Harrison, New York

	PCBs	TCL SVOCs	TCLP SVOCs	TOC	TCLP Metals	TAL Metals
ERM31A	X	X				X
ERM31B	X	X				X
ERM31C	X	X				X
ERM48A	X	X				X
ERM48B	X	X				X
ERM48C	X	X				X
ERM48D	X	X				X
ERM48E	X	X				X
ERMWETLANDS-1				X		X
ERMWETLANDS-2				X		X
TAR-1			X		X	
SB-01						X
SB-02						X
SB-03						X
SB-04						X
SB-05						X
SS-11ERM						X
SS-13ERM						X
SS-4ERM						X
SS-8ERM						X

TCLP PAHs analyzed by USEPA SW-846 Method 8270C
TOC analyzed by USEPA SW-846 Method 9060
PCBs analyzed by USEPA SW-846 Method 8082
SVOCs analyzed by ASP Method 95-2
TCLP Metals analyzed by USPEA Method 6010B, with mercury by USPEA Method 7470A
Metals analyzed by NYSDEC ASP CLP Methods for Inorganics
X: Analysis Conducted

	Total PCB	Total SVOC	Total TCLP PAHs	Total TOC	Total TCLP Metals	Total Metals
Total Samples	8	8	1	2	1	19
MS/MSD	1	1				1
Blind Dup	1	1				2

Section 3

Section 3

3.0 *SOIL SAMPLE ANALYTICAL RESULTS*

As described Section 2.0, nineteen soil samples and the composite "tar-like" sample were collected and sent to STL-Connecticut for analysis. Eleven samples were analyzed as part of the Buffer Zone Investigation. Eight soil samples as well as the TAR-1 sample, were analyzed as part of the Northwestern Section Investigation.

The samples were analyzed for SVOCs, PCBs, TAL Metals, TCLP Metals, TCLP SVOCs and/or TOC. Table 2-1 summarized the samples collected and the analyses carried out. The results of the chemical analyses are presented in Table 3-1 through Table 3-9. A discussion of the soil sampling results is set forth below.

After receipt of laboratory data, a data review was carried out according to the protocols and quality control requirements of the specific methods used. The results of the data evaluation are presented in the Data Usability Summary Report (DUSR) contained in Appendix A and the raw data packages from STL-Connecticut are included in Appendix B.

Data were evaluated by comparing the analytical results with the guidance values presented in NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 "Determination of Soil Cleanup Objectives and Cleanup Levels" (January 1994), 40 Code of Federal Regulations (CFR) Part 261.3 (toxicity characteristic), NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1Ambient Water Quality Standards and Guidance values, and NYSDEC Division of Fish & Wildlife and Marine Resources (DFWMRs) guidance document "Technical Guidance for Screening Contaminated Sediments" (January 1999).

For inorganic constituents in soil, the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs) were used to screen the chemicals detected in soil. Eastern USA regional data were used to evaluate metal concentrations where TAGM 4046 indicated the use of Site background concentrations in lieu of Site specific background samples. Sampling results from previous investigations were summarized in the ERM April 2000 Final Site Investigation Site Assessment Report.

3.1 *POLYCHLORINATED BIPHENYLS (PCBS)*

All eight soil samples from the northwestern section were analyzed for PCBs. The results of the PCB analysis are summarized in Table 3-1. Three PCB compounds were detected. Aroclor 1260 was detected in all eight samples, Aroclor 1254 was detected in four of the eight samples (ERM-31A (7-8′), ERM-31C (7-8′), ERM-48C (6-7′) and ERM-48D (4-5′)), and Aroclor 1232 was detected in three of the eight samples collected (ERM-31A (7-8′), ERM-48A (7-8′), ERM-48C (6-7′)).

Samples exhibiting detectable concentrations of PCBs were located from 4 to 8 feet bgs. PCB concentrations in all of the northwestern section samples were below the TAGM 4046 RSCO of 10,000 ug/kg for total PCBs concentration in sub-surface soil.

3.2 *SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCS)*

SVOCs were detected in the soil samples collected from the northwestern area. The detected SVOCs can be divided into two general categories: base neutrals and acid extractables. In addition, SVOCs were further categorized to evaluate PAHs and carcinogenic polynuclear aromatic hydrocarbons (CaPAHs) in soil. The results of the SVOC analyses are

summarized in Table 3-2 for acid extractable compounds and in Table 3-3 for base neutral compounds.

Phenol was the only acid extractable SVOC that was detected in any sample from the northwestern section of the property. ERM31A (7-8'), ERM31C (7-8'), and ERM48B (7-8') had estimated phenol concentrations of 29J ug/kg, 20J ug/kg, and 22J ug/kg, respectively. All samples were below the TAGM 4046 RSCO of 0.03 mg/kg. Sample results are presented in Table 3-2.

Base neutral compounds were detected in all of the eight samples collected from the northwestern section. Base neutral compounds, specifically PAHs, were detected above TAGM 4046 RSCOs in five of the eight samples analyzed for SVOCs. These were ERM48A (7-8'), ERM48B (7-8'), ERM48C (6-7'), ERM48D (4-5'), and ERM48E (5-6'). The 17 base neutral compounds that were detected above their RSCOs included naphthalene, 2-methylnaphthalene, acenaphthene, dibenzofuran, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene and benzo(g,h,I)perylene. Base neutral SVOC sample results are presented in Table 3-3.

The PAHs detected are consistent with previous Site results reported in the April 2000 Final Investigation Site Assessment Report, which identified the presence of historical PAH impacts to Site soil. PAH concentrations in soil samples from the northwestern section were above their respective NYSDEC RSCOs at depths ranging from 4 to 8 feet bgs. Figure 3-1 shows the northwestern section sample locations with their respective total PAHs concentration.

3.3 TCLP ANALYTICAL RESULTS

A "tar-like" material was observed in borings ERM-48A (7-8') and ERM-48D (4-5.5'). Because only small amounts were encountered in each boring, the samples were combined and sent to the laboratory for TCLP metals and SVOCs analyses.

The TCLP results of TAR-1 were compared to TCLP regulation criteria (40 CFR Part 261.3 and NYSDEC TOGS 1.1.1 Ambient Water Quality Standards and Guidance values. TOGS 1.1.1 values were selected as screening criteria to determine if leaching of constituents from the tar material would impact groundwater. The results are set forth below.

TCLP SVOCs-PAHs

A total of eight PAH compounds were detected in the "tar-like" material including: naphthalene, 2-methylnaphthalene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, and pyrene. There are no regulatory criteria for these compounds in 40 CFR Part 261.3, and all compounds were below their NYSDEC TOGS 1.1.1 guidance values. These results are presented in Table 3-4.

TCLP Metals

Four TCLP metals were detected in the TAR-1 sample: barium, cadmium, chromium, and lead. The results are presented in Table 3-5. All TCLP metal concentrations were below their respective NYSDEC TOGS 1.1.1 ambient water quality guidance values and their United States Environmental Protection Agency (USEPA) TCLP regulatory criteria.

3.4 *TOTAL ORGANIC CARBON (TOC)*

Two soil samples from the eastern buffer zone, ERMWETLAND-1 and ERMWETLAND-2, were collected for TOC analysis. The analytical results indicted organic carbon in the samples at 350,000 mg/kg and 252,000 mg/kg, respectively. The samples were collected in a low lying wetland area. The elevated readings were expected and are typical of TOC concentrations in organic-rich sediments. Sample results are presented in Table 3-6.

3.5 *INORGANICS*

Nineteen soil samples were collected and analyzed for TAL Metals. These include the six eastern buffer zone samples, five southern berm samples, and eight additional northwestern section samples, which are all shown in Figure 2-3. The analytical results are summarized in Table 3-7. Metals detected in these samples included aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, selenium, silver, sodium, vanadium and zinc. TAGM 4046 levels, based either on eastern USA background concentrations or risk derived concentrations, were used for comparison purposes in lieu of Site-specific background soil concentrations. Comparison with these criteria (exclusive of essential minerals) indicated that the concentrations of arsenic, barium, cadmium, calcium, chromium, copper, magnesium, mercury, nickel, and zinc were above Eastern USA background criteria.

Arsenic was detected above the eastern USA background concentration of 12 mg/kg in four samples: SB-02 (0-0.5′) at 14.8J mg/kg, SB-03 (0-0.5′) at 13.4J mg/kg, ERM31C (7-8′) at 31J mg/kg, and ERM48B (7-8′) at 31 mg/kg.

Barium was detected above the eastern USA background concentration of 600 mg/kg in one sample, ERM31C (7-8′) at 1240 mg/kg.

Cadmium was detected above the 1 10 mg/kg eastern USA background concentration in four samples: SB-01 (0-0.5′) at 1.8J mg/kg, SB-02 (0-0.5′) at 3.1J mg/kg, SB-03 (0-0.5′) at 2.7J mg/kg, and ERM31C (7-8′) at 30.7J.

The concentration of chromium was above the 40 100 mg/kg eastern USA background concentration in twelve samples: ERM31C (7-8′) at 104 mg/kg, ERM48B (7-8′) at 66.2 mg/kg, ERM48C (6-7′) at 50.4 mg/kg, ERM48D (4-5′) at 40.7 mg/kg, ERM48E (5-6′) at 70.2 mg/kg, SB-1 at 50.9 mg/kg, SB-2 at 194 mg/kg, SB-3 at 83.4 mg/kg, SB-5 at 59.6 mg/kg, SS-13ERM (0-0.5′) at 46.6 mg/kg, SS-4ERM (0-0.5′) at 45.7 mg/kg and SS-8ERM (0-0.5′) at 49.1 mg/kg.

Copper was detected above the 50 mg/kg eastern USA background concentration in ten samples: ERM31A (7-8′) at 54J mg/kg, ERM31B (6-8′) at 80.4J mg/kg, ERM31C (7-8′) at 419J, ERM48A (7-8′) at 55.7J mg/kg, ERM48B(7-8′) at 348J mg/kg, ERM48C (6-7′) at 282J mg/kg, ERM48E (5-6′) at 114Jmg/kg, SB-01 (0-0.5′) at 174J mg/kg, SB-02 (0-0.5′) at 625J mg/kg, and SB-03 (0-0.5′) at 729J mg/kg.

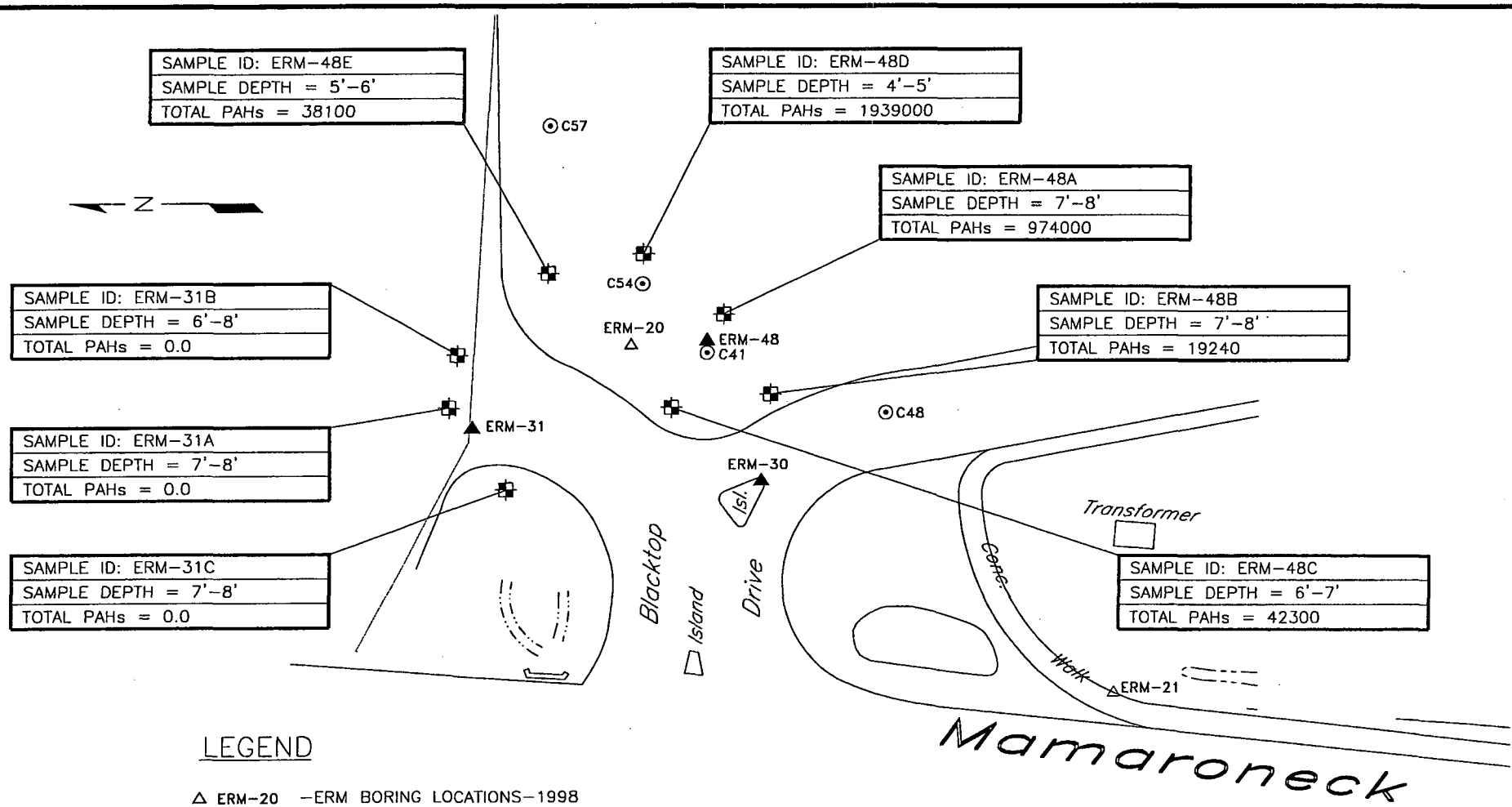
Lead was detected above the eastern USA background concentration of 500 mg/kg in six samples: ERM31B (6-8′) at 20,600 mg/kg, ERM31C (7-8′) at 2540 mg/kg, ERM48B (7-8″) at 2110 mg/kg, ERM48C (6-7′) at 832 mg/kg, SB-01 (0-0.5′) at 3889 mg/kg, SB-02 (0-0.5′) at 1040 mg/kg, and SB-03 at 1330 mg/kg.

Mercury was detected above the 0.2 mg/kg eastern USA background concentrations in ten samples: ERM31B (6-8′) at 0.22 mg/kg, ERM48C (6-

7′) at 0.52 mg/kg, ERMWETLAND-1 (0-0.5′) at 0.3 mg/kg, SB-01 (0-0.5′) at 0.49 mg/kg, SB-02 (0-0.5′) at 0.58 mg/kg, SB-03 (0-0.5′) at 0.75 mg/kg, SS-11ERM (0-0.5′) at 0.3 mg/kg, SS-13ERM (0-0.5′) at 0.22 mg/kg, SS-4ERM(0-0.5′) at 0.31 mg/kg and SS-8ERM (0-0.5′) at 0.35 mg/kg.

Nickel exceeded the eastern USA background concentration of 25 mg/kg in eleven samples: ERM31B (6-8′) at 25.4J mg/kg, ERM31C (7-8′) at 54.2 mg/kg, ERM 48A (7-8′) at 48.8 mg/kg, ERM48B (7-8′) at 61.4 mg/kg, ERM48C (6-7′) at 35.6 mg/kg, ERM48D (4-5′) at 27.5 mg/kg, ERM48E (5-6′) at 36 mg/kg, SB-01 (0-0.5′) at 39.9 mg/kg, SB-02 (0-0.5′) at 122 mg/kg, SB-03 (0-0.5′) at 130 mg/kg, and SB-05 (0-0.5′) at 94.5 mg/kg.

The eastern USA background concentration of zinc is 50 mg/kg. All 19 samples were above the background concentration at: ERM31A (7-8′) at 172J mg/kg, ERM48A (7-8′) at 363J mg/kg, ERM31C (7-8′) at 4810J mg/kg, ERM48A (7-8′) at 143J mg/kg, ERM48B (7-8′) at 766J mg/kg, ERM48C (6-7′) at 1030J mg/kg, ERM48D (4-5′) at 101J mg/kg, ERM48E (5-6′) at 324J mg/kg, ERMWETLAND-1 at 147J mg/kg, ERMWETLAND-2 at 54.8J mg/kg, SB-1 at 805J mg/kg, SB-2 at 1400J mg/kg, SB-3 at 1710J mg/kg, SB-4 at 104J mg/kg, SB-5 at 127J mg/kg, SS-11ERM (0-2″) at 71.6J mg/kg, SS-13ERM (0-2″)at 76.3J mg/kg, SS-4ERM (0-2″)at 82.8J mg/kg, and SS-8ERM (0-2″) at 61.9J mg/kg. The LEL sediment criterion for zinc is 120 mg/kg. One sample, ERMWETLAND-1 (0-0.5′), was above this concentration at 147J mg/kg.



LEGEND

△ ERM-20 —ERM BORING LOCATIONS—1998

▲ ERM-30 —ERM BORING LOCATIONS—1999

⊙ C41 —CONECO BORING LOCATIONS—1999

ERM-48A —ERM BORING LOCATIONS – NOVEMBER 2000

PAH – POLYNUCLEAR AROMATIC HYDROCARBON

RESULTS ARE PRESENTED IN ppb

0 50' 100'

GRAPHIC SCALE

TITLE

NORTHWESTERN SECTION
SAMPLING LOCATIONS
500 MAMARONECK AVENUE

PREPARED FOR

500 MAMARONECK AVENUE ASSOCIATES

Environmental Resources Management
ERM

SCALE	FIGURE
GRAPHIC	3-1

DRAWN:	JOB NO.:	FILE NAME:	DATE
R.J.R.	X8101.00.01	X8101006	5/29/02

TABLE 3-1
Summary of Soil Analytical Results - Polychlorinated Biphenyls (PCBs)
Final Site Investigation
500 MamaroneckAvenue, Harrison, New York

CONSTITUENT / SAMPLE ID / DATE / DEPTH (ft)	ERM31B 11/21/00 6'-8'	DUP112100 ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'
Aroclor 1016	40 U	42 U	42 U	39 U
Aroclor 1221	82 U	85 U	85 U	78 U
Aroclor 1232	40 U	42 U	23 J	39 U
Aroclor 1242	40 U	42 U	42 U	39 U
Aroclor 1248	40 U	42 U	42 U	39 U
Aroclor 1254	40 U	42 U	34 J	36 J
Aroclor 1260	13 J	9.1 J	30 J	22 J
Sum of Constituents	13 J	9.1 J	87 J	58 J

Notes:
Results are presented in ug/kg.
U=Analyzed for but not detected.
J=Estimated value.
NYSDEC Recommended Soil Cleanup Objectives (RSCO) as per NYSDEC TAGM No. HWR-94-4046 (1/24/994):
1000 ug/l at surface / 10,000 ug/l in subsurface.

TABLE 3-1
Summary of Soil Analytical Results - Polychlorinated Biphenyls (PCBs)
Final Site Investigation
500 MamaroneckAvenue, Harrison, New York

CONSTITUENT / SAMPLE ID / DATE / DEPTH (ft)	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'	ERM48D 11/21/00 4'-5'	ERM48E 11/21/00 5'-6'
Aroclor 1016	38 U	38 U	37 U	73 U	37 U
Aroclor 1221	77 U	78 U	75 U	150 U	76 U
Aroclor 1232	44 J	38 U	210 J	73 U	37 U
Aroclor 1242	38 U	38 U	37 U	73 U	37 U
Aroclor 1248	38 U	38 U	37 U	73 U	37 U
Aroclor 1254	38 U	38 U	140	400 J	37 U
Aroclor 1260	67 J	28 J	110 J	210 J	11 J
Sum of Constituents	111 J	28 J	460 J	610 J	11 J

Notes:
Results are presented in ug/kg.
U=Analyzed for but not detected.
J=Estimated value.
NYSDEC Recommended Soil Cleanup Objectives (RSCO) as per NYSDEC TAGM No. HWR-94-4046 (1/24/994):
1000 ug/l at surface / 10,000 ug/l in subsurface.

TABLE 3-2
Summary of Soil Analytical Results - Semivolatile Organic Compounds-Acid Extractables
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM31B 11/21/00 6'-8'	DUP112100 ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'
Phenol	.03 or MDL		400 U	430 U	29 J	20 J
2-Chlorophenol	0.8		400 U	430 U	410 U	390 U
2-Methylphenol	0.1 or MDL		400 U	430 U	410 U	390 U
4-Methylphenol	0.9		400 U	430 U	230 J	61 J
2-Nitrophenol	0.33 or MDL		400 U	430 U	410 U	390 U
2,4-Dimethylphenol	N/A		400 UJ	430 UJ	410 UJ	390 UJ
2,4-Dichlorophenol	0.4		400 U	430 U	410 U	390 U
4-Chloro-3-methylphenol	0.24		400 U	430 U	410 U	390 U
2,4,6-Trichlorophenol	N/A		400 U	430 U	410 U	390 U
2,4,5-Trichlorophenol	0.1		1000 U	1100 U	1000 U	980 U
2,4-Dinitrophenol	0.2 or MDL		1000 U	1100 U	1000 U	980 U
4-Nitrophenol	0.1 or MDL		1000 UJ	1100 UJ	1000 UJ	980 UJ
4,6-Dinitro-2-methylphenol	N/A		1000 U	1100 U	1000 U	980 U
Pentachlorophenol	1.0 or MDL		1000 U	1100 U	1000 U	980 U

Notes:
RSCO cleanup objectives are in mg/kg and Results are in ug/kg
U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available
MDL= Method Detection Limit

TABLE 3-2
Summary of Soil Analytical Results - Semivolatile Organic Compounds-Acid Extractables
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM48E 11/21/00 5'-6'	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'	ERM48D 11/21/00 4'-5'
Phenol	.03 or MDL		1500 U	19000 U	22 J	1500 U	73000 U
2-Chlorophenol	0.8		1500 U	19000 U	380 U	1500 U	73000 U
2-Methylphenol	0.1 or MDL		1500 U	19000 U	380 U	1500 U	73000 U
4-Methylphenol	0.9		1500 U	19000 U	380 U	1500 U	73000 U
2-Nitrophenol	0.33 or MDL		1500 U	19000 U	380 U	1500 U	73000 U
2,4-Dimethylphenol	N/A		1500 UJ	19000 UJ	380 UJ	1500 UJ	73000 UJ
2,4-Dichlorophenol	0.4		1500 U	19000 U	380 U	1500 U	73000 U
4-Chloro-3-methylphenol	0.24		1500 U	19000 U	380 U	1500 U	73000 U
2,4,6-Trichlorophenol	N/A		1500 U	19000 U	380 U	1500 U	73000 U
2,4,5-Trichlorophenol	0.1		3700 U	48000 U	970 U	3800 U	180000 U
2,4-Dinitrophenol	0.2 or MDL		3700 U	48000 U	970 U	3800 U	180000 U
4-Nitrophenol	0.1 or MDL		3700 UJ	48000 UJ	970 UJ	3800 UJ	180000 UJ
4,6-Dinitro-2-methylphenol	N/A		3700 U	48000 U	970 U	3800 U	180000 U
Pentachlorophenol	1.0 or MDL		3700 UJ	48000 U	970 U	3800 U	180000 U

Notes:
RSCO cleanup objectives are in mg/kg and Results are in ug/kg
U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available
MDL= Method Detection Limit

TABLE 3-3
Summary of Soil Analytical Results - Semivolatile Organic Compounds- Base Neutrals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Obectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM31B 11/21/00 6'-8'	ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'	ERM48E 11/21/00 5'-6'
Bis(2-chloroethyl)ether	N/A		400 U	430 U	410 U	390 U	1500 U
1,3-Dichlorobenzene	1.6		400 U	430 U	410 U	390 U	1500 U
1,2-Dichlorobenzene	7.9		400 U	430 U	410 U	390 U	1500 U
1,4-Dichlorobenzene	8.5		400 U	430 U	410 U	390 U	1500 U
2,2'-oxybis(1-Chloropropane)	N/A		400 U	430 U	410 U	390 U	1500 U
N-Nitroso-di-n-propylamine	N/A		400 U	430 U	410 U	390 U	1500 U
Hexachloroethane	N/A		400 UJ	430 UJ	410 UJ	390 UJ	1500 UJ
Nitrobenzene	0.200 or MDL		400 U	430 U	410 U	390 U	1500 U
Isophorone	4.4		400 U	430 U	410 U	390 U	1500 U
Bis(2-chloroethoxy)methane	N/A		400 U	430 U	410 U	390 U	1500 U
1,2,4-Trichlorobenzene	3.4		400 U	430 U	410 U	390 U	1500 U
Naphthalene	13		25 J	15 J	37 J	14 J	2100
4-Chloroaniline	0.220 or MDL		400 U	430 U	410 U	390 U	1500 U
Hexachlorobutadiene	N/A		400 U	430 U	410 U	390 U	1500 U
2-Methylnaphthalene	36.4		40 J	14 J	26 J	11 J	1000 J
Hexachlorocyclopentadiene	N/A		400 U	430 U	410 U	390 U	1500 U
2-Chloronaphthalene	N/A		400 U	430 U	410 U	390 U	1500 U
2-Nitroaniline	0.430 or MDL		1000 U	1100 U	1000 U	980 U	3700 U
Dimethylphthalate	2		400 U	430 U	410 U	390 U	1500 U
Acenaphthylene	41		400 UJ	17 J	10 J	390 U	160 J
2,6-Dinitrotoluene	1		400 U	430 U	410 U	390 U	1500 U
3-Nitroaniline	0.500 or MDL		1000 U	1100 U	1000 U	980 U	3700 U
Acenaphthene	50.0***		12 J	430 UJ	12 J	390 U	1200 J
Dibenzofuran	6.2		16 J	8 J	19 J	390 U	1300 J
2,4-Dinitrotoluene	N/A		400 U	430 U	410 U	390 U	1500 U
Diethylphthalate	7.1		16 J	430 UJ	45 J	390 U	1500 U
4-chlorophenyl-phenylether	N/A		400 U	430 U	410 U	390 U	1500 U
Fluorene	50.0***		21 J	14 J	19 J	390 U	1800
4-Nitroaniline	N/A		1000 UJ	1100 UJ	1000 UJ	980 UJ	3700 UJ
N-Nitrosodiphenylamine (1)	N/A		400 U	430 U	410 U	390 U	1500 U
4-Bromophenyl-phenylether	N/A		400 U	430 U	410 U	390 U	1500 U
Hexachlorobenzene	0.41		400 U	430 U	410 U	390 U	1500 U
Phenanthrene	50.0***		140 J	160 J	110 J	44 J	7900
Anthracene	50.0***		23 J	22 J	24 J	390 U	2000
Carbazole	N/A		400 U	430 U	11 J	390 U	1200 J
Di-n-butylphthalate	8.1		21 J	20 J	72 J	42 J	1500 U
Fluoranthene	50.0***		110 J	130 J	94 J	45 J	6900
Pyrene	50.0***		230 J	270 J	150 J	60 J	7100 J
Butylbenzylphthalate	50.0***		400 U	430 U	410 U	390 U	1500 U
3,3'-Dichlorobenzidine	N/A		400 U	430 U	410 U	390 U	1500 U
Benzo(a)anthracene	0.224 or MDL		54 J	62 J	47 J	23 J	2900
Chrysene	0.4		82 J	110 J	64 J	30 J	3100
Bis(2-ethylhexyl)phthalate	50.0***		1900 U	430 U	410 U	390 U	1500 U
Di-n-octylphthalate	50.0***		400 U	430 U	410 U	390 U	1500 U
Benzo(b)fluoranthene	1.1		40 J	47 J	39 J	390 U	2000
Benzo(k)fluoranthene	1.1		35 J	52 J	39 J	390 U	1800
Benzo(a)pyrene	0.061 or MDL		42 J	56 J	45 J	390 U	2700
Indeno(1,2,3-cd)pyrene	3.2		41 J	53 J	52 J	390 U	2400
Dibenz(a,h)anthracene	0.014 or MDL		400 U	430 U	410 U	390 U	650 J
Benzo(g,h,i)perylene	50.0***		79 J	95 J	85 J	390 U	2500

Notes:

RSCO cleanup objectives are presented in mg/kg and Results are presented in ug/kg

**** As per TAGM #4046, Total VOCs < 10 ppm., Total Semi-VOCs <500 ppm. and Individual Semi-VOCs < 50 ppm.*

Bold Characters and shaded cells represent detections above NYSDEC RSCO

U=Analyzed for but not detected

J=Estimated value

UJ=Not detected at estimated value

N/A=Not available

MDL= Method Detection Limit

TABLE 3-3
Summary of Soil Analytical Results - Semivolatile Organic Compounds- Base Neutrals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Recommended Soil Cleanup Obectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'	ERM48D 11/21/00 4'-5'
Bis(2-chloroethyl)ether	N/A		19000 U	380 U	1500 U	73000 U
1,3-Dichlorobenzene	1.6		19000 U	380 U	1500 U	73000 U
1,2-Dichlorobenzene	7.9		19000 U	380 U	1500 U	73000 U
1,4-Dichlorobenzene	8.5		19000 U	380 U	1500 U	73000 U
2,2'-oxybis(1-Chloropropane)	N/A		19000 U	380 U	1500 U	73000 U
N-Nitroso-di-n-propylamine	N/A		19000 U	380 U	1500 U	73000 U
Hexachloroethane	N/A		19000 UJ	380 UJ	1500 UJ	73000 UJ
Nitrobenzene	0.200 or MDL		19000 U	380 U	1500 U	73000 U
Isophorone	4.4		19000 U	380 U	1500 U	73000 U
Bis(2-chloroethoxy)methane	N/A		19000 U	380 U	1500 U	73000 U
1,2,4-Trichlorobenzene	3.4		19000 U	380 U	1500 U	73000 U
Naphthalene	13		36000	660	230 J	88000
4-Chloroaniline	0.220 or MDL		19000 U	380 U	1500 U	73000 U
Hexachlorobutadiene	N/A		19000 U	380 U	1500 U	73000 U
2-Methylnaphthalene	36.4		18000 J	330 J	130 J	40000 J
Hexachlorocyclopentadiene	N/A		19000 U	380 U	1500 U	73000 U
2-Chloronaphthalene	N/A		19000 U	380 U	1500 U	73000 U
2-Nitroaniline	0.430 or MDL		48000 U	970 U	3800 U	180000 U
Dimethylphthalate	2		19000 U	380 U	1500 U	73000 U
Acenaphthylene	41		2800 J	58 J	41 J	5000 J
2,6-Dinitrotoluene	1		19000 U	380 U	1500 U	73000 U
3-Nitroaniline	0.500 or MDL		48000 U	970 U	3800 U	180000 U
Acenaphthene	50.0***		24000	480	640 J	54000 J
Dibenzofuran	6.2		27000	490	470 J	57000 J
2,4-Dinitrotoluene	N/A		19000 U	380 U	1500 U	73000 U
Diethylphthalate	7.1		19000 U	380 U	1500 U	73000 U
4-chlorophenyl-phenylether	N/A		19000 U	380 U	1500 U	73000 U
Fluorene	50.0***		38000	700	790 J	82000
4-Nitroaniline	N/A		48000 UJ	970 UJ	3800 UJ	180000 UJ
N-Nitrosodiphenylamine (1)	N/A		19000 U	380 U	1500 U	73000 U
4-Bromophenyl-phenylether	N/A		19000 U	380 U	1500 U	73000 U
Hexachlorobenzene	0.41		19000 U	380 U	1500 U	73000 U
Phenanthrene	50.0***		140000	2700	5700	340000
Anthracene	50.0***		40000	790	1700	90000
Carbazole	N/A		23000	500	840 J	57000 J
Di-n-butylphthalate	8.1		19000 U	380 U	1500 U	73000 U
Fluoranthene	50.0***		120000	2400	5800	320000
Pyrene	50.0***		150000	3000	6900	280000
Butylbenzylphthalate	50.0***		19000 U	380 U	1500 U	73000 U
3,3'-Dichlorobenzidine	N/A		19000 U	380 U	1500 U	73000 U
Benzo(a)anthracene	0.224 or MDL		58000	1200	3400	120000
Chrysene	0.4		59000	1200	3500	130000
Bis(2-ethylhexyl)phthalate	50.0***		19000 U	380 U	1500 U	73000 U
Di-n-octylphthalate	50.0***		19000 U	380 U	1500 U	73000 U
Benzo(b)fluoranthene	1.1		38000	790	2700	100000
Benzo(k)fluoranthene	1.1		36000	730	2400	91000
Benzo(a)pyrene	0.061 or MDL		52000	1000	2900	120000
Indeno(1,2,3-cd)pyrene	3.2		61000	1200	3200	80000
Dibenz(a,h)anthracene	0.014 or MDL		17000 J	340 J	1200 J	23000 J
Benzo(g,h,i)perylene	50.0***		72000	1400	4100	98000

Notes:
RSCO cleanup objectives are presented in mg/kg and Results are presented in ug/kg
**** As per TAGM #4046, Total VOCs < 10 ppm., Total Semi-VOCs <500 ppm. and Individual Semi-VOCs < 50 ppm.*
Bold Characters and shaded cells represent detections above NYSDEC RSCO

U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available
MDL= Method Detection Limit

TABLE 3-4
Summary of Soil Analytical Results - TCLP Semivolatile Organic Compounds- Polynuclear Aromatic Hydrocarbons (PAHs)
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Ambient Water Quality Standards & Guidance Values (TOGS 1.1.1) ug/L	Groundwater Standards/Criteria (TAGM 4046) ug/L	SAMPLE ID DATE	TAR-1 11/21/00
Naphthalene	10	10		4 J
2-Methylnaphthalene	42	50		0.3 J
Acenaphthylene	48	20		20 U
Acenaphthene	20	20		0.3 J
Fluorene	50	50		0.3 J
Phenanthrene	50	50		0.7 J
Anthracene	50	50		0.1 J
Fluoranthene	50	50		0.2 J
Pyrene	50	50		0.2 J
Benzo(a)anthracene	0.002	0.002		20 U
Chrysene	0.002	0.002		20 U
Benzo(b)fluoranthene	0.002	0.002		20 U
Benzo(k)fluoranthene	0.002	0.002		20 U
Benzo(a)pyrene	N /A	0.002		20 U
Indeno(1,2,3-cd)pyrene	0.002	0.002		20 UJ
Dibenzo(a,h)anthracene	N/A	50		20 UJ
Benzo(ghi)perylene	N/A	5		20 UJ

Notes:
Ambient Water Quality Standards & Guidance Values and Results are presented in ug/L
U=Analyzed for but not detected
J=Estimated value
UJ=Not detected at estimated value
N/A=Not available

TABLE 3-5
Summary of Soil Analytical Results - TCLP Metals
Final Site Investigation
500 MamaroneckAvenue, Harrison, New York

CONSTITUENT	Ambient Water Quality Standards & Guidance Values (TOGS 1.1.1) ug/L	40 CFR Part 261.3 Level (ug/L)	SAMPLE ID DATE	TAR-1 11/21/00
Arsenic	25	5000		5.0 U
Barium	1000	100,000		289
Cadmium	5	1000		1.8 J
Chromium	50	5000		2.1
Lead	25	5000		13.1
Mercury	0.7	200		0.10 U
Selenium	10	1000		5.0 U
Silver	50	5000		1.0 U

Notes:
Ambient Water Quality Standards and Guidance Values and Results are presented in ug/L.
U=Analyzed for but not detected.
J=Estimated value.

TABLE 3-6
Summary of Soil Analytical Results - Total Organic Carbon
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	SAMPLE ID DATE DEPTH (ft)	ERMWETLAND-1 11/21/00 0 - 0.5	ERMWETLAND-2 11/21/00 0 - 0.5
Total Organic Carbon		350000	252000

Notes:
Results are presented in mg/kg.

TABLE 3-7
Summary of Soil Analytical Results - Target Analyte List (TAL) Metals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Eastern USA Background mg/kg	CRDL mg/kg	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM31B 11/21/00 6'-8'	DUP112100 ERM31B 11/21/00 6'-8'	ERM31A 11/21/00 7'-8'	ERM31C 11/21/00 7'-8'	ERM48A 11/21/00 7'-8'	ERM48B 11/21/00 7'-8'	ERM48C 11/21/00 6'-7'
Aluminum	33,000	2.0	SB		12100	8600	12600	9140	9690	13500	12400
Antimony	N/A	0.6	SB		25.2 J	14.4 J	R	60.7 J	R	32.1 J	1.8 J
Arsenic	3-12 **	0.1	7.5 or SB		8 J	38.2 J	8.7 J	31 J	3.9 J	31.9 J	9.7 J
Barium	15-600	2.0	360 or SB		295	506	222	1240	84.4	270	538
Beryllium	0-1.75	0.05	0.16 (HEAST) or SB		0.29	0.12	0.42	0.17	0.26	0.17	0.36
Cadmium	0.1-1	0.05	1 or SB		0.087 UJ	0.091 UJ	0.1 UJ	30.7 J	0.1 UJ	0.093 UJ	4.8 J
Calcium	130 - 35,000 **	50.0	SB		6030 J	29800 J	4050 J	43700 J	6480 J	8920 J	14900 J
Chromium	1.5 - 40 **	0.1	10 or SB		36.6	56.7	26	104	24.4	66.2	50.4
Cobalt	2.5 – 60 **	0.5	30 or SB		8.4 J	45.2 J	9	10.3	7.7	22.9	11.1
Copper	1-50	0.25	25 or SB		80.4 J	497 J	54 J	419 J	55.7 J	348 J	282 J
Iron	2,000 - 550,000	1.0	2,000 or SB		36300 J	196000 J	43400	206000	22600	172000	38200
Lead	***	0.03	SB ****		20600 J	5240 J	88.6 J	2540 J	166 J	2110 J	832 J
Magnesium	100 - 5,000	50.0	SB		4740	2020	3820	2820	4460	5090	3810
Manganese	50 - 5,000	0.15	SB		317 J	1180 J	372	1100	274	906	308
Mercury	0.001- 0.2	0.002	0.1		0.22	0.39	0.16	0.14	0.042	0.066	0.52
Nickel	0.5- 25	0.4	13 or SB		25.4 J	125 J	24.5	54.2	48.8	61.4	35.6
Potassium	8,500 - 43,000 **	50.0	SB		4650	1560	2980	1300	3690	6540	1670
Selenium	0.1- 3.9	0.05	2 or SB		0.87 UJ	0.91 UJ	1 J	0.88 UJ	1 UJ	0.93 UJ	1.2 UJ
Silver	N/A	0.1	SB		1.6	2.8	0.24	4.9	0.21 U	1.4	2
Sodium	6,000 - 8,000	50.0	SB		923 J	2990 J	823	1680	166	594	561
Thallium	N/A	0.1	SB		1.1 UJ	1.1 U	1.2 U	1 U	2 UJ	1.1 U	1.4 U
Vanadium	1-300	0.5	150 or SB		31.4	43.8	33.3	99.5	32.6	33.2	37.1
Zinc	9-50	0.2	20 or SB		363 J	1900 J	172 J	4810 J	143 J	766 J	1030 J

Notes:

Eastern USA Background, CRDL, RSCO, and Results presented in mg/kg
CRDL = Contract Required Detection Limit
N/A - is not available
U - Analyzed for, but not detected
J - estimated value
UJ - Not detected at estimated value

R - Value rejected, data not useable
SB= Site Background
Shaded cells represent detections above Eastern USA Background range
** New York State background
*** As per TAGM #4046, background levels in metropolitan or suburban areas range from 200-500 ppm

TABLE 3-7
Summary of Soil Analytical Results - Target Analyte List (TAL) Metals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Eastern USA Background mg/kg	CRDL mg/kg	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	ERM48D 11/21/00 4'-5'	ERM48E 11/21/00 5'-6'	ERMWETLAND-1 11/21/00 0 - 0.5	ERMWETLAND-2 11/21/00 0 - 0.5	SB-1 11/21/00 0 - 0.5	SB-2 11/21/00 0 - 0.5
Aluminum	33,000	2.0	SB		11200	17000	10200	10000	12900	15600
Antimony	N/A	0.6	SB		R	2.9 J	R	R	3.3 J	8.3 J
Arsenic	3-12 **	0.1	7.5 or SB		3.6 UJ	7.1 J	11 J	7.1 J	8.2 J	14.8 J
Barium	15-600	2.0	360 or SB		131	346	392	195	245	449
Beryllium	0-1.75	0.05	0.16 (HEAST) or SB		0.41	0.31	0.99	0.64	0.3	0.27
Cadmium	0.1-1	0.05	1 or SB		0.11 UJ	0.8 J	0.65 J	0.41 UJ	1.8 J	3.1 J
Calcium	130 - 35,000 **	50.0	SB		8310 J	11300 J	8200 J	8420 J	7600 J	9270 J
Chromium	1.5 - 40 **	0.1	10 or SB		40.7	70.2	26.7	26.3	50.9	194
Cobalt	2.5 – 60 **	0.5	30 or SB		8.8	13.6	4.4	4.3	9.2	12.6
Copper	1-50	0.25	25 or SB		31.5 J	114 J	29.4 J	23.1 J	174 J	625 J
Iron	2,000 - 550,000	1.0	2,000 or SB		20500	43400	8410	9000	64100	74400
Lead	***	0.03	SB ****		59.8 J	358 J	86.1 J	96.8 J	3880 J	1040 J
Magnesium	100 - 5,000	50.0	SB		8390	10100	3510	3550	5440	5730
Manganese	50 - 5,000	0.15	SB		374	460	88	71.9	549	766
Mercury	0.001- 0.2	0.002	0.1		0.097	0.18	0.3	0.19	0.49	0.58
Nickel	0.5- 25	0.4	13 or SB		27.5	36	21.3	18.8	39.9	122
Potassium	8,500 - 43,000 **	50.0	SB		4530	11100	564	682	4750	5000
Selenium	0.1- 3.9	0.05	2 or SB		1.1 UJ	0.98 UJ	5 UJ	4.1 UJ	1 UJ	1.1 UJ
Silver	N/A	0.1	SB		0.21 U	0.76	0.99 U	0.83 U	1.9	3.2
Sodium	6,000 - 8,000	50.0	SB		143	380	333	201	211	500
Thallium	N/A	0.1	SB		1.6 UJ	2 UJ	5.9 U	5 U	1.2 U	1.3 U
Vanadium	1-300	0.5	150 or SB		34.2	53.3	43.6	35.3	38.2	47.4
Zinc	9-50	0.2	20 or SB		101 J	324 J	147 J	54.8 J	805 J	1400 J

Notes:

Eastern USA Background, CRDL, RSCO, and Results presented in mg/kg
CRDL = Contract Required Detection Limit
N/A - is not available
U - Analyzed for, but not detected
J - estimated value
UJ - Not detected at estimated value

R - Value rejected, data not useable
SB= Site Background
Shaded cells represent detections above Eastern USA Background range
** New York State background
*** As per TAGM #4046, background levels in metropolitan or suburban areas range from 200-500 ppm

TABLE 3-7
Summary of Soil Analytical Results - Target Analyte List (TAL) Metals
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Eastern USA Background mg/kg	CRDL mg/kg	Recommended Soil Cleanup Objectives (RSCO) mg/kg	SAMPLE ID DATE DEPTH (ft)	SB-3 11/21/00 0 - 0.5	SB-4 11/21/00 0 - 0.5	SB-5 11/21/00 0 - 0.5	SS-11ERM 11/21/00 0 - 0.5	SS-13ERM 11/21/00 0 - 0.5	SS-4ERM 11/21/00 0 - 0.5	SS-8ERM 11/21/00 0 - 0.5	DUP112000 SS-8ERM 11/21/00 0 - 0.5
Aluminum	33,000	2.0	SB		22100	12600	11600	20200	16800	17700	16400	18700
Antimony	N/A	0.6	SB		18.6 J	R	1.1 U	R	R	R	R	R
Arsenic	3-12 **	0.1	7.5 or SB		13.4 J	4.3 J	3	8.4 J	7 J	8.6 J	9.8 J	8.9 J
Barium	15-600	2.0	360 or SB		395	110	130	111	132	110	64.5	71.9
Beryllium	0-1.75	0.05	0.16 (HEAST) or SB		0.34	0.48	0.59	0.78	0.79	0.82	0.64	0.64
Cadmium	0.1-1	0.05	1 or SB		2.7 J	0.097 UJ	0.11 U	0.12 UJ	0.1 UJ	0.14 UJ	0.12 UJ	0.13 UJ
Calcium	130 - 35,000 **	50.0	SB		8640 J	4650 J	4600	783 J	1330 J	1560 J	619 J	860 J
Chromium	1.5 - 40 **	0.1	10 or SB		83.4	21.1	59.6	37.5	46.6	45.7	49.1	50.6
Cobalt	2.5 – 60 **	0.5	30 or SB		14.1	9.4	13.5	7.5	8.2	9	7.7	8.1
Copper	1-50	0.25	25 or SB		729 J	22.3 J	31.9	24 J	23 J	27.4 J	24.8 J	24.6 J
Iron	2,000 - 550,000	1.0	2,000 or SB		106000	19500	23100	22100	18700	19900	22700	23100
Lead	***	0.03	SB ****		1330 J	126 J	75.3 J	99.6 J	83 J	105 J	122 J	123 J
Magnesium	100 - 5,000	50.0	SB		4930	6100	10800	4770	6280	6370	4920	5270
Manganese	50 - 5,000	0.15	SB		1110	403	536	434	670	716	429	484
Mercury	0.001- 0.2	0.002	0.1		0.75	0.088	0.13	0.3	0.22	0.31	0.35	0.34
Nickel	0.5- 25	0.4	13 or SB		130	19.1	94.5	19.2	24	19.8	21.4	23.3
Potassium	8,500 - 43,000 **	50.0	SB		3380	4410	4350	1050	2100	1520	787	1030
Selenium	0.1- 3.9	0.05	2 or SB		1.3 UJ	0.97 UJ	1.1 U	1.5 J	1.3 J	1.4 UJ	1.3 J	1.6 J
Silver	N/A	0.1	SB		4.5	0.19 U	0.23 U	0.24 U	0.22	0.27 U	0.23 U	0.26 U
Sodium	6,000 - 8,000	50.0	SB		555	99.8	125	51.9	59.6	75.3	41.8	59.6
Thallium	N/A	0.1	SB		1.5 U	1.2 UJ	1.4 U	1.4 U	1.4 UJ	1.6 U	1.4 U	2 UJ
Vanadium	1-300	0.5	150 or SB		35.7	26	35.3	58.5	48.3	50.8	59.7	61.2
Zinc	9-50	0.2	20 or SB		1710 J	104 J	127 J	71.6 J	76.3 J	82.8 J	61.9 J	67.9 J

Notes:

Eastern USA Background, CRDL, RSCO, and Results presented in mg/kg
CRDL = Contract Required Detection Limit
N/A - is not available
U - Analyzed for, but not detected
J - estimated value
UJ - Not detected at estimated value

R - Value rejected, data not useable
SB= Site Background
Shaded cells represent detections above Eastern USA Background range
** New York State background
*** As per TAGM #4046, background levels in metropolitan or suburban areas range from 200-500 ppm

Section 4

Section 4

4.0 *EVALUATION OF SOIL AND SEDIMENT DATA*

This section evaluates the TAR-1 sample with respect to TCLP criteria and reviews the surface soil data from the additional investigation with respect to human health and ecological impacts.

4.1 *NORTHWESTERN SECTION*

Eight additional borings were installed in the northwestern section of the property in the vicinity of borings ERM-48 and Coneco-41 where the black tarry material had previously been observed. Two borings were located to the south, three to the north and three to the east of those original borings. Small amounts of the black tarry material were only observed in borings ERM-48A and ERM-48D, located approximately 10 feet and 35 feet, respectively, to the north of the original observations made by Coneco and ERM.

The April 2000 Final Site Investigation Site Assessment Report presented analyses of the black tarry material observed in these borings (ERM-48 and Coneco-41). It is essentially composed of PAHs with associated low concentrations of metals, both are characteristic of tar and asphalt. To assess whether this material was impacting the adjacent property or could impact groundwater, TCLP extraction and analyses were carried out to assess the potential for constituent migration.

Analytical results indicate that the leachable metals contained in the sample (TAR-1) were all below TCLP criteria. Because there are no TCLP criteria for PAHs, the concentrations of the PAHs in the TCLP extract were compared to TOGS 1.1.1 Ambient Water Criteria. All PAH concentrations were below appropriate criteria.

This conclusion is also supported by the data obtained during the June 1998 Site Investigation. During this investigation, TCLP analyses of soil samples containing PAHs were carried out. TCLP extracts did not exceed TAGM 4046 criteria, suggesting that any PAHs present in the soil at the Site would not affect groundwater or adjacent property. Finally, PAHs detected in the soil samples collected from borings installed along the property line were at concentrations below the method detection limit or at low concentrations.

The "black tarry material" appears to be limited to a small area, more than 4-feet below land surface in the northwestern section of the Site. The PAHs in this material are not mobile and have not impacted the adjacent property or groundwater. The leaching tests indicate that future impacts to these media will not occur. Because the "black tarry material" is located more than 4-feet below land surface, the potential for direct contact is low, with the exception of potential future excavation or Site construction.

4.2 *EVALUATION OF HUMAN HEALTH IMPACTS*

Table 4-1 presents a summary of all surface soil data and surface sediment data for samples collected from the ground surface to two inches bgs. Sediment data are included in this table because direct contact with sediments by trespassers could potentially occur. Table 4-1 compares the maximum detected concentration in the above samples to the TAGM 4046 RSCOs. Since the majority of the RSCOs for these chemicals refer to site background, this table also includes background concentrations for eastern USA soils as cited in TAGM 4046.

As shown in Table 4-1, the maximum detected concentrations of all but eight of the inorganics detected at the Site are within background

concentrations. For the remaining eight inorganics, the maximum detected concentration was compared to the USEPA Region III Risk-Based Concentration (RBC), a risk-based acceptable level based on residential soil use (ingestion of soil). As shown in Table 4-1, the maximum detected concentrations of seven of the eight inorganics that were detected above TAGM 4046 RSCOs (antimony, cadmium, copper, mercury, nickel, silver, and zinc) are below their USEPA Region III respective risk-based acceptable levels for residential soils.

The maximum detected concentration of arsenic in surface soils was 14.8 mg/kg, which is above the USEPA Region III RBC of 0.43 mg/kg for arsenic in residential soil. Although the concentration of arsenic in all the surface soil samples was above the RBC, it is still within the background range for eastern US soils of less than 0.1 mg/kg to 73 mg/kg as reported by Shacklette and Boerngen (1984). Therefore, this concentration is indistinguishable from naturally occurring arsenic in residential soil in this area.

The USEPA has not established a RBC for lead. However, USEPA recently (December 26, 2000) issued new standards for lead in soil. According to these standards, lead is considered a hazard if the average concentration in bare soil in residential yards (excluding bare soil in children's play areas) is greater than 1,200 mg/kg. Two sampling locations had lead concentrations in surface soils above the 1,200 mg/kg USEPA acceptable average concentration (SB-01 - 3880 mg/kg and SB-03 - 1330 mg/kg). However, the site-wide average concentration of lead in surface soil (640 mg/kg) is below the USEPA acceptable average level.

The Site is bordered on two sides by residential properties and does not have fencing. The potential for trespassers at the Site does exist, and evidence of trespassers has been observed at the Site (i.e., trash and beer

cans discarded in the area of the southern berm). However, since the media of concern is soil, there are no known off-site exposure points.

In summary, while there is the potential for exposure through direct contact with surface soil, the concentrations of residual metals generally are within background levels, or, if above background levels, are below the residential RBCs. Finally, the average concentration of lead in surface soil is below the USEPA acceptable average concentration for lead in bare soil in residential yards.

4.3 *EVALUATION OF ECOLOGICAL IMPACTS*

Table 4-2 presents a summary of the maximum inorganics concentrations in the two surface sediment samples collected at the Site. Table 4-2 compares the maximum detected concentration to the Lowest Effect Level (LEL) and Severe Effect Level (SEL) from NYSDEC's Technical Guidance for Screening Contaminated Sediments (March 1998). The maximum detected concentrations of the eight inorganics are above their respective LELs, but below the SELs. The SELs are not exceeded. The NYSDEC guidance document states that: "For metals, if Severe Effect Levels are exceeded in significant portions of the ecosystem of concern, biota are most likely impaired and to achieve restoration of the ecosystem would likely require remediation of metals present" (pg. 18). Because the SELs are not exceeded, impacts to biota are unlikely and active remediation is not required.

As reported in the Final Site Assessment Report (ERM April 2000), sediment samples were collected from the eastern buffer zone (seasonal wetland) and pond and were analyzed for VOCs, SVOCs, PCBs and pesticides. To evaluate potential impacts from SVOCs in the samples from the wetland area, ERM compared the PAH Sediment Criteria

derived from the NYSDEC Division of Fish, Wildlife and Marine Resources Guidance for Screening Contaminated Sediment (January 1999) with the highest observed concentration of benzo[a]pyrene (BaP). BaP was selected as an indicator because it is considered the most potent carcinogen of the PAHs detected at the site. Using the average organic carbon concentration determined from the ERMWETLAND-1 and ERMWETLAND-2 samples (301,000 mg/kg), the PAH sediment criteria (human health) can be calculated:

PAH Sediment Criteria = 1.3 ug/gram Organic Carbon x 301 g Organic Carbon/kg

= 391.3 ug/kg

The highest observed concentration of BaP was 310 ug/kg, a value below the derived sediment criteria. PAHs in the eastern buffer zone therefore do not present a potential for exposure.

All VOCs were below their respective sediment criteria. Pesticides were detected including 4,4'-DDE, 4,4'-DDD, 4,4-DDT, alpha-chlordane, gamma-chlordane. However, no on-Site (at 500 Mamaroneck Avenue) sources of pesticides have been identified. The semi-rural nature of the surrounding properties, including a farm and uses for DDT and chlordane that include mosquito, termite and turf pest control suggest that the 500 Mamaroneck Avenue property is not the source of these compounds. Aroclor-1242, Aroclor-1254, and Aroclor-1260 (PCBs) were detected above the human health bioaccumulation criteria in sediment at the Site. However, the pond at the Site is seasonal, i.e., dry in the summer, and cannot therefore be a source of fish that would potentially be consumed by humans. Therefore, these concentrations do not present a potential for exposure through ingestion. The concentration of the PCBs in the sediment sample were below the TAGM 4046 RSCO for surface soil and

PCBs therefore do not present a potential for exposure during periods when the wetland dries out.

Table 4-1
Evaluation of Human Health Impacts for Constituents Above Soil Background
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

Chemical	Maximum Detected Concentration(1) (mg/kg)	TAGM 4046 RSCO(2) (mg/kg)	Eastern USA Background from TAGM 4046(3) (mg/kg)	Risk-Based Acceptable Level for Residential Soil(7) (mg/kg)
Aluminum	22100	SB	33,000	
Antimony	18.6	SB	NA	31
Arsenic	14.8	7.5 or SB	3 - 12(4), <0.1 - 73(5)	
Barium	449	300 or SB	15 - 600	
Beryllium	0.99	0.16 or SB	0 - 1.75	
Cadmium	3.1	1 or SB	0.1 - 1	78
Calcium	9270	SB	130 - 35,000	
Chromium	194	10 or SB	1.5 - 40(4), 1 - 1,000(5)	
Cobalt	14.1	30 or SB	2.5 - 60(4)	
Copper	729	25 or SB	1 - 50	3100
Iron	106000	2,000 or SB	2,000 - 550,000	
Lead	3880	SB	4 - 500(6)	1200(8)
Magnesium	10800	SB	100 - 5,000, 50-50000(5)	
Manganese	1110	SB	50 - 5,000	
Mercury	0.75	0.1	0.001 - 0.2	7.8(9)
Nickel	130	13 or SB	0.5 - 25	1600
Potassium	5000	SB	8,500 - 43,000(4)	
Selenium	1.5	2 or SB	0.1- 3.9	
Silver	4.5	SB	N/A	390
Sodium	555	SB	6,000 - 8,000	
Vanadium	59.7	150 or SB	1 - 300	
Zinc	1710	20 or SB	9 - 50	23000

(1) Includes soil and wetland samples.
(2) TAGM 4046 Recommended Soil Cleanup Objective.
(3) Except as noted.
(4) Value listed is New York State background level as cited in TAGM 4046.
(5) Value listed is background range for eastern US soils from Shacklette and Boerngen, 1984.
(6) Average values in undeveloped, rural areas = 4 - 61 mg/kg.
Average values in metropolitan or suburban areas = 200 - 500 mg/kg.
(7) From USEPA Region III Risk-Based Concentration (RBC) table dated 10/5/2000.
Value is provided for those chemicals detected at concentrations in excess of background.
(8) According to USEPA standards, lead is considered a hazard if the average concentration in bare soil in residential yards (excluding bare soil in children's play areas) is greater than 1200 mg/kg (USEPA, 2000).
The average concentration of lead in all samples at the site is 640 mg/kg.
(9) RBC for methylmercury.

Note:
SB = Site Background

Table 4-2
Evaluation of Ecolgical Impacts: Sediment Results
Final Site Investigation
500 Mamaroneck Avenue, Harrison, New York

CONSTITUENT	Maximum Detected Concentration (mg/kg)	Sediment Criteria[1] LEL (mg/kg)	SEL (mg/kg)
Aluminum	10200		
Arsenic	11	6	33
Barium	392		
Beryllium	0.99		
Cadmium	0.65	0.6	9
Calcium	8420		
Chromium	26.7	26	110
Cobalt	4.4		
Copper	29.4	16	110
Iron	9000	20,000	40,000
Lead	96.8	31	110
Magnesium	3550		
Manganese	88	460	1100
Mercury	0.3	0.15	1.3
Nickel	21.3	16	50
Potassium	682		
Sodium	333		
Vanadium	43.6		
Zinc	**147**	120	270

Notes:
LEL: Lowest Effect Level
SEL: Severe Effect Level
Bold characters and shaded cells represent detection above the LEL

1. *LEL and SEL values are from "Technical Guidance for Screening Contaminated Sediments" January 1999 New York State Department of Environmetnal Conservation Division of Fish, Wildlife and Marine Resources.*

Section 5

5.0 *CONCLUSIONS*

The Supplemental Investigation carried out in November 2000 was designed to address issues raised in the July 13, 2000 comment letter from the NYSDEC. Specifically, samples were to be collected to:

- Define potential impacts to off-Site properties posed by the black "tarry material" detected by ERM and Coneco Environmental Corporation in the northwestern section of the property, and
- Define metals concentrations in the eastern buffer zone and southern berm, to evaluate potential risks posed by these constituents.

5.1 *NORTHWESTERN SECTION*

The northwestern section investigation results were discussed in Section 3.0 and 4.0. SVOCs (PAHs) were detected above TAGM 4046 RSCOs in five of eight samples. PCBs were detected below their TAGM 4046 RSCOs. TCLP results for the TAR-1 sample collected from this area were below TCLP criteria for metals, and the PAH concentrations in the TCLP extracts were below TOGS 1.1.1 ambient water quality standards and guidance values. All of the samples from the northwestern section were collected from between 4 and 8 feet bgs.

5.2 *BUFFER ZONE AND SOUTHERN BERM*

The buffer zone investigation results were discussed in Section 3.0 and Section 4.0. Based on the data collected during the supplemental investigation, with the exception of lead, the concentrations of residual metals are generally within background levels or are below the residential RBCs. The lead concentration in two surface soil samples was above background concentrations; however, concentrations were below the

USEPA acceptable average concentration of lead in bare soil in residential yards.

5.3 *VOLUNTARY CLEANUP PLAN CONSIDERATIONS AND RECOMMENDATIONS*

As indicated in the April 2000 Final Site Investigation Site Assessment Report, the Volunteer (500 Mamaroneck Avenue Associates (MAA)) and the current owner have defined the nature and extent of the contamination at the Site.

The NYSDEC required this supplemental study to provide data to refine the potential risks posed by conditions at the site. Residual lead and PAHs present in the southern berm present a potential for direct contact exposure to trespassers and workers at the Site. In addition, PAHs in the northwestern section present limited potential for direct contact if excavation were to occur in this area.

Based on these findings, ERM will prepare a separate Remedial Action Work Plan (RAWP) on behalf of MMA for submittal and review by the NYSDEC. The RAWP will describe the proposed measures that will be implemented to control/minimize the potential for direct contact exposures in the future. The RAWP will include a long-term maintenance plan that identifies requirements for any future excavation at the Site, , and an annual certification that the engineering controls are still in place and effective.

Further, a deed restriction will be enacted that will limit use of the property to the uses identified under the VCA, and require notification to NYSDEC if the Site is to be developed for other uses.

The remedial measures in the VCP will, at a minimum, make the Site protective for human health and the environment under the uses described in the deed restriction. These remedial measures will be detailed in the RAWP.

Section 6

Section 6

6.0 *REFERENCES*

Environmental Resources Management. Final Investigation Site Assessment Report, 500 Mamaroneck Avenue, Harrison, New York, Volumes I and II. April 2000.

Environmental Resources Management. Site Assessment Report, 500 Mamaroneck Avenue, Harrison, New York. June 1998.

NYSDEC. Division of Fish, Wildlife and Marine Resources "Technical Guidance for Screening Contaminated Sediments. January 1999.

NYSDEC. Technical and Administrative Memorandum 4046 Determination of Soil Clean-Up Objectives and Clean-Up Levels. January 1994.

NYSDEC. Ambient Water Quality Standards and Evidence Values and Groundwater Effluent Limitations. June 1998.

Shacklette, H.T. and J.G. Boerngen, 1984. Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States. USGS Professional Paper 1270.

40 CFR Part 261.3 – Toxicity Characteristic

Appendix

Appendix

APPENDIX A

Data Usability Summary Report
Soil Sample Analyses

DATA USABILITY SUMMARY REPORT (DUSR)
500 MAMARONECK ASSOCIATES
500 MAMARONECK AVENUE, MAMARONECK, NEW YORK
SOIL SAMPLE ANALYSIS
ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)
PROJECT NUMBER X8101.00.01
SEVERN TRENT LABORATORIES, SHELTON, CONNECTICUT
SAMPLE DELIVERY GROUP (SDG)
NUMBERS 7000-2686A and 7000-2686B

Deliverables:

The above referenced data summary packages and sample data packages for twenty (20) soil samples, two (2) blind field duplicates, and one (1) set of matrix spike/matrix spike duplicate (MS/MSD) samples contains all required deliverables as stipulated under the 1995 New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) for Category B deliverables. The sample specific analysis performed included Target Compound List (TCL) semivolatile organic compounds (SVOC), analyzed by ASP Method 95-2 and Target Analyte List (TAL) metals analyzed by NYSDEC ASP CLP Methods for Inorganics, Exhibit D Part V (10/95). The sample specific analysis performed also included polychlorinated biphenyl compounds (PCBs) analyzed by United States Environmental Protection Agency (USEPA) SW-846 Method 8082 and total organic carbon (TOC) by USEPA Methods 9060 following *"Test Methods for Evaluation Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*. Sample (TAR-1) was analyzed by Toxicity Characteristic Leaching Procedure (TCLP) USEPA Method 1311 for Polynuclear Aromatic Hydrocarbon (PAH) analysis by a USEPA Method 8270C and Resource Conservation and Recovery Act (RCRA) metals analysis by inductively coupled plasma atomic emission spectroscopy (ICP) USEPA Method 6010B, with mercury by cold vapor atomic absorption (AA), Method 7470A. The data have been evaluated according to the protocols and quality control (QC) requirements of the analytical methods, the ASP, the USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic (Inorganic) Data Review (February 1994), the USEPA Region II CLP Data Review Standard Operating Procedure (SOP), and the reviewer's professional judgment.

This report pertains to the following samples. Note that all samples are contained in SDG 7000-2686A, except for TAR-1 and SB-5 which are contained in SDG 7000-2686B.

Samples

SS-13ERM	SB-2	ERM31B (6'-8')
SS-11ERM	SB-3	ERM31A (7'-8')
ERMWETLAND-1	SB-4	ERM31C (7'-8')
ERMWETLAND-2	ERM48A (7'-8')	ERM48E (5'-6')
SS-8ERM	ERM48B (7'-8')	TAR-1
SS-4ERM	ERM48C (6'-7')	SB-5
SB-1	ERM48D (4'-5')	

QC Samples

DUP112000 (field duplicate of SS-8ERM)
DUP112100 (field duplicate of ERM31B (6'-8'))
ERM48E (5'-6') MS/MSD
Batch QC (TCLP Metals for TAR-1)

- The following table includes samples the laboratory logged into their system incorrectly. The sample IDs have been edited in this report and in the hard copy by the reviewer to reflect the correct sample identifications as they appeared on the chain of custodies (COC).

Incorrect Sample Identification	Correct Sample Identification as per the COC
ERM31CA (7'-8')	ERM31C (7'-8')
ERM48B (6'-8')	ERM31B (6'-8')
TAG-1	TAR-1

Organics

The following items/criteria were reviewed:

- Case narrative and deliverable compliance
- Holding times (both technical and procedural) and sample preservation (including pH and temperature)
- Surrogate compound recoveries and summaries
- MS/MSD results, recoveries and summaries
- Matrix and method spike blank recoveries and summaries
- Method blank summary
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning and performance
- Initial and continuing calibration summaries

- Internal standard areas, retention times and summaries
- Field duplicate results
- Organic analysis data sheets (Form I)
- GC/MS chromatograms mass spectra and quantitation reports
- Quantitation/detection limits
- Qualitative and quantitative compound identification

The items listed above have been judged to be in compliance with the analytical methods and with the ASP criteria with the exceptions discussed in the text below. The data have evaluated according to the procedures outlined above and qualified accordingly.

Semivolatiles

- Surrogate percent recoveries (%R) for samples ERM48A (7'-8') and ERM48D (4'-5') were diluted out. This has been indicated by the laboratory with a "D" on the surrogate recovery summary form (Form 2D). No qualification of sample data is required when surrogates are diluted out.

- The %R for hexachloroethane (35%; QC limit 40-113%) and 2,4-dimethylphenol (63%; QC limit 64-238%) were below QC limits for the method spike, SBLKFS. Results for hexachloroethane and 2,4-dimethylphenol in all samples are considered estimated, with positive results flagged "J" and non-detects flagged "UJ".

- The %R for pentachlorophenol was below QC limits for the MS/MSD analysis of sample ERM48E (5'-6') (14% and 12% respectively; QC limits 17-109%). The %R for pyrene was above QC limits (35-142%) in the MS analysis (574%) of sample ERM48E (5'-6') and below in the MSD analysis (5%). This can be attributed to the elevated concentration of pyrene in the unspiked portion of the sample. The relative percent difference (%RPD) for acenaphthene (47%; QC limit 19%) and pyrene (200%; QC limit 36%) were above QC limits. Qualification of data is not performed based on MS/MSD results alone. A positive result for these compounds in the unspiked sample only are considered estimated with positive detects flagged "J" and non-detects flagged "UJ".

- The following table lists samples that were analyzed at dilutions due to the presence of high levels of target compounds. The

laboratory has reported only this analysis. No qualification of sample data is required.

Sample	Dilution Factor
ERM48A (7'-8')	50x
ERM48C (6'-7')	4x
ERM48D (4'-5')	200x
ERM48E (5'-6')	4x

- The following table lists compounds that exceeded 25 percent difference (%D) between the initial calibration (ICAL) average response factor and the continuing calibration (CCV) response factor. Associated samples are listed. Positive results for these compounds in the associated samples are considered estimated and flagged "J". Non-detect results for the compounds of interest in the associated samples are also estimated and flagged "UJ".

Calibration	Compound	Deficiency	Associated Samples
CCV 12/13/00 @10:25	4-nitrophenol 4-nitroaniline	%D=44.6 %D=37.6	ERM48A (7'-8'), ERM48B (7'-8')
CCV 12/14/00 @10:33	4-nitrophenol 4-nitroaninle	%D=35.8 %D=25.4	ERM48C (6'-7'), ERM31C (7'-8'), ERM31A (7'-8'), DUP112100, ERM31B (6'-8')
CCV 12/15/00 @11:13	4-nitrophenol 4-nitroaninle	%D=38.5 %D=27.3	ERM48D (4'-5'), ERM48E (5'-6')

- The following table lists blanks, blank contaminants with concentrations, and the associated samples. Common laboratory phthalate contaminants (bis(2-ethylhexyl)phthalate, etc.) are negated in a sample if the sample concentration is less than or equal to ten times the highest associated blank concentration. For all other compounds, an action level of five times the highest associated blank concentration is used. Concentrations of TICs in samples less than five times the associated blank concentration will be negated as laboratory contamination and flagged "R".

Blank	Contaminant	Concentration (Action Level)	Associated Samples
SBLKFS	bis(2-ethylhexyl)phthalate TIC @ 10.08	280J (2800 μg/kg) 160J (800 μg/kg)	All samples

- The following table lists samples and field duplicate pairs containing positively identified target compounds with concentrations differing by more than the 50%D QC criteria indicating poor precision. As a result, the concentrations of the listed compounds in each sample are considered estimated and flagged "J". Compounds that have been negated due to blank contamination have not been included.

Sample/Field Duplicate	Compound
ERM31B (6'-8') / DUP112100	naphthalene, 2-methylnaphthalene, acenaphthalene, acenaphthene, dibenzofuran, diethylphthalate

Polychlorinated Biphenyls (PCBs)

- The %R for surrogate decachlorobiphenyl (DCB) was above QC limits (39-171%) for samples ERM48B (7'-8') (172%) and ERM48A (7'-8') (202%). When DCB is outside QC limits, PCB Aroclors are qualified. A high %R indicates a potential high bias in the sample results. Positive results only are qualified as estimated and flagged "J" for a high surrogate %R while non-detects do not require qualification.

- Sample ERM48D (4'-5') was analyzed at a two fold (2x) dilution due to the presence of high levels of target compounds. The laboratory has reported only this analysis. No qualification of sample data is required.

- The following table lists samples, detected analytes, and the calculated concentration percent difference (%D) between the DB-1701 and the RTX-35 columns greater than the 25% QC limit. These positive values are considered estimated and flagged "J".

Sample	Analytes	%D between DB-1701 and RTX-35 columns
ERM48A (7'-8')	PCB-1232	51.7%
ERM48B (7'-8')	PCB-1260	40.0%
ERM48C (6'-7')	PCB-1232	50.0%
ERM48D (4'-5')	PCB-1254 PCB-1260	73.9% 90.9%
ERM31A (7'-8')	PCB-1232 PCB-1254	64.3% 47.8%
ERM31C (7'-8')	PCB-1254	63.6%

- The percent difference (%D) for Aroclor-1260 was above QC limits in the closing calibration standards on both columns for all samples (17% and 21% respectively for the DB-1701 column; QC limit 15%,). All sample results for this compound are therefore considered estimated with positive results flagged "J" and non-detects flagged "UJ".

TCLP Polynuclear Aromatic Hydrocarbons (TCLP PAHs)

- Due to a limited sample volume, sample TAR-1 was prepared at a reduced volume. No qualification of sample data is required.

- The following table lists compounds that exceeded 25 percent difference (%D) between the initial calibration (ICAL) average response factor and the continuing calibration (CCV) response factor. Associated samples are listed. Positive results for these compounds in the associated samples are considered estimated and flagged "J". All non-detect results for the compound of interest in the associated samples are also estimated and are flagged "UJ".

Calibration	Compound	Deficiency	Associated Samples
CCV	indeno(1,2,3-cd)pyrene	%D=31.1	TAR-1
12/14/00	dibenz(a,h)anthracene	%D=28.1	
@12:19	benzo(g,h,i)perylene	%D=36.0	

Inorganics

The following items/criteria were reviewed:

- Case narrative and deliverable requirements
- Holding times and sample preservation
- Detection limits
- Inorganic analysis data sheets (Form I)
- Initial and continuing calibration verifications
- Contract Required Detection Limit (CRDL) standard analysis
- Lab blank data
- ICP interference check sample (ICS) analysis
- Matrix spike analysis
- Matrix spike duplicate analysis
- Laboratory control sample (LCS) results
- ICP serial dilution analysis

The items listed above have been judged to be in compliance with the analytical methods and with the ASP criteria with the exceptions discussed in the text below. The data have evaluated according to the procedures outlined above and qualified accordingly.

Metals

- The percent recovery (%R) for selenium was above QC limits in the continuing calibration verification (CCV) analyzed on 28 December 2000 at 12:12 (111.1%; QC limit of 90-110%). A positive result for selenium in the samples applicable to this CCV are possibly biased high and have been qualified as estimated and flagged "J" while non-detects do not require qualification.

- CRDL standard recoveries were outside of the 80% - 120% USEPA Region II QC limits for thallium (136.9%) in SDG 7000-2686A. Recoveries greater than 120% may indicate a potential high bias in positive sample results at concentrations near the CRDL. Positive concentrations for the affected metals in SDG 7000-2686A should be considered estimated and flagged "J" at concentration less than or equal to two times that metal's CRDL, while non-detects do not require qualification. Positive detects that have been negated due to blank contamination are also considered estimated and flagged "UJ".

- CRDL standard recoveries were outside of the 80% - 120% USEPA Region II QC limits for zinc (131.8%) and lead (147.8%) in SDG 7000-2686B applicable to sample SB-5. Recoveries greater than 120% may indicate a potential high bias in positive sample results at concentrations near the CRDL. Positive concentrations for zinc and lead in sample SB-5 are considered estimated and flagged "J".

- The spike sample %R for antimony (18.1%) arsenic (57.9%), cadmium (33.2%), copper (12.2%), selenium (67.9%), and zinc (56.9%) were below the QC limit of 75-125% for sample ERM48E (5'-6') indicating a potential low bias for these compounds for the sample results in SDG 7000-2686A. For a %R between 30-74%, results greater than the instrument detection limit (IDL) are considered estimated and flagged "J" and non-detects flagged "UJ". For a %R less than 30%, results

greater than the IDL are considered estimated and flagged "J" and non-detects are rejected and flagged "R".

- The laboratory duplicate analyzed on sample ERM48E (5'-6') in SDG 7000-2686A exhibited an relative percent difference (RPD) greater than the specified 35% QC limit for metals whose concentration in both the sample and duplicate were greater than five times the CRDL or exhibited an absolute difference (a.d.) greater than two times (2x) the CRDL for metals whose concentration in the sample and/or duplicate were less than five times the CRDL for the following analytes: calcium (59.3%) and lead (75.6%). Results are considered estimated and flagged with a "J" for positive detects and "UJ" for non-detects.

- The following table lists the maximum concentration of an analyte detected in a blank, the action level and the samples associated with that blank. Note that the action level is five times the **absolute value** of the highest associated blank concentration. Also note that only blanks that affect sample results have been included. Sample concentrations greater than the IDL and less than the action level are reported with a U. Sample concentrations greater than the IDL and greater than the action level are reported unqualified.

Blank	Metal	Concentration	Action Level (mg/kg)	Associated Samples
ICB	arsenic	0.78	3.9	All samples in SDG 2686A
PB	thallium	1.808	9.04	All samples in SDG 2686A

Note: ICB = initial calibration blank
PB = preparation blank

- The following table lists samples and field duplicate pairs containing positively identified target compounds with concentrations differing by more than the 100%D QC criteria indicating poor precision. As a result, the concentrations of the listed compounds in each sample are considered estimated and flagged "J". Compounds that have been negated due to blank contamination have not been included.

Sample/Field Duplicate	Compound
ERM31B (6'-8') / DUP112100	arsenic, calcium, cobalt, copper, iron, lead, manganese, nickel, sodium, zinc

TCLP Metals

- The spike sample %R for cadmium (69.2%) was below the QC limit of 75-125% for the batch QC applicable to sample TAR-1 indicating a potential low bias. For a %R between 30-74%, results greater than the instrument detection limit (IDL) are considered estimated and flagged "J" and non-detects flagged "UJ".

Total Organic Carbon (TOC)

- No qualification of the sample data is required.

Package Summary:

All data are valid and usable with qualifications as noted in this review.

Signed: Jessica Rizzuto — Dated: 30 January 2001
Jessica Rizzuto
Project Geologist

Signed: Dated: 29 January 2001
Andrew J. Coenen
Project Scientist

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >S1996

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	19000	U
111-44-4	bis(2-Chloroethyl)ether	19000	U
95-57-8	2-Chlorophenol	19000	U
541-73-1	1,3-Dichlorobenzene	19000	U
106-46-7	1,4-Dichlorobenzene	19000	U
95-50-1	1,2-Dichlorobenzene	19000	U
95-48-7	2-Methylphenol	19000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	19000	U
106-44-5	4-Methylphenol	19000	U
621-64-7	N-Nitroso-di-n-propylamine	19000	U
67-72-1	Hexachloroethane	19000	UJ
98-95-3	Nitrobenzene	19000	U
78-59-1	Isophorone	19000	U
88-75-5	2-Nitrophenol	19000	U
105-67-9	2,4-Dimethylphenol	19000	UJ
111-91-1	bis(2-Chloroethoxy)methane	19000	U
120-83-2	2,4-Dichlorophenol	19000	U
120-82-1	1,2,4-Trichlorobenzene	19000	U
91-20-3	Naphthalene	36000	
106-47-8	4-Chloroaniline	19000	U
87-68-3	Hexachlorobutadiene	19000	U
59-50-7	4-Chloro-3-methylphenol	19000	U
91-57-6	2-Methylnaphthalene	18000	J
77-47-4	Hexachlorocyclopentadiene	19000	U
88-06-2	2,4,6-Trichlorophenol	19000	U
95-95-4	2,4,5-Trichlorophenol	48000	U
91-58-7	2-Chloronaphthalene	19000	U
88-74-4	2-Nitroaniline	48000	U
131-11-3	Dimethylphthalate	19000	U
208-96-8	Acenaphthylene	2800	J
606-20-2	2,6-Dinitrotoluene	19000	U
99-09-2	3-Nitroaniline	48000	U
83-32-9	Acenaphthene	24000	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >S1996

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	48000	U
100-02-7	4-Nitrophenol	48000	UJ
132-64-9	Dibenzofuran	27000	
121-14-2	2,4-Dinitrotoluene	19000	U
84-66-2	Diethylphthalate	19000	U
7005-72-3	4-Chlorophenyl-phenylether	19000	U
86-73-7	Fluorene	38000	
100-01-6	4-Nitroaniline	48000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	48000	U
86-30-6	N-Nitrosodiphenylamine (1)	19000	U
101-55-3	4-Bromophenyl-phenylether	19000	U
118-74-1	Hexachlorobenzene	19000	U
87-86-5	Pentachlorophenol	48000	U
85-01-8	Phenanthrene	140000	
120-12-7	Anthracene	40000	
86-74-8	Carbazole	23000	
84-74-2	Di-n-butylphthalate	19000	U
206-44-0	Fluoranthene	120000	
129-00-0	Pyrene	150000	
85-68-7	Butylbenzylphthalate	19000	U
91-94-1	3,3'-Dichlorobenzidine	19000	U
56-55-3	Benzo(a)anthracene	58000	
218-01-9	Chrysene	59000	
117-81-7	bis(2-Ethylhexyl)phthalate	19000	U
117-84-0	Di-n-octylphthalate	19000	U
205-99-2	Benzo(b)fluoranthene	38000	
207-08-9	Benzo(k)fluoranthene	36000	
50-32-8	Benzo(a)pyrene	52000	
193-39-5	Indeno(1,2,3-cd)pyrene	61000	
53-70-3	Dibenz(a,h)anthracene	17000	J
191-24-2	Benzo(g,h,i)perylene	72000	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >S1996

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	36.06	150000	J
02.	UNKNOWN C15H9N ISOMER	23.95	48000	J
03.	UNKNOWN C17H12 PAH	24.06	45000	J
04.	UNKNOWN C20H12 PAH	29.30	31000	J
05.	UNKNOWN C17H12 PAH	24.31	30000	J
06.	UNKNOWN C15H10 PAH	21.92	30000	J
07.	UNKNOWN C16H10O ISOMER	23.85	24000	J
08.	UNKNOWN C17H12 PAH	24.43	22000	J
09.	UNKNOWN C22H12 PAH	35.15	21000	J
10.	UNKNOWN C20H12 PAH	29.69	15000	J
11.	UNKNOWN C14H9N ISOMER	24.14	15000	J
12.	UNKNOWN C18H10 PAH	25.72	12000	J
13.132-65-0	DIBENZOTHIOPHENE	20.38	11000	JN
14.	UNKNOWN	26.36	11000	J
15.90-12-0	NAPHTHALENE, 1-METHYL-	15.40	11000	JN
16.	UNKNOWN C15H12 PAH	21.70	11000	J
17.	UNKNOWN C22H14 PAH	33.79	10000	J
18.	UNKNOWN C16H11N ISOMER	26.60	9300	J
19.	UNKNOWN C15H9N ISOMER	24.20	9100	J
20.	UNKNOWN C22H14 PAH	33.98	9100	J
21.	UNKNOWN C17H12 PAH	24.52	8900	J
22.	UNKNOWN C20H12 PAH	28.81	8800	J
23.	UNKNOWN C16H10S ISOMER	25.59	8600	J
24.	UNKNOWN C16H12 ISOMER	22.24	8600	J
25.	UNKNOWN C15H12 PAH	21.64	8500	J
26.	UNKNOWN C18H12 ISOMER	25.67	6500	J
27.	UNKNOWN C19H14 PAH	26.92	6300	J
28.	UNKNOWN C13H10O ISOMER	19.10	6100	J
29.	UNKNOWN C22H12 PAH	32.97	6100	J
30.	UNKNOWN	25.01	5800	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S1997

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	22	J
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	UJ
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	UJ
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	660	
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	330	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	970	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	58	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	970	U
83-32-9	Acenaphthene	480	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S1997

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	970	U
100-02-7	4-Nitrophenol	970	U J
132-64-9	Dibenzofuran	490	
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	700	
100-01-6	4-Nitroaniline	970	U J
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	790	
86-74-8	Carbazole	500	
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	2400	
129-00-0	Pyrene	3000	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	380 ~~160~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	790	
207-08-9	Benzo(k)fluoranthene	730	
50-32-8	Benzo(a)pyrene	1000	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenz(a,h)anthracene	340	J
191-24-2	Benzo(g,h,i)perylene	1400	

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ERM48B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S1997

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs Found: 28 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.31	630	J
02.	UNKNOWN C15H10 ISOMER	21.91	590	J
03.	UNKNOWN C17H12 PAH	24.31	560	J
04.	UNKNOWN	31.74	550	J
05.	UNKNOWN C17H12 PAH	24.44	540	J
06.	UNKNOWN C20H12 PAH	29.70	390	J
07.	UNKNOWN C16H11N ISOMER	26.59	380	J
08.	UNKNOWN C18H10 PAH	25.73	350	J
09.	UNKNOWN C22H12 PAH	35.16	320	J
10.	UNKNOWN C18H12 PAH	26.36	310	J
11.	UNKNOWN C22H14 PAH	33.80	300	J
12.	UNKNOWN C19H14 PAH	26.93	270	J
13.	UNKNOWN C16H10S ISOMER	25.60	260	J
14.	UNKNOWN ACID	21.59	250	J
15.	UNKNOWN C18H12 PAH	25.66	250	J
16.	UNKNOWN C17H12 PAH	24.07	250	J
17.	UNKNOWN C17H12 PAH	24.53	240	J
18.	UNKNOWN C15H9N ISOMER	23.97	230	J
19.132-65-0	DIBENZOTHIOPHENE	20.39	200	JN
~~20.~~	~~UNKNOWN~~	~~10.08~~	~~200~~	~~JB~~
21.	UNKNOWN C15H12 PAH	21.71	200	J
22.90-12-0	NAPHTHALENE, 1-METHYL-	15.41	190	JN
23.	UNKNOWN C15H12 PAH	21.65	180	J
24.	UNKNOWN C20H212 PAH	28.82	180	J
25.	UNKNOWN	20.86	180	J
26.	UNKNOWN	23.49	170	J
27.	UNKNOWN	24.93	170	J
28.	UNKNOWN C16H10O ISOMER	23.73	160	J
29.				
30.				

R

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2001

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	UJ
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	UJ
111-91-1	bis(2-Chloroethoxy)methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	230	J
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	130	J
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3800	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3800	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	41	J
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3800	U
83-32-9	Acenaphthene	640	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2001

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	UJ
132-64-9	Dibenzofuran	470	J
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	790	J
100-01-6	4-Nitroaniline	3800	UJ
534-52-1	4,6-Dinitro-2-methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	5700	
120-12-7	Anthracene	1700	
86-74-8	Carbazole	840	J
84-74-2	Di-n-butylphthalate	1500	U
206-44-0	Fluoranthene	5800	
129-00-0	Pyrene	6900	
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	3400	
218-01-9	Chrysene	3500	
117-81-7	bis(2-Ethylhexyl)phthalate	1500 ~~260~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	1500	U
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	2400	
50-32-8	Benzo(a)pyrene	2900	
193-39-5	Indeno(1,2,3-cd)pyrene	3200	
53-70-3	Dibenz(a,h)anthracene	1200	J
191-24-2	Benzo(g,h,i)perylene	4100	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2001

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 13 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.30	2200	J
02.	UNKNOWN C17H12 PAH	24.30	1300	J
03.	UNKNOWN C15H10 PAH	21.92	1100	J
04.	UNKNOW C17H12 PAH	24.43	920	JN
05.	UNKNOWN C20H12 PAH	29.69	910	J
06.	UNKNOWN C19H14 PAH	26.93	800	J
07.	UNKNOWN C18H10 PAH	25.73	800	J
08.	UNKNOWN C18H12 PAH	26.36	800	J
09.	UNKNOWN C16H11N ISOMER	26.59	780	J
10.	UNKNOWN C16H10S ISOMER	25.60	680	J
11.	UNKNOWN C17H12 PAH	24.07	580	J
12.	UNKNOWN C20H12 PAH	28.82	540	J
13.	UNKNOWN C18H12 PAH	25.66	530	J
14.	UNKNOWN C17H12 PAH	24.53	520	J
15.	UNKNOWN C17H10O ISOMER	25.80	520	J
16.	UNKNOWN C22H12 PAH	35.13	510	J
17.	UNKNOWN C22H14 PAH	33.79	510	J
18.	UNKNOWN C20H12O ISOMER	29.04	510	J
19.	UNKNOWN C15H9N ISOMER	23.96	510	J
20.	UNKNOWN C16H11N ISOMER	26.48	500	J
21.	UNKNOWN C15H12 PAH	21.71	490	J
22.	UNKNOWN C17H10O ISOMER	25.38	450	J
23.	UNKNOWN C19H14 ISOMER	27.02	400	J
24.	UNKNOWN	27.26	400	J
25.	UNKNOWN C15H12 PAH	21.65	390	J
26.	UNKNOWN	24.15	370	J
27.	UNKNOWN	27.19	370	J
28.	UNKNOWN	29.18	370	J
29.	UNKNOWN	23.44	330	J
30.	UNKNOWN	27.32	320	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48D(4'-5')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S2022

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	73000	U
111-44-4	bis(2-Chloroethyl)ether	73000	U
95-57-8	2-Chlorophenol	73000	U
541-73-1	1,3-Dichlorobenzene	73000	U
106-46-7	1,4-Dichlorobenzene	73000	U
95-50-1	1,2-Dichlorobenzene	73000	U
95-48-7	2-Methylphenol	73000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	73000	U
106-44-5	4-Methylphenol	73000	U
621-64-7	N-Nitroso-di-n-propylamine	73000	U
67-72-1	Hexachloroethane	73000	UJ
98-95-3	Nitrobenzene	73000	U
78-59-1	Isophorone	73000	U
88-75-5	2-Nitrophenol	73000	U
105-67-9	2,4-Dimethylphenol	73000	UJ
111-91-1	bis(2-Chloroethoxy)methane	73000	U
120-83-2	2,4-Dichlorophenol	73000	U
120-82-1	1,2,4-Trichlorobenzene	73000	U
91-20-3	Naphthalene	88000	
106-47-8	4-Chloroaniline	73000	U
87-68-3	Hexachlorobutadiene	73000	U
59-50-7	4-Chloro-3-methylphenol	73000	U
91-57-6	2-Methylnaphthalene	40000	J
77-47-4	Hexachlorocyclopentadiene	73000	U
88-06-2	2,4,6-Trichlorophenol	73000	U
95-95-4	2,4,5-Trichlorophenol	180000	U
91-58-7	2-Chloronaphthalene	73000	U
88-74-4	2-Nitroaniline	180000	U
131-11-3	Dimethylphthalate	73000	U
208-96-8	Acenaphthylene	5000	J
606-20-2	2,6-Dinitrotoluene	73000	U
99-09-2	3-Nitroaniline	180000	U
83-32-9	Acenaphthene	54000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48D(4'-5')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S2022

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	180000	U
100-02-7	4-Nitrophenol	180000	UJ
132-64-9	Dibenzofuran	57000	J
121-14-2	2,4-Dinitrotoluene	73000	U
84-66-2	Diethylphthalate	73000	U
7005-72-3	4-Chlorophenyl-phenylether	73000	U
86-73-7	Fluorene	82000	
100-01-6	4-Nitroaniline	180000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	180000	U
86-30-6	N-Nitrosodiphenylamine (1)	73000	U
101-55-3	4-Bromophenyl-phenylether	73000	U
118-74-1	Hexachlorobenzene	73000	U
87-86-5	Pentachlorophenol	180000	U
85-01-8	Phenanthrene	340000	
120-12-7	Anthracene	90000	
86-74-8	Carbazole	57000	J
84-74-2	Di-n-butylphthalate	73000	U
206-44-0	Fluoranthene	320000	
129-00-0	Pyrene	280000	
85-68-7	Butylbenzylphthalate	73000	U
91-94-1	3,3'-Dichlorobenzidine	73000	U
56-55-3	Benzo(a)anthracene	120000	
218-01-9	Chrysene	130000	
117-81-7	bis(2-Ethylhexyl)phthalate	73000	U
117-84-0	Di-n-octylphthalate	73000	U
205-99-2	Benzo(b)fluoranthene	100000	
207-08-9	Benzo(k)fluoranthene	91000	
50-32-8	Benzo(a)pyrene	120000	
193-39-5	Indeno(1,2,3-cd)pyrene	80000	
53-70-3	Dibenz(a,h)anthracene	23000	J
191-24-2	Benzo(g,h,i)perylene	98000	

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ERM48D(4'-5')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.3 (g/mL) G Lab File ID: >S2022

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 11 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.7

Number TICs Found: 20 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.20	82000	J
02.	UNKNOWN C15H10 ISOMER	21.85	58000	J
03.	UNKNOWN C17H12 PAH	24.24	49000	J
04.	UNKNOWN C17H12 PAH	24.36	43000	J
05.	UNKNOWN C22H12 PAH	34.93	36000	J
06.	UNKNOWN C20H12 PAH	29.58	36000	J
07.	UNKNOWN	25.66	25000	J
08.90-12-0	NAPHTHALENE, 1-METHYL-	15.36	23000	JN
09.	UNKNOWN	26.29	23000	J
10.	UNKNOWN C20H12 PAH	28.72	23000	J
11.	UNKNOWN C16H11N ISOMER	26.53	20000	J
12.	UNKNOWN C15H12 PAH	21.64	20000	J
13.132-65-0	DIBENZOTHIOPHENE	20.32	19000	JN
14.	UNKNOWN C15H9N ISOMER	23.89	17000	J
15.	UNKNOWN C16H10O ISOMER	23.99	17000	J
16.	UNKNOWN C17H12 PAH	24.46	16000	J
17.	UNKNOWN C16H10O ISOMER	23.78	15000	J
18.	UNKNOWN C18H12 ISOMER	25.60	15000	J
19.	UNKNOWN C15H12 PAH	21.58	15000	J
20.	UNKNOWN C16H10S ISOMER	25.54	15000	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM~~48~~31B(6'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2007

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	UJ
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	UJ
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	25	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	40	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	UJ
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	12	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM~~48~~31B(6'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2007

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	UJ
132-64-9	Dibenzofuran	16	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	16	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	21	J
100-01-6	4-Nitroaniline	1000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	23	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	21	J
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	54	J
218-01-9	Chrysene	82	J
117-81-7	bis(2-Ethylhexyl)phthalate	1900	~~B~~ U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	40	J
207-08-9	Benzo(k)fluoranthene	35	J
50-32-8	Benzo(a)pyrene	42	J
193-39-5	Indeno(1,2,3-cd)pyrene	41	J
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	79	J

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ERM~~48~~31B(6'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2007

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 19 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs Found: 28 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN ACID	21.63	1800	J
02.	UNKNOWN	36.31	600	J
03.	UNKNOWN ACID	23.21	570	J
04.	UNKNOWN	23.08	560	J
05.	UNKNOWN	17.21	370	J
06.	UNKNOWN	32.35	370	J
07.	UNKNOWN	25.70	340	J
08.	UNKNOWN	16.79	280	J
09.	UNKNOWN	31.25	280	J
10.	UNKNOWN	29.40	200	J
11.	UNKNOWN	19.82	200	J
~~12.~~	~~UNKNOWN~~	~~10.09~~	~~190~~	~~JB~~ R
13.	UNKNOWN	35.44	170	J
14.	UNKNOWN	18.39	160	J
15.	UNKNOWN	31.76	160	J
16.	UNKNOWN	35.12	160	J
17.	UNKNOWN	18.14	150	J
18.	UNKNOWN	25.93	150	J
19.	UNKNOWN	34.83	140	J
20.	UNKNOWN	33.81	140	J
21.	UNKNOWN	34.03	120	J
22.	UNKNOWN C15H12 PAH	21.71	120	J
23.	UNKNOWN C17H12 PAH	24.80	120	J
24.	UNKNOWN	21.00	120	J
25.	UNKNOWN	27.97	110	J
26.	UNKNOWN	24.93	110	J
27.	UNKNOWN	13.48	110	J
28.	UNKNOWN	23.48	100	J
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP112100

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2006

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	2,2'-oxybis(1-Chloropropane)	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	UJ
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	UJ
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	15	J
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	14	J
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	17	J
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	430	UJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

DUP112100

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2006

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	UJ
132-64-9	Dibenzofuran	8	J
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	UJ
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	14	J
100-01-6	4-Nitroaniline	1100	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenyl-phenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	160	J
120-12-7	Anthracene	22	J
86-74-8	Carbazole	430	U
84-74-2	Di-n-butylphthalate	20	J
206-44-0	Fluoranthene	130	J
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	62	J
218-01-9	Chrysene	110	J
117-81-7	bis(2-Ethylhexyl)phthalate	430 ~~320~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	47	J
207-08-9	Benzo(k)fluoranthene	52	J
50-32-8	Benzo(a)pyrene	56	J
193-39-5	Indeno(1,2,3-cd)pyrene	53	J
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	95	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DUP112100

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2006

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 23 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.7

Number TICs Found: 26 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN ACID	21.63	2500	J
02.	UNKNOWN ACID	23.22	850	J
03.	UNKNOWN	23.08	770	J
04.	UNKNOWN	31.74	320	J
05.	UNKNOWN ACID	19.82	250	J
06.	UNKNOWN C6H14O3 ISOMER	10.34	240	J
07.	UNKNOWN C15H12 PAH	21.70	240	J
08.	UNKNOWN	32.34	230	J
09.	UNKNOWN	31.25	220	J
10.	UNKNOWN	27.88	220	J
11.	UNKNOWN	36.30	220	J
12.	UNKNOWN C15H12 PAH	21.89	180	J
13.	UNKNOWN C17H12 PAH	24.29	180	J
~~14.~~	~~UNKNOWN~~	~~10.08~~	~~180~~	~~JB~~ R
15.	UNKNOWN	23.49	170	J
16.	UNKNOWN	27.85	150	J
17.	UNKNOWN	27.78	150	J
18.	UNKNOWN	27.97	140	J
19.	UNKNOWN	33.73	140	J
20.	UNKNOWN	25.69	140	J
21.	UNKNOWN	23.58	130	J
22.	UNKNOWN	23.75	120	J
23.	UNKNOWN	25.38	120	J
24.	UNKNOWN	34.83	120	J
25.	UNKNOWN C16H14 PAH	22.84	120	J
26.	UNKNOWN	21.48	110	J
27.				
28.				
29.				
30.				

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30.6 (g/mL) G Lab File ID: >S2005

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	29	J
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	230	J
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U J
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U J
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	37	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	26	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	10	J
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	12	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30.6 (g/mL) G Lab File ID: >S2005

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	UJ
132-64-9	Dibenzofuran	19	J
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	45	J
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	19	J
100-01-6	4-Nitroaniline	1000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	24	J
86-74-8	Carbazole	11	J
84-74-2	Di-n-butylphthalate	72	J
206-44-0	Fluoranthene	94	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	47	J
218-01-9	Chrysene	64	J
117-81-7	bis(2-Ethylhexyl)phthalate	410 ~~180~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	39	J
207-08-9	Benzo(k)fluoranthene	39	J
50-32-8	Benzo(a)pyrene	45	J
193-39-5	Indeno(1,2,3-cd)pyrene	52	J
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	85	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30.6 (g/mL) G Lab File ID: >S2005

~~Level: (low/med) LOW~~ ~~Date Received: 11/22/00~~

% Moisture: 21 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.83-47-6	.GAMMA.-SITOSTEROL	34.86	3000	JN
02.	UNKNOWN	35.10	1900	J
03.	UNKNOWN	35.89	1400	J
04.	UNKNOWN	36.91	1200	J
05.	UNKNOWN	31.76	660	J
06.	UNKNOWN	32.37	650	J
07.	UNKNOWN	31.25	560	J
08.	UNKNOWN	33.84	510	J
09.	UNKNOWN C18H22 ISOMER	23.23	450	J
10.	UNKNOWN ACID	21.60	390	J
11.	UNKNOWN C4 ALKYLBENZENE	10.81	360	J
12.	UNKNOWN	35.60	350	J
13.	UNKNOWN	33.75	320	J
14.	UNKNOWN	34.65	310	J
15.	UNKNOWN	29.40	290	J
16.	UNKNOWN	27.89	260	J
17.	UNKNOWN	32.00	250	J
18.	UNKNOWN	33.34	240	J
~~19.~~	~~UNKNOWN~~	~~10.09~~	~~240~~	~~JB~~ R
20.	UNKNOWN	34.04	230	J
21.	UNKNOWN	37.12	210	J
22.	UNKNOWN	27.09	210	J
23.	UNKNOWN	32.19	200	J
24.	UNKNOWN	32.94	200	J
25.	UNKNOWN	24.22	200	J
26.	UNKNOWN	36.79	200	J
27.	UNKNOWN	33.56	200	J
28.138-86-3	LIMONENE	10.90	200	JN
29.	UNKNOWN	29.91	180	J
30.	UNKNOWN	35.48	180	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM31CA(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2004

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	20	J
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	61	J
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	UJ
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	UJ
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	UJ
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	14	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	11	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	980	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	980	U
83-32-9	Acenaphthene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

ERM31CA(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2004

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	980	U
100-02-7	4-Nitrophenol	980	U J
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	980	U J
534-52-1	4,6-Dinitro-2-methylphenol	980	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	44	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	42	J
206-44-0	Fluoranthene	45	J
129-00-0	Pyrene	60	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	23	J
218-01-9	Chrysene	30	J
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~160~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM31C~~A~~B(7'-8')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >S2004

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 15 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 11.4

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	25.74	750	J
02.	UNKNOWN C18H22 ISOMER	23.23	750	J
03.	UNKNOWN	13.49	550	J
04.	UNKNOWN	32.46	480	J
05.	UNKNOWN	30.36	470	J
06.	UNKNOWN	34.83	460	J
07.	UNKNOWN	31.75	360	J
08.	UNKNOWN	37.28	270	J
09.	UNKNOWN	36.39	270	J
10.	UNKNOWN	29.21	220	J
11.	UNKNOWN	35.82	220	J
~~12.~~	~~UNKNOWN~~	~~10.10~~	~~210~~	~~JB~~ R
13.	UNKNOWN C4 ALKYLBENZENE	10.82	180	J
14.	UNKNOWN	33.72	180	J
15.	UNKNOWN	32.35	180	J
16.	UNKNOWN	24.22	170	J
17.	UNKNOWN	31.24	170	J
18.	UNKNOWN	29.39	140	J
19.	UNKNOWN	27.68	140	J
20.	UNKNOWN	36.02	140	J
21.	UNKNOWN	36.30	120	J
22.	UNKNOWN	35.42	120	J
23.	UNKNOWN	31.92	110	J
24.98-86-2	ACETOPHENONE	11.62	110	JN
25.	UNKNOWN	34.64	110	J
26.	UNKNOWN	27.88	96	J
27.	UNKNOWN	29.76	89	J
28.	UNKNOWN	18.39	88	J
29.	UNKNOWN	25.92	87	J
30.	UNKNOWN	24.93	86	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2023

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	bis(2-Chloroethyl)ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	UJ
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	UJ
111-91-1	bis(2-Chloroethoxy)methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	2100	
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	1000	J
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethylphthalate	1500	U
208-96-8	Acenaphthylene	160	~~J~~ J OK
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3700	U
83-32-9	Acenaphthene	1200	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2023

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	UJ
132-64-9	Dibenzofuran	1300	J
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethylphthalate	1500	U
7005-72-3	4-Chlorophenyl-phenylether	1500	U
86-73-7	Fluorene	1800	
100-01-6	4-Nitroaniline	3700	UJ
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	1500	U
101-55-3	4-Bromophenyl-phenylether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3700	UJ
85-01-8	Phenanthrene	7900	
120-12-7	Anthracene	2000	
86-74-8	Carbazole	1200	J
84-74-2	Di-n-butylphthalate	1500	U
206-44-0	Fluoranthene	6900	
129-00-0	Pyrene	7100	J
85-68-7	Butylbenzylphthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)anthracene	2900	
218-01-9	Chrysene	3100	
117-81-7	bis(2-Ethylhexyl)phthalate	1500 ~~1200~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	1500	U
205-99-2	Benzo(b)fluoranthene	2000	
207-08-9	Benzo(k)fluoranthene	1800	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenz(a,h)anthracene	650	J
191-24-2	Benzo(g,h,i)perylene	2500	

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix: (soil/water) SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.2 (g/mL) G Lab File ID: >S2023

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 11/27/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/15/00

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	29.22	2400	J
02.	UNKNOWN C17H12 PAH	24.24	1500	J
03.	UNKNOWN C15H10 ISOMER	21.85	1400	J
04.	UNKNOWN C17H12 PAH	24.36	1100	J
05.	UNKNOWN C22H12 PAH	34.99	1100	J
06.	UNKNOWN C20H12 PAH	29.59	960	J
07.	UNKNOWN	32.22	940	J
08.	UNKNOWN	29.06	850	J
09.	UNKNOWN C16H11N ISOMER	26.53	780	J
10.	UNKNOWN C15H16O ISOMER	21.05	720	J
11.	UNKNOWN C22H14 PAH	33.69	710	J
12.	UNKNOWN	31.14	700	J
13.	UNKNOWN C18H12 PAH	26.29	700	J
14.	UNKNOWN	29.95	690	J
15.	UNKNOWN	30.71	640	J
16.	UNKNOWN	30.18	630	J
17.	UNKNOWN C16H11N ISOMER	26.41	600	J
18.	UNKNOWN C18H10 PAH	25.66	600	J
19.90-12-0	NAPHTHALENE, 1-METHYL-	15.36	560	JN
20.	UNKNOWN	29.82	540	J
21.132-65-0	DIBENZOTHIOPHENE	20.32	510	JN
22.	UNKNOWN C16H10S ISOMER	25.87	500	J
23.	UNKNOWN	29.73	490	J
24.	UNKNOWN C19H14 PAH	26.86	490	J
25.	UNKNOWN C16H10S ISOMER	25.54	480	J
26.	UNKNOWN C17H12 PAH	24.00	480	J
27.	UNKNOWN	28.95	470	J
28.	UNKNOWN C15H12 PAH	21.64	440	J
29.	UNKNOWN C17H12 PAH	24.46	440	J
30.	UNKNOWN	24.09	410	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48A(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-12

Sample wt/vol: 30 (g/ml) G Lab File ID: C5082166

% Moisture: 13 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/17/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	77.	U
11141-16-5	Aroclor-1232	44.	J
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	67.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48B(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-13

Sample wt/vol: 30.2 (g/ml) G Lab File ID: C5080059

%-Moisture: 15 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	28.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48C(6'-7')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-14

Sample wt/vol: 30.7 (g/ml) G Lab File ID: C5080060

% Moisture: 13 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	Q	
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	75.	U
11141-16-5	Aroclor-1232	210	J
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	37.	U
11097-69-1	Aroclor-1254	140	
11096-82-5	Aroclor-1260	110	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48D(4'-5')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-15

Sample wt/vol: 30.4 (g/ml) G Lab File ID: C5082168

% Moisture: 11 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/17/00

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	73.	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	73.	U
53469-21-9	Aroclor-1242	73.	U
12672-29-6	Aroclor-1248	73.	U
11097-69-1	Aroclor-1254	400	J
11096-82-5	Aroclor-1260	210	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM~~48~~31B(6'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-16

Sample wt/vol: 30.3 (g/ml) G Lab File ID: C5082170

% Moisture: 19 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/17/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40.	U
11104-28-2	Aroclor-1221	82.	U
11141-16-5	Aroclor-1232	40.	U
53469-21-9	Aroclor-1242	40.	U
12672-29-6	Aroclor-1248	40.	U
11097-69-1	Aroclor-1254	40.	U
11096-82-5	Aroclor-1260	13.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: DUP112100

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-17

Sample wt/vol: 30.7 (g/ml) G Lab File ID: C5080062

% Moisture: 23 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42.	U
11104-28-2	Aroclor-1221	85.	U
11141-16-5	Aroclor-1232	42.	U
53469-21-9	Aroclor-1242	42.	U
12672-29-6	Aroclor-1248	42.	U
11097-69-1	Aroclor-1254	42.	U
11096-82-5	Aroclor-1260	9.1	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM31A(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-18

Sample wt/vol: 30 (g/ml) G Lab File ID: C5080063

% Moisture: 21 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/08/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	42.	U
11104-28-2	Aroclor-1221	85.	U
11141-16-5	Aroclor-1232	23.	J
53469-21-9	Aroclor-1242	42.	U
12672-29-6	Aroclor-1248	42.	U
11097-69-1	Aroclor-1254	34.	J
11096-82-5	Aroclor-1260	30.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM31CA(7'-8')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-19

Sample wt/vol: 30.1 (g/ml) G Lab File ID: C5080064

% Moisture: 15 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/08/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39.	U
11097-69-1	Aroclor-1254	36.	J
11096-82-5	Aroclor-1260	22.	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: _____ Client ID: ERM48E(5'-6')

Lab Code: IEACT Case No.: 2686A SDG No.: A2686

Matrix: (soil/water): SOIL Lab Sample ID: 002686A-20

Sample wt/vol: 30.1 (g/ml) G Lab File ID: C5080065

% Moisture: 12 decanted: (Y/N) __ Date Received : 11/22/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/27/00

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 12/08/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	37.	U
11104-28-2	Aroclor-1221	76.	U
11141-16-5	Aroclor-1232	37.	U
53469-21-9	Aroclor-1242	37.	U
12672-29-6	Aroclor-1248	37.	U
11097-69-1	Aroclor-1254	37.	U
11096-82-5	Aroclor-1260	11.	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TA~~0~~R-1

Lab Name: STL/CT Contract: _____

Lab Code: IEACT Case No.: 2686B SAS No.: _____ SDG No.: B2686

Matrix: (soil/water) WATER Lab Sample ID: 002686B-01

Sample wt/vol: 500 (g/mL) ML Lab File ID: >R9860

Level: (low/med) LOW Date Received: 11/22/00

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 12/06/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/14/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____ Leach Date: 11/29/00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
91-20-3	Naphthalene	4	J
91-57-6	2-Methylnaphthalene	.3	J
208-96-8	Acenaphthylene	20	U
83-32-9	Acenaphthene	.3	J
86-73-7	Fluorene	.3	J
85-01-8	Phenanthrene	.7	J
120-12-7	Anthracene	.1	J
206-44-0	Fluoranthene	.2	J
129-00-0	Pyrene	.2	J
56-55-3	Benzo(a)anthracene	20	U
218-01-9	Chrysene	20	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)fluoranthene	20	U
50-32-8	Benzo(a)pyrene	20	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	UJ
53-70-3	Dibenzo(a,h)anthracene	20	UJ
191-24-2	Benzo(g,h,i)perylene	20	UJ

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INORGANIC ANALYSES DATA SHEET

0092 Rev.

EPA SAMPLE NO.

SB-5

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686B SAS No.: _____ SDG No.: B2686

Matrix (soil/water): SOIL Lab Sample ID: 002686B-02

Level (low/med): LOW Date Received: 11/22/00

% Solids: 73.8

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11600			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	130.			P
7440-41-7	Beryllium	0.59	~~B~~		P
7440-43-9	Cadmium	0.11	U		P
7440-70-2	Calcium	4600			P
7440-47-3	Chromium	59.6			P
7440-48-4	Cobalt	13.5			P
7440-50-8	Copper	31.9			P
7439-89-6	Iron	23100			P
7439-92-1	Lead	75.3	J	~~N~~	P
7439-95-4	Magnesium	10800			P
7439-96-5	Manganese	536.			P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	94.5			P
7440-09-7	Potassium	4350			P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium	125.	~~B~~		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	35.3			P
7440-66-6	Zinc	127.	J		P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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01223 Rev

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-13ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-01

Level (low/med): LOW Date Received: 11/21/00

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16800			P
7440-36-0	Antimony	~~1.0~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	7.0	J	N	P
7440-39-3	Barium	132.			P
7440-41-7	Beryllium	0.79	B		P
7440-43-9	Cadmium	0.10	UJ	N	P
7440-70-2	Calcium	1330	J	*	P
7440-47-3	Chromium	46.6			P
7440-48-4	Cobalt	8.2	B		P
7440-50-8	Copper	23.0	J	N	P
7439-89-6	Iron	18700			P
7439-92-1	Lead	83.0	J	*	P
7439-95-4	Magnesium	6280			P
7439-96-5	Manganese	670.			P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	24.0			P
7440-09-7	Potassium	2100			P
7782-49-2	Selenium	1.3	J	N	P
7440-22-4	Silver	0.22	B		P
7440-23-5	Sodium	59.6	B		P
7440-28-0	Thallium	1.4	B	UJ	P
7440-62-2	Vanadium	48.3			P
7440-66-6	Zinc	76.3	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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01224Rev

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-11ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-02

Level (low/med): LOW Date Received: 11/21/00

% Solids: 75.5

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20200			P
7440-36-0	Antimony	1.2	~~U~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	8.4	J	N	P
7440-39-3	Barium	111.			P
7440-41-7	Beryllium	0.78	B		P
7440-43-9	Cadmium	0.12	UJ	N	P
7440-70-2	Calcium	783.	BJ	*	P
7440-47-3	Chromium	37.5			P
7440-48-4	Cobalt	7.5	B		P
7440-50-8	Copper	24.0	J	N	P
7439-89-6	Iron	22100			P
7439-92-1	Lead	99.6	J	*	P
7439-95-4	Magnesium	4770			P
7439-96-5	Manganese	434.			P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	19.2			P
7440-09-7	Potassium	1050	B		P
7782-49-2	Selenium	1.5	J	N	P
7440-22-4	Silver	0.24	U		P
7440-23-5	Sodium	51.9	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	58.5			P
7440-66-6	Zinc	71.6	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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01225Rev

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ERMWETLAND-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-03

Level (low/med): LOW Date Received: 11/21/00

% Solids: 14.7

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	~~5.0~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	11.0	J	N	P
7440-39-3	Barium	392.			P
7440-41-7	Beryllium	0.99	B		P
7440-43-9	Cadmium	0.65	BJ	N	P
7440-70-2	Calcium	8200	J	*	P
7440-47-3	Chromium	26.7			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	29.4	J	N	P
7439-89-6	Iron	8410			P
7439-92-1	Lead	86.1	J	*	P
7439-95-4	Magnesium	3510	B		P
7439-96-5	Manganese	88.0			P
7439-97-6	Mercury	0.30			CV
7440-02-0	Nickel	21.3	B		P
7440-09-7	Potassium	564.	B		P
7782-49-2	Selenium	5.0	UJ	N	P
7440-22-4	Silver	0.99	U		P
7440-23-5	Sodium	333.	B		P
7440-28-0	Thallium	5.9	U		P
7440-62-2	Vanadium	43.6	B		P
7440-66-6	Zinc	147.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

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01226 Rev

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ERMWETLAND-2

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-04

Level (low/med): LOW Date Received: 11/21/00

% Solids: 21.7

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10000			P
7440-36-0	Antimony	~~4.1~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	7.1	~~B~~J	~~N~~	P
7440-39-3	Barium	195.			P
7440-41-7	Beryllium	0.64	~~B~~		P
7440-43-9	Cadmium	0.41	UJ	~~N~~	P
7440-70-2	Calcium	8420	J	~~*~~	P
7440-47-3	Chromium	26.3			P
7440-48-4	Cobalt	4.3	~~B~~		P
7440-50-8	Copper	23.1	J	~~N~~	P
7439-89-6	Iron	9000			P
7439-92-1	Lead	96.8	J	~~*~~	P
7439-95-4	Magnesium	3550	~~B~~		P
7439-96-5	Manganese	71.9			P
7439-97-6	Mercury	0.19			CV
7440-02-0	Nickel	18.8	~~B~~		P
7440-09-7	Potassium	682.	~~B~~		P
7782-49-2	Selenium	4.1	UJ	~~N~~	P
7440-22-4	Silver	0.83	U		P
7440-23-5	Sodium	201.	~~B~~		P
7440-28-0	Thallium	5.0	U		P
7440-62-2	Vanadium	35.3	~~B~~		P
7440-66-6	Zinc	54.8	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

01227 REV

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SS-8ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-05

Level (low/med): LOW Date Received: 11/21/00

% Solids: 73

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16400			P
7440-36-0	Antimony	~~1.2~~	~~U~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	9.8	J	N	P
7440-39-3	Barium	64.5			P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	0.12	UJ	N	P
7440-70-2	Calcium	619.	BJ	*	P
7440-47-3	Chromium	49.1			P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	24.8	J	N	P
7439-89-6	Iron	22700			P
7439-92-1	Lead	122.	J	*	P
7439-95-4	Magnesium	4920			P
7439-96-5	Manganese	429.			P
7439-97-6	Mercury	0.35			CV
7440-02-0	Nickel	21.4			P
7440-09-7	Potassium	787.	B		P
7782-49-2	Selenium	1.3	J	N	P
7440-22-4	Silver	0.23	U		P
7440-23-5	Sodium	41.8	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	59.7			P
7440-66-6	Zinc	61.9	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

01228 Rev

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DUP112000

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-06

Level (low/med): LOW Date Received: 11/21/00

% Solids: 73.1

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18700			P
7440-36-0	Antimony	~~1.3~~	~~U~~	~~N~~ J	~~P~~ R
7440-38-2	Arsenic	8.9	J	N	P
7440-39-3	Barium	71.9			P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	0.13	UJ	N	P
7440-70-2	Calcium	860.	BJ	*	P
7440-47-3	Chromium	50.6			P
7440-48-4	Cobalt	8.1	B		P
7440-50-8	Copper	24.6	J	N	P
7439-89-6	Iron	23100			P
7439-92-1	Lead	123.	J	*	P
7439-95-4	Magnesium	5270			P
7439-96-5	Manganese	484.			P
7439-97-6	Mercury	0.34			CV
7440-02-0	Nickel	23.3			P
7440-09-7	Potassium	1030	B		P
7782-49-2	Selenium	1.6	J	N	P
7440-22-4	Silver	0.26	U		P
7440-23-5	Sodium	59.6	B		P
7440-28-0	Thallium	2.0	B	UJ	P
7440-62-2	Vanadium	61.2			P
7440-66-6	Zinc	67.9	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

01229 Rev

EPA SAMPLE NO.

SS-4ERM

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-07

Level (low/med): LOW Date Received: 11/21/00

% Solids: 69.4

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17700			P
7440-36-0	Antimony	~~1.4~~	~~U~~	~~NJ~~	~~P~~ R
7440-38-2	Arsenic	8.6	J	N	P
7440-39-3	Barium	110.			P
7440-41-7	Beryllium	0.82	B		P
7440-43-9	Cadmium	0.14	UJ	N	P
7440-70-2	Calcium	1560	J	*	P
7440-47-3	Chromium	45.7			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	27.4	J	N	P
7439-89-6	Iron	19900			P
7439-92-1	Lead	105.	J	*	P
7439-95-4	Magnesium	6370			P
7439-96-5	Manganese	716.			P
7439-97-6	Mercury	0.31			CV
7440-02-0	Nickel	19.8			P
7440-09-7	Potassium	1520			P
7782-49-2	Selenium	1.4	UJ	N	P
7440-22-4	Silver	0.27	U		P
7440-23-5	Sodium	75.3	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	50.8			P
7440-66-6	Zinc	82.8	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01230 Rev

EPA SAMPLE NO.

SB-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-08

Level (low/med): LOW Date Received: 11/21/00

% Solids: 79.5

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12900			P
7440-36-0	Antimony	3.3	~~B~~J	~~N~~	P
7440-38-2	Arsenic	8.2	J	~~N~~	P
7440-39-3	Barium	245.			P
7440-41-7	Beryllium	0.30	~~B~~		P
7440-43-9	Cadmium	1.8	J	~~N~~	P
7440-70-2	Calcium	7600	J	~~*~~	P
7440-47-3	Chromium	50.9			P
7440-48-4	Cobalt	9.2	~~B~~		P
7440-50-8	Copper	174.	J	~~N~~	P
7439-89-6	Iron	64100			P
7439-92-1	Lead	3880	J	~~*~~	P
7439-95-4	Magnesium	5440			P
7439-96-5	Manganese	549.			P
7439-97-6	Mercury	0.49			CV
7440-02-0	Nickel	39.9			P
7440-09-7	Potassium	4750			P
7782-49-2	Selenium	1.0	UJ	~~N~~	P
7440-22-4	Silver	1.9	~~B~~		P
7440-23-5	Sodium	211.	~~B~~		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	38.2			P
7440-66-6	Zinc	805.	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01231 Rev

EPA SAMPLE NO.

SB-2

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-09

Level (low/med): LOW Date Received: 11/21/00

% Solids: 78.6

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600			P
7440-36-0	Antimony	8.3	BJ	N	P
7440-38-2	Arsenic	14.8	J	N	P
7440-39-3	Barium	449.			P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	3.1	J	N	P
7440-70-2	Calcium	9270	J		P
7440-47-3	Chromium	194.			P
7440-48-4	Cobalt	12.6			P
7440-50-8	Copper	625.	J	N	P
7439-89-6	Iron	74400			P
7439-92-1	Lead	1040	J		P
7439-95-4	Magnesium	5730			P
7439-96-5	Manganese	766.			P
7439-97-6	Mercury	0.58			CV
7440-02-0	Nickel	122.			P
7440-09-7	Potassium	5000			P
7782-49-2	Selenium	1.1	UJ	N	P
7440-22-4	Silver	3.2			P
7440-23-5	Sodium	500.	B		P
7440-28-0	Thallium	1.3	U		P
7440-62-2	Vanadium	47.4			P
7440-66-6	Zinc	1400	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01232 Rev

EPA SAMPLE NO.

SB-3

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-10

Level (low/med): LOW Date Received: 11/21/00

% Solids: 73

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22100			P
7440-36-0	Antimony	18.6	J	N	P
7440-38-2	Arsenic	13.4	J	N	P
7440-39-3	Barium	395.			P
7440-41-7	Beryllium	0.34	B		P
7440-43-9	Cadmium	2.7	J	N	P
7440-70-2	Calcium	8640	J	*	P
7440-47-3	Chromium	83.4			P
7440-48-4	Cobalt	14.1			P
7440-50-8	Copper	729.	J	N	P
7439-89-6	Iron	106000			P
7439-92-1	Lead	1330	J	*	P
7439-95-4	Magnesium	4930			P
7439-96-5	Manganese	1110			P
7439-97-6	Mercury	0.75			CV
7440-02-0	Nickel	130.			P
7440-09-7	Potassium	3380			P
7782-49-2	Selenium	1.3	UJ	N	P
7440-22-4	Silver	4.5			P
7440-23-5	Sodium	555.	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	35.7			P
7440-66-6	Zinc	1710	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01233
~~01234~~ Rev

EPA SAMPLE NO.

SB-4

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-11

Level (low/med): LOW Date Received: 11/21/00

% Solids: 78.1

JCC 1-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	~~0.97~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	4.3	J	N	P
7440-39-3	Barium	110.			P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.097	UJ	N	P
7440-70-2	Calcium	4650	J	N	P
7440-47-3	Chromium	21.1			P
7440-48-4	Cobalt	9.4	B		P
7440-50-8	Copper	22.3	J	N	P
7439-89-6	Iron	19500			P
7439-92-1	Lead	126.	J	N	P
7439-95-4	Magnesium	6100			P
7439-96-5	Manganese	403.			P
7439-97-6	Mercury	0.088			CV
7440-02-0	Nickel	19.1			P
7440-09-7	Potassium	4410			P
7782-49-2	Selenium	0.97	UJ	N	P
7440-22-4	Silver	0.19	U		P
7440-23-5	Sodium	99.8	B		P
7440-28-0	Thallium	1.2	B	UJ	P
7440-62-2	Vanadium	26.0			P
7440-66-6	Zinc	104.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

01234
~~01235~~ Rev
EPA SAMPLE NO.

ERM48A(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-12

Level (low/med): LOW Date Received: 11/22/00

% Solids: 87.2

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9690			P
7440-36-0	Antimony	~~1.0~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	3.9	J	N	P
7440-39-3	Barium	84.4			P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	0.10	UJ	N	P
7440-70-2	Calcium	6480	J	*	P
7440-47-3	Chromium	24.4			P
7440-48-4	Cobalt	7.7	B		P
7440-50-8	Copper	55.7	J	N	P
7439-89-6	Iron	22600			P
7439-92-1	Lead	166.	J	*	P
7439-95-4	Magnesium	4460			P
7439-96-5	Manganese	274.			P
7439-97-6	Mercury	0.042			CV
7440-02-0	Nickel	48.8			P
7440-09-7	Potassium	3690			P
7782-49-2	Selenium	1.0	UJ	N	P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	166.	B		P
7440-28-0	Thallium	2.0	B	UJ	P
7440-62-2	Vanadium	32.6			P
7440-66-6	Zinc	143.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

01235
01236Rev

EPA SAMPLE NO.

ERM48B(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-13

Level (low/med): LOW Date Received: 11/22/00 JCC 01-11-01

% Solids: 86.2

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13500			P
7440-36-0	Antimony	32.1	J	N ~~S(*)~~	P
7440-38-2	Arsenic	31.9	J	N	P
7440-39-3	Barium	270.			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.093	UJ	N	P
7440-70-2	Calcium	8920	J	*	P
7440-47-3	Chromium	66.2			P
7440-48-4	Cobalt	22.9			P
7440-50-8	Copper	348.	J	N	P
7439-89-6	Iron	172000			P
7439-92-1	Lead	2110	J	*	P
7439-95-4	Magnesium	5090			P
7439-96-5	Manganese	906.			P
7439-97-6	Mercury	0.066			CV
7440-02-0	Nickel	61.4			P
7440-09-7	Potassium	6540			P
7782-49-2	Selenium	0.93	UJ	N	P
7440-22-4	Silver	1.4	B		P
7440-23-5	Sodium	594.	B		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	33.2			P
7440-66-6	Zinc	766.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

01236
~~01237~~ Rev

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

ERM48C(6'-7')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-14

Level (low/med): LOW Date Received: 11/22/00

% Solids: 83.6

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400			P
7440-36-0	Antimony	1.8	~~B~~J	~~N~~	P
7440-38-2	Arsenic	9.7	J	~~N~~	P
7440-39-3	Barium	538.			P
7440-41-7	Beryllium	0.36	~~B~~		P
7440-43-9	Cadmium	4.8	J	~~N~~	P
7440-70-2	Calcium	14900	J	~~*~~	P
7440-47-3	Chromium	50.4			P
7440-48-4	Cobalt	11.1	~~B~~		P
7440-50-8	Copper	282.	J	~~N~~	P
7439-89-6	Iron	38200			P
7439-92-1	Lead	832.	J	~~*~~	P
7439-95-4	Magnesium	3810			P
7439-96-5	Manganese	308.			P
7439-97-6	Mercury	0.52			CV
7440-02-0	Nickel	35.6			P
7440-09-7	Potassium	1670			P
7782-49-2	Selenium	1.2	UJ	~~N~~	P
7440-22-4	Silver	2.0	~~B~~		P
7440-23-5	Sodium	561.	~~B~~		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	37.1			P
7440-66-6	Zinc	1030	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01237
~~01238~~ Rev

EPA SAMPLE NO.

ERM48D(4'-5')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-15

Level (low/med): LOW Date Received: 11/22/00

% Solids: 91.4

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11200			P
7440-36-0	Antimony	~~1.1~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	3.6	UJ	N	P
7440-39-3	Barium	131.			P
7440-41-7	Beryllium	0.41	B		P
7440-43-9	Cadmium	0.11	UJ	N	P
7440-70-2	Calcium	8310	J	*	P
7440-47-3	Chromium	40.7			P
7440-48-4	Cobalt	8.8	B		P
7440-50-8	Copper	31.5	J	N	P
7439-89-6	Iron	20500			P
7439-92-1	Lead	59.8	J	*	P
7439-95-4	Magnesium	8390			P
7439-96-5	Manganese	374.			P
7439-97-6	Mercury	0.097			CV
7440-02-0	Nickel	27.5			P
7440-09-7	Potassium	4530			P
7782-49-2	Selenium	1.1	UJ	N	P
7440-22-4	Silver	0.21	U		P
7440-23-5	Sodium	143.	B		P
7440-28-0	Thallium	1.6	B	UJ	P
7440-62-2	Vanadium	34.2			P
7440-66-6	Zinc	101.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

01238
~~01239~~ Rev

EPA SAMPLE NO.

31
ERM~~48~~B(6'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-16

Level (low/med): LOW Date Received: 11/22/00

% Solids: 84.7

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12100			P
7440-36-0	Antimony	25.2	J	N	P
7440-38-2	Arsenic	8.0	J	N	P
7440-39-3	Barium	295.			P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.087	UJ	N	P
7440-70-2	Calcium	6030	J	*	P
7440-47-3	Chromium	36.6			P
7440-48-4	Cobalt	8.4	BJ		P
7440-50-8	Copper	80.4	J	N	P
7439-89-6	Iron	36300	J		P
7439-92-1	Lead	20600	J	*	P
7439-95-4	Magnesium	4740			P
7439-96-5	Manganese	317.	J		P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	25.4	J		P
7440-09-7	Potassium	4650			P
7782-49-2	Selenium	0.87	UJ	N	P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	923.	J		P
7440-28-0	Thallium	1.1	B	UJ	P
7440-62-2	Vanadium	31.4			P
7440-66-6	Zinc	363.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

JR

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01239
~~01240~~ Rev

EPA SAMPLE NO.

DUP112100

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-17

Level (low/med): LOW Date Received: 11/22/00

% Solids: 85.2

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8600			P
7440-36-0	Antimony	14.4	J	N	P
7440-38-2	Arsenic	38.2	J	N	P
7440-39-3	Barium	506.			P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.091	UJ	N	P
7440-70-2	Calcium	29800	J	N	P
7440-47-3	Chromium	56.7			P
7440-48-4	Cobalt	45.2	J		P
7440-50-8	Copper	497.	J	N	P
7439-89-6	Iron	196000	J		P
7439-92-1	Lead	5240	J	N	P
7439-95-4	Magnesium	2020			P
7439-96-5	Manganese	1180	J		P
7439-97-6	Mercury	0.39			CV
7440-02-0	Nickel	125.	J		P
7440-09-7	Potassium	1560			P
7782-49-2	Selenium	0.91	UJ	N	P
7440-22-4	Silver	2.8			P
7440-23-5	Sodium	2990	J		P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	43.8			P
7440-66-6	Zinc	1900	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

01240 Rev
EPA SAMPLE NO.

ERM31A(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-18

Level (low/med): LOW Date Received: 11/22/00

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12600			P
7440-36-0	Antimony	~~1.0~~	~~UJ~~	~~N~~	~~P~~ R
7440-38-2	Arsenic	8.7	J	N	P
7440-39-3	Barium	222.			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.10	UJ	N	P
7440-70-2	Calcium	4050	J		P
7440-47-3	Chromium	26.0			P
7440-48-4	Cobalt	9.0	B		P
7440-50-8	Copper	54.0	J	N	P
7439-89-6	Iron	43400			P
7439-92-1	Lead	88.6	J		P
7439-95-4	Magnesium	3820			P
7439-96-5	Manganese	372.			P
7439-97-6	Mercury	0.16			CV
7440-02-0	Nickel	24.5			P
7440-09-7	Potassium	2980			P
7782-49-2	Selenium	1.0	J	N	P
7440-22-4	Silver	0.24	B		P
7440-23-5	Sodium	823.	B		P
7440-28-0	Thallium	1.2	U		P
7440-62-2	Vanadium	33.3			P
7440-66-6	Zinc	172.	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

FORM I - IN ILM04.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01241
01242 RCV

EPA SAMPLE NO.

ERM31CA(7'-8')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-19

Level (low/med): LOW Date Received: 11/22/00

% Solids: 83.9

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9140			P
7440-36-0	Antimony	60.7	J	N	P
7440-38-2	Arsenic	31.0	J	N	P
7440-39-3	Barium	1240			P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	30.7	J	N	P
7440-70-2	Calcium	43700	J	*	P
7440-47-3	Chromium	104.			P
7440-48-4	Cobalt	10.3			P
7440-50-8	Copper	419.	J	N	P
7439-89-6	Iron	206000			P
7439-92-1	Lead	2540	J	*	P
7439-95-4	Magnesium	2820			P
7439-96-5	Manganese	1100			P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	54.2			P
7440-09-7	Potassium	1300			P
7782-49-2	Selenium	0.88	UJ	N	P
7440-22-4	Silver	4.9			P
7440-23-5	Sodium	1680			P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	99.5			P
7440-66-6	Zinc	4810	J	N	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

JB

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

01242
~~01243~~ Rev

EPA SAMPLE NO.

ERM48E(5'-6')

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-20

Level (low/med): LOW Date Received: 11/22/00

% Solids: 92.8

JCC 01-11-01

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	17000			P
7440-36-0	Antimony	2.9	~~B~~J	~~N~~	P
7440-38-2	Arsenic	7.1	J	~~N~~	P
7440-39-3	Barium	346.			P
7440-41-7	Beryllium	0.31	~~B~~		P
7440-43-9	Cadmium	0.80	~~B~~J	~~N~~	P
7440-70-2	Calcium	11300	J	~~*~~	P
7440-47-3	Chromium	70.2			P
7440-48-4	Cobalt	13.6			P
7440-50-8	Copper	114.	J	~~N~~	P
7439-89-6	Iron	43400			P
7439-92-1	Lead	358.	J	~~*~~	P
7439-95-4	Magnesium	10100			P
7439-96-5	Manganese	460.			P
7439-97-6	Mercury	0.18			CV
7440-02-0	Nickel	36.0			P
7440-09-7	Potassium	11100			P
7782-49-2	Selenium	0.98	UJ	~~N~~	P
7440-22-4	Silver	0.76	~~B~~		P
7440-23-5	Sodium	380.	~~B~~		P
7440-28-0	Thallium	2.0	~~B~~	UJ	P
7440-62-2	Vanadium	53.3			P
7440-66-6	Zinc	324.	J	~~N~~	P
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TAG-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686B SAS No.: _____ SDG No.: B2686

Matrix (soil/water): WATER Lab Sample ID: 002686B-01

Level (low/med): LOW Date Received: 11/22/00

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	5.0	U		P
7440-39-3	Barium	289.			P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	1.8	~~B~~J	~~N~~	P
7440-70-2	Calcium				NR
7440-47-3	Chromium	2.1	~~B~~		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	13.1			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: BROWN Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

ERMWETLAND-1

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-03

% Solids: 13.4 Date Received: 11/21/00

CAS No.	Analyte	Concentration	C	Units	Q	M
	TOC	350000		mg/Kg		D

Comments:

FORM I - WC

1

WET CHEM ANALYSIS DATA SHEET

SAMPLE NO.

ERMWETLAND-2

Lab Name: STL Contract: _____

Lab Code: STL Case No.: 2686A SAS No.: _____ SDG No.: A2686

Matrix (soil/water): SOIL Lab Sample ID: 002686A-04

% Solids: 23.1 Date Received: 11/21/00

CAS No.	Analyte	Concentration	C	Units	Q	M
	TOC	252000		mg/Kg		D

Comments:

FORM I - WC

Appendix B

Data Packages Intentionally Omitted

STL Data Packages will be Transmitted to the NYSDEC Only

APPENDIX C

Field Notes

500 Mamaroneck

Field Notes

11-20 & 11-21, 2000

pages = 25

J Shuler

Date: 11-20-00 Monday page 1

Project: 500 Mamaroneck

Project number: X8101.00.01

Project location: Mamaroneck, new York

Day #1

Weather: Am: Clear, cold temps Rng = 32°-40°F
winds calm.
PM: Becoming overcast, calm
winds High ≈ 42°F

6:00: Arrive at Warehouse. Obtain
all necessary Equipment

6:15-7:30: travel to site.

8:00 Am: Met with mark from
NAEVA. He begin utility mark
out in guideline drilling area.

8:15 Am: Met with mike from
Cameron.

8:30 Am: Received Sample bottles from Sth.

8:30-11:25A: NAEVA Completing utility
Markout.

11:15Am: Karen Carpenter arrive on-site.
Prep for Shallow grab Sampling

500 Narragansett 11-20-00

Shallow Soil Sampling page 2

AREA A: Woods

Sample number 1: SS13ERM

location is adjacent to S-13. using stainless steel spoon & bowl, collected sample 0"-6" below grade. removed organic material and transferred sample material to laboratory sample jar.

Sample ID = SS-13ERM

Sample time = 1145 AM

Sample analysis = TAL Metals.

Sample location #2

location is adjacent to S-11 using stainless steel spoon & bowl, collected sample 0"-6" below grade. removed organic material and transferred soil to jar.

Sample ID = SS-11ERM

Sample time = 11:55 A

Sample analysis: TAL metals

500 Narragansett 11-20-00 Pg 3

Sample location #3.

collected sample adjacent to South Pond / wetland area. using a stainless steel spoon and bowl, collected soil sample. sample was placed in sample jar.

Sample ID = ERM Wetland #1

Sample time = 1205

Sample analy = TAL metals, TOC

Sample location #4:

collected sample adjacent to Norton Section of Pond. sample was collected using stainless steel spoon & bowl. Placed sample in bowl removed organic material transferred to sample jar. TOC was transferred immediately to jar.

Sample ID: ERM wetland #2

Sample time = 1215

Sample analysis: TAL Metals, TOC

Soo Manufacturing 11-20-00 page 4

NEXT Sample Location. Sample #5
collected Soil Sample
using Stainless steel Spoon
and Bowl. Sample was transferred
to Bowl. Removed Roots &
organic material. transferred
to laboratory Sample Jar.
Sample ID = SS-ERM8
Sample time = 12:30
Sample analysis = TAL METALS.
Note: collected Duplicate Sample
at this Location.
Sample ID = DUP112000
Sample time = 12:35
Sample analysis = TAL METALS

NEXT Sample location: Sample #6
collected Sample in area adjacent
to sample C-4. Sample was
collected using Stainless Steel
Spoon & Bowl.
Sample ID = SS-ERM4
Sample time = 1255
Sample analysis: TAL METALS

Soo Manufacturing 11-20-00 page 5

End of Sampling in Northern wooded
area. total of 6 Sample locations
were addressed

Next Sample area: South Berm area
Sample Number 1
collected Sample from South-East
Extent of Berm. area was debris
and trash mixed area
collected Samples using stainless
steel spoon & Bowl.
Sample ID = SB-1
Sample time: 1:20
Sample analysis = TAL Metals.

NEXT Sample location: South Berm area.
collected Sample from South Berm
area appears to be intermixed
with litter & garbage.
Sample ID = SB-2
Sample time 1:25
Sample analysis: TAL METALS

500 Mamaroneck 11-20-00 page 6

Next Sample location: South Berm area.
Sample location #3:
Sample was collected from Berm ≈ mid way. the sample was collected using a stainless steel spoon & Bowl. the sample was collected and transferred to laboratory supplied jar.
Sample ID = SB-3
Sample time = 1:45
Sample analysis: TAL METALS

NEXT Sample location: South Berm area
Sample location #4:
Sample was collected from Berm ≈ mid way. the sample was collected using stainless steel spoon & Bowl. the sample was placed in laboratory supplied jar.
Sample ID = SB-4
Sample time = 2:05
Sample analysis: TAL METALS

500 MAMARONECK 11-20-00 page 7

NEXT Sample location: South Berm area.
Sample location #4
Sample was collected using stainless steel spoon & Bowl. Sample was transferred to laboratory supplied jar.
Sample ID = SB-5
Sample time = 2:15
Sample analysis: TAL METALS.

End of Sampling for day. All samples collected today were placed in laboratory supplied coolers on ice and shipped to STL for sample analysis.
the following is list of samples collected today: 11-20-00

EASTERN BUFFER ZONE	Southern Berm
1. SS-13 ERM	1. SB-1
2. SS-11 ERM	2. SB-2
3. ERM wetland-1	3. SB-3
4. ERM wetland-2	4. SB-4
5. SS-8 ERM (DUP)	5. SB-5
6. SS-4 ERM	

(B)

500 Mamaroneck 11-20-00 Page 8

Samples were shipped via Federal Express to STL overnight Express.
Samples were required Normal turnaround time.
requested analysis:

Sample	analysis	Sample time
SS-13ERM	TAL Metals	11:45
SS-11ERM	TAL metals	11:55
ERMwetland-1	TAL metals, TOC	12:05
ERMwetland-2	TAL metals, TOC	12:15
SS-8ERM	TAL metals	12:30
SS-9ERM	TAL Metals	12:55
SB-1	TAL metals	1:20
SB-2	TAL Metals	1:25
SB-3	TAL metals	1:45
SB-4	TAL Metals	2:05
SB-5	TAL metals	2:15
DUP112000	TAL metals	12:35

Site Personnel today:
ERM: JOHN SHEEHAN, GREG Skinner
NYSDEC: Kevin CAPENTER
NEAVA MARK WEISS
Conesco: mike Feldman

(A)

500 Mamaroneck 11-20-00 Page 9

marked out Sampling / Boring at area around ERM-31 a total of 6 Borings were marked out in and around that area.

End of Day: off Site 1500

Packed Samples and Dropped Samples at Fed ex

John G Sheehan

Date: 11-21-00 TUESDAY
Project: 500 MAMARONECK AVE.
Project Number: X8101.00.01
Project location: Westchester, NY
Day: 2
Weather: AM: Clear, CALM winds
temp = 30° - 35° F
PM: Clear, cold Hgh 40°F

6:15 AM: Arrived at the warehouse, obtained all necessary Equipment.
6:15-7:30A: Drove to Site.
7:30A-8:00A: Prepped for Sampling.
8:07A: Karm Carpenter arrive on site.
8:16A: Mike Feldman arrive on site.
8:30AM: Find Driller on site - move to investigation area.
Prep for Drilling

Drilling Company: EPI
Driller: Brian
Drill rig: Geoprobe model #:

Geoprobe Investigation:

Boring #: ERM 48A time: 9:00A
0'-4': Dark Brown trending to Brown fine & medium SAND with Some gravel. Well Sorted. Some Clay lenses toward 8'.
Some PVC chips & glass toward tip.
Dry. No odor. No staining.
United Soil classification system #: SM
Muncell color chart #: 10YR 3/2
PID Reading screen/headspace: 1.7 ppm / 3.9 ppm
4'-8'
Dark gray fine & medium Sand with Some fine gravel. Some Debris
7'-8': small angular Piece of Black hard substance. Wet. Some Bedrock fragments toward tip.
PID Reading screen/headspace: 2.1 / 4.3 ppm

Collected Sample for laboratory analysis:
Sample ID = ERM 48A (7'-8')
Sample zone = 7' to 8' below grade
Sample analysis = TAL METALS, SVOCs, includes PCBs
Sample time = 0915 A

Note: Sampled the suspected "Black tar material". not enough material to have analyzed. will hold.

End Boring ERM48A.
refusal at 8' below grade.

NEXT BORING ERM48B 0'-4':
Dark Brown fine Sand & organic material trending to a Dark gray fine & medium Sand with some gravel. quartz cobble @ tip. Dry. no odor. no sign of staining.
PID Reading: 4.7 ppm / 5.8 ppm
combined. Soil classification system: SM
munsell color chart = 10YR 3/1

4'-8': Brown, gray & Dark gray fine & medium Sand with some gravel and Debris. (glass, tiles, wrappers).
wet towards tip. no odor. no staining
USCS # = SM
Munsell color chart #: 10YR 3/1, 4/4, 5/1
PID Reading: 11.4 / 3.3 ppm

8'-12': Note Inserted Recovery (1.5').
Dark brown & Brown fine Sand with some clay towards tip & Debris; (glass, tile, misc...)
wet.
USCS = SM
Munsell = 10YR 4/4, 3/2
PID Reading: 3.1 / 4.8 ppm.
End of Boring 48B.

Collected Soil Sample at 7'-8' @ ERM48B. this was area of Highest Hits on PID.
Sample ID = ERM48B (7'-8')
Sample Zone = 7'-8' below grade
Sample time: 945
Sample analysis: TAL metals, SVOCs

(2)

500 MAMARONECK. 11-21-00
Page 14

Next Boring ERM48C

0'-4':

Brown fine Sand & organic material trending to a Dark Brown and gray fine Sand with some gravel. Fractured Bedrock, (Schist). no odor. no staining.

USCS = SM

munsell = 10YR 3/2 / 5/1.

PID Reading 3.4 ppm / 7.1 ppm

4'-7': Brown and Dark Brown fine & medium Sand with some gravel and Fractured Bedrock with Debris at towards tip.

USCS = SM

munsell: 10YR 3/5 & 5/1

PID Readings: 3.3 ppm / 5.1

Collected Sample for analysis

Sample ID: ERM48C (6'-7')

Sample time: 10:25

Sample analysis = TAL metals / SVOCs

(2)

500 MAMARONECK. 11-21-00
Page 15

Next Boring: ERM48D

0'4': Dark Brown and organic material trending to Dark Brown fine and Medium Sand with some gravel. no odor. no staining.

PID Readings: 1.4 ppm / 4.7 ppm.

USCS = SM

munsell = 10YR 3/2 & 3/3.

4'-5.5': Brown & Black fine & medium Sand with some gravel and Debris. (note: Black soft Rubber Present. Dry.

Refusal @ 5.5'. no odor. no staining.

PID Reading: 1.5 ppm / 5.8 ppm.

USCS = SM

munsell: 10YR 3/2

note: collected soil Sample at this location:

Sample ID = ERM 48D (4'-5')

Sample time = 1100

Sample analysis: TAL Metals, SVOCs

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NEXT SAMPLE AREA = ERM-31

next location : ERM31B

0'-4' : top 3" Asphault and Bluestone Black and Dark gray fine & medium Sand with some gravel (Bluestone) and Debris. Woodchips present. no odor. no sign of staining.

PID Reading : 3.4 ppm / 7.1 ppm.

USCS = SM

Munsell color chart #: 10YR 4/2 & 3/2)

4'-8' : Black & Brown fine and medium Sand with Debris glass, tiles, etc. moist to wet in areas. no odor. no staining

PID Reading : 14.7/15.8

Munsell : 10YR 2/2

USCS = SM

500 Mamaroneck. 11-21-00 page 17

8'-12' : Gray & Brown fine and medium SAND with gravel. coarser material than above. wet. appears like native material. no odor no staining

PID Reading : 4.3 ppm / 5.1 ppm

USCS = SW

Munsell = 10YR 6/1 & 6/4

End of Boring ERM 31B

Note: collected Laboratory Sample at 6'-8' zone Due to the excavated

PID Reading:

Sample ID : ERM31B(6'-8')

Sample time = 1125

Sample analysis TAL metals, SVOCs

Note: collected Duplicate Sample at this location. DUP112100 = ERM31B (6'-8')

Sample ID = DUP112100

Sample time = 11:45

Sample analysis : TAL METALS, SVOCs

500 MAMARONECK 11-21-00
Page 18

Next Boring: ERM31A
0'-4': Black and areas of gray fine SAND with some gravel and debris. Dry no odor, no sign of staining.
PID Readings: 0.0ppm / 0.4ppm
Munsell Color Chart: 10YR 2/2 3/2
USCS - SW

4'-8': ~~limited Recovery.~~
~~Yellowish Brown Fine Sand with Silt and woodchips~~
Dark gray & Black fine Sand, Silt and Debris. wet in areas
PID Readings: 4.7 / 5.0 ppm
Munsell = 10YR 2/2 & 3/1
USCS = SM with Debris

Note: collected Soil Sample at the location.
Sample ID = ERM31A(7'-8')
Sample time = 1215
Samples analyzed: TAL Metals, TVOC,

500 MAMARONECK. 11-21-00
Page 19

8'-12': Brown Woodchips and some Sand trending to a yellow Brown fine Sand & Silt. Some clay. moist
PID Readings: 0.7ppm / 1.1ppm

12'-16': limited Recovery.
recovered @ 16'
Dark gray and Brown fine Sand with some medium Sand and Coarse Sand. well Sorted. appears like Natural material. wet. no odor. no sign of staining.
PID Readings: 1.1 ppm / 1.7ppm
Munsell Color Chart = 10YR 5/1
USCS = SW

End of Boring ERM31A.

500 Mamaroneck 11-21-00
Page 20

Next Sample location: ERM31D
0'-3':
Note refusal at 3' below grade
Dark Brown and gray fine Sand
with Pulverized areas of gravel
and Bluestone. Some Pulverized
Rock at tip. Dry. No odor
No Staining.
PID Readings: 3.1 / 4.7
Munsell: 10YR 3/2
USCS: SM

End of Boring ERM31D. No lab sample collected

Next sample location: ERM31C
top 6": Brown fine Sand and
organic material.
6"-4': Brown and Black fine
Sand and Debris with some
gravel. Dry.
PID Readings: 3.1 ppm / 4.2 ppm
Munsell Color chart
USCS:

500 MAMAROneck 11-21-00
Page 21

ERM31C
4'-8': Black and areas of Brown
fine Sand with gravel and
Debris in areas. Some odor @ 7.5'
Black oily material. Some areas
of Pulverized Rock. Dry wet @ tip.
PID Reading 4.1 / 7.3 ppm
Munsell: 10YR 3/2
USCS: SM

Note: collected Laboratory Sample at
this location.
Sample ID = ERM31C (7'-8')
Sample time = 12:55
Sample location (7'-8')
Sample analysis: TAL metals, SVOCs

8'-12': limited Recovery.
Brown fine Sand trace to g
Yellowish Brown fine Sand & silt
Some Debris Present.
PID Reading:
Munsell
USCS:

(2)

500 Mamaroneck 11-21-00
Page 22

12-16':
Grey & light Grey fine & medium sand with occasional gravel. wet. well sorted.
Appear to be natural material
No odor no sign of staining
PID Readings: 12.2 / 14.3
Munsell: 10YR 5/10 6/1
USCS: SM

End of Boring ERM 31C

NEXT Sample location: ERM 48E

0'-4': Black and Dark Brown Fine sand with some gravel and debris. Dry. No odor no sign of staining.
PID Readings: 5.4 ppm / 7.1 ppm
Munsell color chart:
USCS: SM

(3)

500 Mamaroneck 11-21-00
Page 23

4'-6': Brown and Dark Brown fine and medium with some pulverized Bedrock. Dry wet @ tip
Some silty clay @ tip.
refusal at 6'
PID Readings: 6.7 ppm / 11.1 ppm

Collected Sample for laboratory analysis at this location.
Sample ID = ERM 48E (3'-6')
Sample time = 1:45
Sample analysis. TOC metals SVOCs
Sample zone 15'-6'

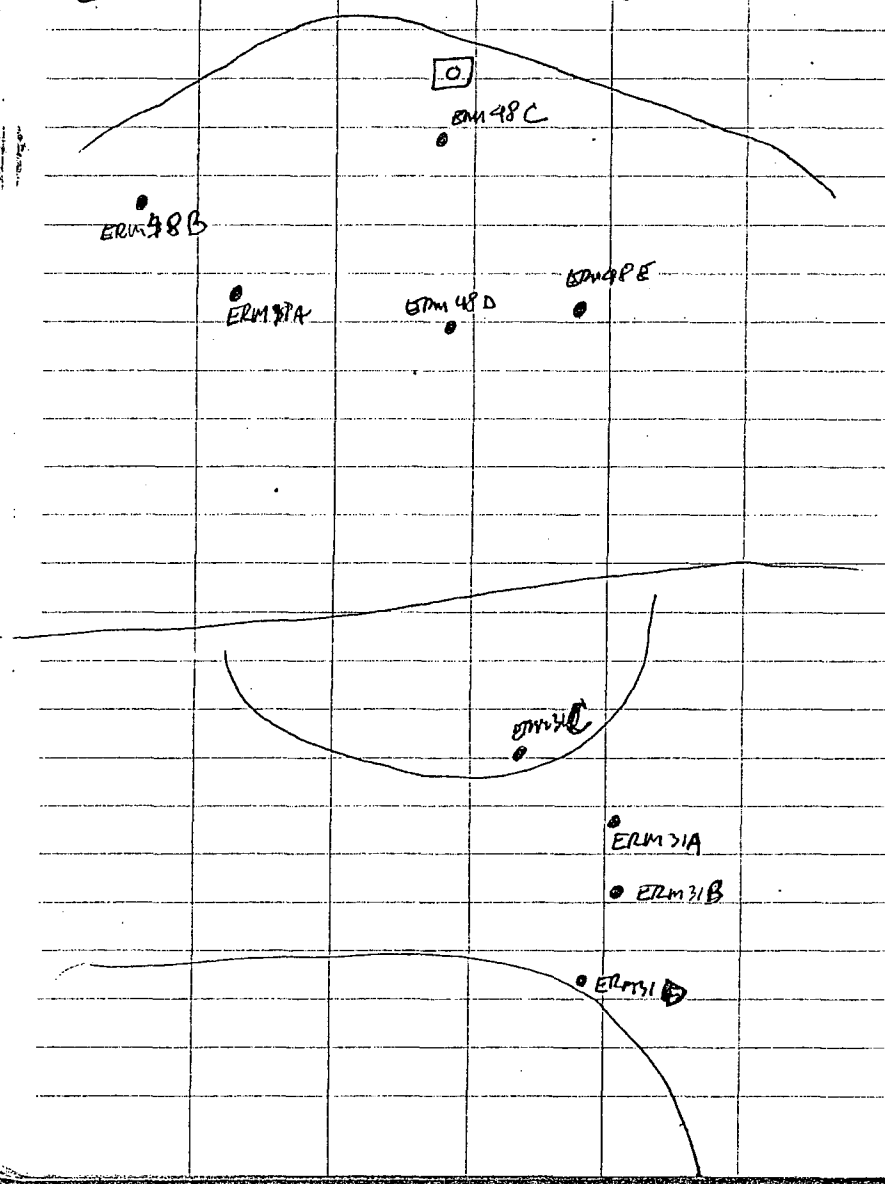
Note collected MS/MSD Sample @ this location.
Filled Extra set of Jar

End of Sampling for Day

500 Manamonuck Ave

Boring Location MAP

11-21-00
Page 24



500 Manamonuck Ave

11-21-00
Page 25

End of Sampling for Day.

all samples collected were place on ice in cooler and shipped to SPL for Analysis.

End of Day

CONECO
Engineers & Scientists

RECEIVED
FEB 06
Remedial Bureau C
Div of Environmental Remediation

LETTER OF TRANSMITTAL

To: **New York Department Environ. Conservation**
David Crosby, Project Manager
Division of Environmental Remediation
625 Broadway
Albany, New York 12233

DATE: February 3, 2014	**JOB NO.: C1525**
ATT: David Crosby	
RE: 500 Mamaroneck Ave, Harrison, NY	

We Are Sending You:

- [X] Attached
- [ ] Under Separate Cover via:
- [ ] Prints
- [ ] Plans
- [ ] Samples
- [ ] Specifications
- [ ] Copy of Letter
- [ ] Change Order
- [ ] Shop Drawings
- [ ] Other (explain):

Copies	Date	No.	Description
1	**Jan. 31, 2014**	**C1525**	**Periodic Review Report, VCP Site No. V00213** **500 Mamaroneck Avenue, Harrison, NY**

These Are Transmitted (as checked below):

- [ ] For Approval
- [ ] Approved
- [ ] Resubmit
- ____ Copies for Approval
- [ ] For Your Use
- [ ] Approved as Corrected
- [ ] Submit
- ____ Copies for Distribution
- [X] As Requested
- [ ] Revise & Resubmit
- [ ] Return
- ____ Corrected Prints
- [ ] For Review & Comment
- [ ] Returned After Loan to Us
- [ ] For Bids Due
- _____

Remarks:

Copy To: File

Signed: _____
Michael C. Feldman Principal/Senior Engineer

CONECO
Engineers & Scientists

January 31, 2014
CONECO Project No. C1525

New York State Department of Environmental Conservation
David Crosby, Project Manager
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway
Albany, New York 12233-1500

RECEIVED
Remedial Bureau C
Div. of Environmental Remediation

Re: **Periodic Review Report**
Agreement Index No. W3-0851-99-05
VCP Site No. V00213
Commercial Property: 500 Mamaroneck Avenue, Harrison, NY

David Crosby:

On behalf of Empire State Realty Trust (ESRT), Coneco Engineers & Scientists (CONECO) is please to submit this **Periodic Review Report** for the property located at 500 Mamaroneck Avenue in Harrison, New York, hereinafter referred to as the "Site".

In accordance with the terms of the Voluntary Agreement, Attachment C, entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates (the "Volunteer") now identified as Empire State Realty Trust (ESRT), and as part of the Site Remedy the NYDEC requires that sites in active State Management (SM) require the submittal of a Periodic Progress Report which includes an inspection and certification be provided, stating that the Site engineering controls are in place and effective.

The Site Remedy contained in the Remedial Action Plan Final Report (Report) prepared by Environmental Resources Management dated January 2005, and submitted to the NYDEC and approved by the NYDEC, consists of institutional and engineering controls. The engineering controls consist of the existing asphalt parking lots and landscaping and vegetative cover over the "southern berm" and the "northwest section." The engineering controls, specifically the existing asphalt pavement, acts as a protective barriers to ensure no direct exposure to residual lead and polyaromatic hydrocarbons (PAHs) in the historical underlying fill material associated with the formed Harrison Incinerator, which operated at the Site from approximately 1954 to 1980.

The Site Management Plan of the Report includes a Soil Management Plan, which ensures that engineering controls including the existing asphalt paved parking lots and vegetative cover are in place, maintained and effective in preventing direct contact by workers and/or occupants of the Site building, with the historical impacted fill material located beneath the asphalt pavement and vegetative areas designated in the Remedial Action Plan.

SITE DESCRIPTION:

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000-feet south of Union Avenue in Harrison, Westchester County, New York. The approximately 34.5-acre Site, roughly rectangular in shape, is improved with a five-story office building, and has

approximately 985-feet of frontage along Mamaroneck Avenue. A Site Locus Plan and Site Plan are attached as Figure 1 and Figure 2, respectively.

Approximately 14-acres of the Site have been improved with an office building having a footprint of 1.5-acres, 9-acres of bituminous asphalt paved parking areas (north and south of the Site structure), and an undeveloped portion of the Site to the east which serves as a "buffer area" for adjacent residential properties. The Site is services by municipal water and sewer.

PERIODIC INSPECTION:

CONECO completed the Site inspection of the entire Site on December 29, 2013. CONECO's inspection included all exterior portions of the Site. Weather conditions on the day of the inspection were cloudy with temperatures in the 40s. The Site was traversed on foot to identify any evidence of deterioration of the existing ***engineering controls*** including the entire asphalt paved parking lots and driveways, landscaped areas throughout the Site, and the "Southern Berm". Site photographs of the ***engineering controls*** at the Site are included as Attachment B.

In addition to the December 29, 2013 Periodic Inspection of the Site, daily inspections of the engineering controls are performed by the Site Building Engineer and his staff, to ensure that engineering controls are operating as designed. These daily inspections are performed by ESRT Building Engineer Norbert Ostaszewski. In the event that an engineering control deficiency is identified during the daily inspections, the deficiency is reported and immediately resolved.

Since 2009, the only engineering control deficiencies have included minor cracks or deterioration of the asphalt paved surfaces. ESRT renews an annual contract with an asphalt paving company, AIKLER Asphalt Pavement Company, Inc. of the Bronx, New York for the repair of the asphalt paved surfaces.

Asphalt Pavement

Observed Problem Areas:

During the December 29, 2013 inspection, three (3) deficient areas were identified in the northern portion of the Site asphalt paved parking lot. Photographs of the deficiencies are provided in the Site Photographs, Attachment B.

Area 1: At the southeast corner of the southern parking lot, CONECO observed an area approximately 10-feet long and 18-inches wide where the top layer of asphalt has deteriorated. The base course of asphalt in this area is intact acting as a protective barrier to ensure no direct exposure to underlying fill material. Corrective Action to this area will be performed in the Spring of 2014, by replacing the top course of asphalt pavement.

Area 2: At the south end of Parking Lane 6, located on the south side of the Site building, CONECO observed an approximately 3-foot diameter deteriorated section of the asphalt paved parking lot. The top course of asphalt is in pieces and some has washed away. The base course of asphalt in this area is intact acting as a protective barrier to ensure no direct exposure to underlying fill material. Corrective Action to this area will be performed in the Spring of 2014, by replacing the top course of asphalt pavement

Area 3: At the middle of Parking Lane 1, located on the south side of the Site building, CONECO observed an approximately 2-foot diameter depression in the asphalt. This area has been patched to prevent further deterioration. The asphalt in the depression is intact acting as a protective barrier to ensure no direct exposure to underlying fill material.

Corrective Action to this area will be performed in the Spring of 2014, by filling the depression, approximately 3-inches deep, and replacing the asphalt pavement.

Small cracks in the driveway areas, both north and south sides, and throughout the Site parking lots were observed to have been sealed, evidence of routine inspection and repair. No open cracks were observed on any portion of the Site paved parking lot during the Periodic Inspection performed by CONECO on December 29, 2013.

Corrective Action:

Corrective Action will be performed on the three (3) above identified areas, **(Area 1, Area 2, and Area 3)** in the Spring of 2014, by replacing the top course of asphalt pavement. No other Corrective action is recommended at this time.

Landscaped Areas

Observed Problem Areas:

No problem areas and/or deficiencies were observed in the **landscaped areas** across the entire Site during the December 29, 2013 Periodic Inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

Vegetative Slopes along Southern Berm

Observed Problem Areas:

No problem areas and/or deficiencies were observed along both the north and south side of the **Southern Berm** during the December 29, 2013 Periodic Inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:

No Corrective action was recommended.

It is CONECO Engineers and Scientists (CONECO) opinion that the Site Engineering Controls for the Site, 500 Mamaroneck Avenue, NYDEC Site No. V00213 are in place and effective.

The Institutional &Engineering Controls Certification Form for the Site is attached to this report as Attachment A.

The Remedy Inspection Form for the Site completed on December 29, 2013 is attached to this report as Attachment B.

If you have any questions or require additional information, please contact the undersigned at (860) 659-8558.

Sincerely,
Coneco Engineers & Scientists

Michael C. Feldman
Principal/Senior Engineer

Cc: Patrick Philbin, W&M Properties, Inc., Property Manager.

FIGURES:

Figure 1-1: Site Locus Plan

Figure 1-2: Site Plan

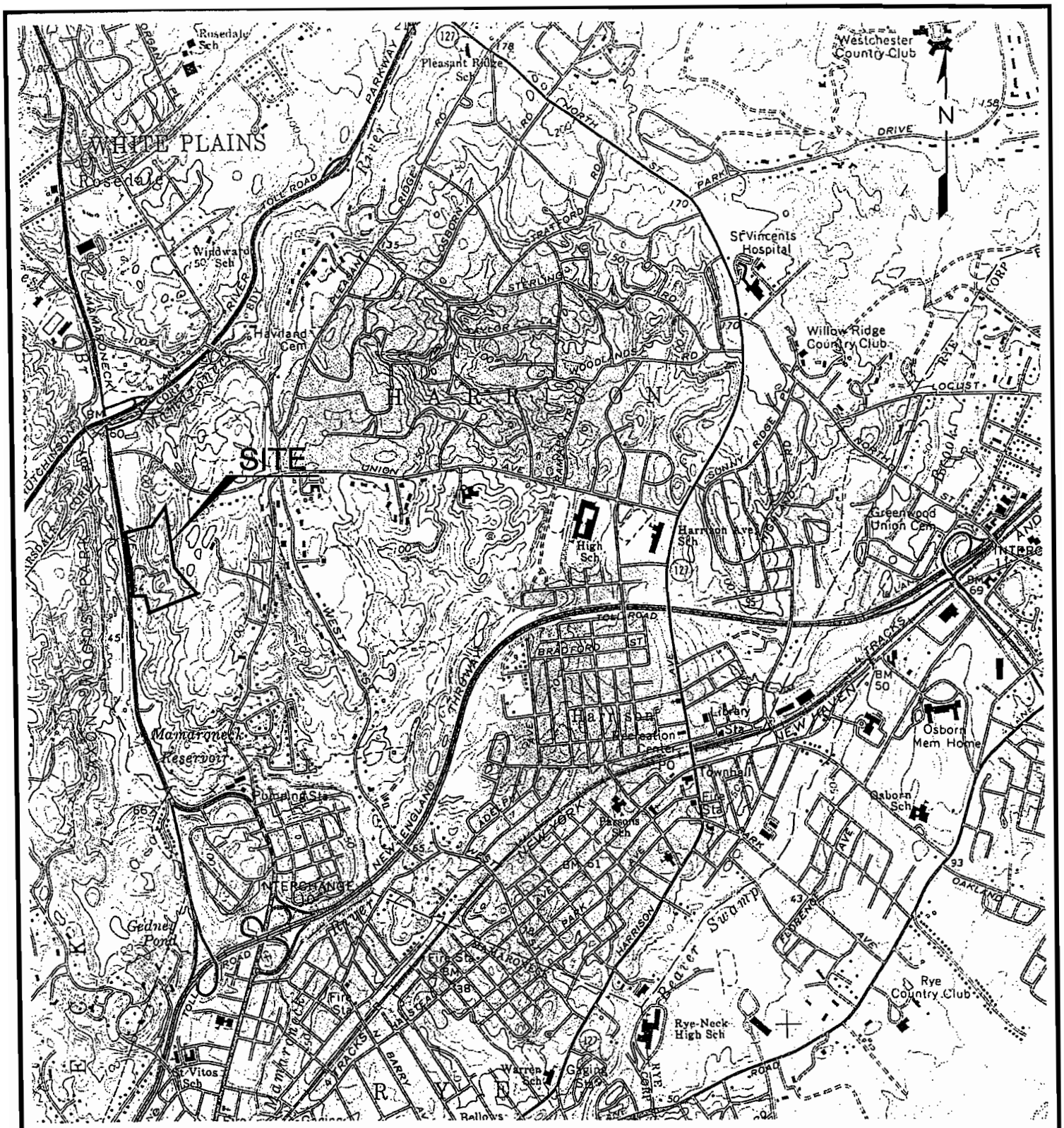
ATTACHMENTS:

Attachment A: Institutional &Engineering Controls Certification Form **Tab 1**

Attachment B: Remedy Inspection Form ..... **Tab 2**

Attachment C: Site Photographs ..... **Tab 3**

FIGURES



0 2000' 4000'

APPROX. GRAPHIC SCALE

SOURCE: U.S.G.S. QUADRANGLE MAPS, MAMARONECK, N.Y.-CONNECTICUT, 1967

TITLE

SITE LOCATION MAP
500 MAMARONECK AVENUE
HARRISON, NY

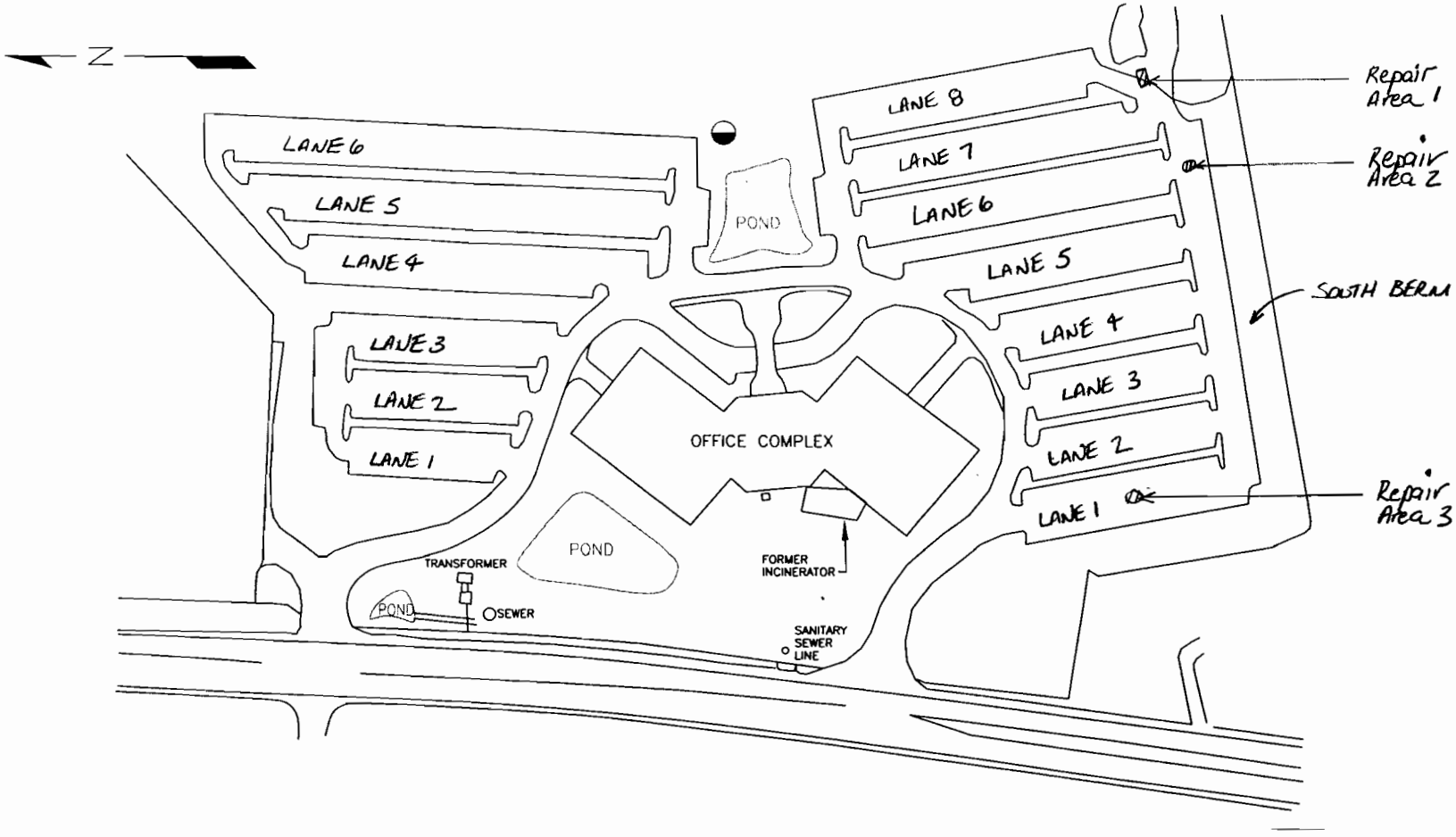
PREPARED FOR

500 MAMARONECK AVE. ASSOCIATES

ERM Environmental Resources Management

SCALE	FIGURE
GRAPHIC	1-1

DRAWN:	JOB NO.:	FILE NAME:	DATE
Y.S.	X8101.00	X810100025	10/08/02



TITLE

SITE PLAN
500 Mamaroneck Avenue

PREPARED FOR
500 MAMARONECK AVENUE ASSOCIATES

ERM
Environmental Resources Management

DRAWN	JOB NO.	FILE NAME	SCALE	FIGURE
G.G.	X8101.00.01	14540003	1"=120'	2
			DATE 11/1/99	

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. V00213

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: September 15, 2007 to November 04, 2013

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☐	☑
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

2/3/14
Date

SITE NO. V00213 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	Cover System
482-8-26.1	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

   YES ☑ NO ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

   YES ☑ NO ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Patrick Jerry Phillips
Signature of Owner, Remedial Party or Designated Representative

2/3/14
Date

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Patrick George Philbin (print name) at Empire State Realty Trust SO:MAMARONECK, LLC (print business address) One Station Place, Stamford, CT 06901

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

Date 2/3/14

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at Conesco Engineers & Scientists Corp.
print name print business address
90 National Drive, Glastonbury, CT 06033
am certifying as a Qualified Environmental Professional for the _____
(Owner or Remedial Party)

Michael C. Feldman
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

1/29/2014
Date

REMEDY INSPECTION FORM

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: December 24, 2013

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☐	☑	☐
Is there any surface water ponding on the asphalt cover?	☐	☑	☐
Is there any evidence of settlement?	☑	☐	☑

Specify Correction Actions Needed:
Three areas identified, Area 1: southeast corner of south parking lot. 10'x10' area. Area 2: south end of parking lane # 6 3'ø area. Both Area 1 & 2 top layer of asphalt deteriorated, needs to be replaced. Base layer of asphalt intact, preventing exposure to fill beneath. Area 3: Parking Lane 1, south side of site building. 1'ø depression 4".

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
Landscaped Areas very good condition

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
vegetative slope in very good condition.

cc: Managing Office

Attach a copy of Figure 1-1

MICHAEL C. FELDMAN
CONTECH ENGINEERS + SCIENTISTS
12/24/13

SITE PHOTOGRAPHS

Southeast corner of parking lot, top layer pealing (10-feet by 18-inches), base layer intact, to be repaired in Spring 2014.

Southern Berm area in very good condition, no erosion observed.

Parking Lane 8, southern upper parking lane observed to be in very good condition.

View looking west along southern edge of asphalt parking lot. One area to be repaired see next page, no other cracks or erosion observed.

3-foot diameter repair area at south end Parking Lane 6, south side building, to be repaired in Spring 2014. Base layer intact.

Parking Lane 3, south side building, in very good condition no repairs.

Southwestern Berm in very good condition, no repairs.

Parking Lane 2, south side building, very good condition no repairs.

Parking Lane 1, south side of building, very good condition with one repair see below.

Parking Lane 1, south side building, approximately 2-foot diameter sink-hole, base layer intact, repair in Spring 2014.

Southeastern Berm, very good condition, no erosion.

Southwestern corner of Site, very good condition no repairs.

Driveway along south side of building, very good condition.

Pond area, very good condition no erosion.

Parking Lane 6, north side of building, very good condition.

Parking Lane 5, north side of building, very good condition.

Parking Lane 4, north side of building, very good condition.

Parking Lane 3, north side of building, very good condition.

Driveway on north side of building, very good condition.

Landscaped area west of building, very good condition, no erosion.

RECEIVED
DEC 17 2018
Remedial Bureau C

PERIODIC REVIEW REPORT

500 MAMARONECK AVENUE: VCP SITE NO. V00213
HARRISON, NEW YORK

Submitted To:

William Bennett, Project Manager
New York State Department of Environmental Conservation
Division of Environmental remediation, BURC
625 Broadway
Albany, NY 12233-7014

Prepared By:

Coneco Engineers & Scientists
90 National Drive
Glastonbury, CT 06033

December 11, 2018

CONECO PROJECT NO. C873 ESRT

CONECO
Engineers & Scientists

Civil Design & Land Planning
Surveying
Geotechnical Engineering
Environmental Consulting
Regulatory Compliance & Permitting

December 11, 2018
CONECO Project No. C873 ESRT

William Bennett, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, New York 12233-7014

Re: **Periodic Review Report**
Agreement Index No. W3-0851-99-05
VCP Site No. V00213
Commercial Property: 500 Mamaroneck Avenue, Harrison, NY

William Bennett:

On behalf of 500 Mamaroneck Avenue, L.P. and Viviane Paris, LLC, Coneco Engineers & Scientists (CONECO) is please to submit this Periodic Progress Report (PPR) for the property located at 500 Mamaroneck Avenue in Harrison, New York, hereinafter referred to as the "Site". The Site is in active Site Management (SM) and is required by NYDEC to submit a PPR documenting the implementation of, and compliance with, site-specific SM requirements.

After NYDEC reviewed the PPR and IC/EC Certification annual reports for the Site submitted by CONECO on September 15, 2007 to November 4, 2013, NYDEC extended PPR and IC/EC submittals to every 5-years. The original date for this submittal was December 4, 2018. On November 26, 2018, CONECO requested a schedule extension, which was granted by NYDEC with the PRP due by January 31, 2019.

In accordance with the terms of the Voluntary Agreement, Attachment C, entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates (the "Volunteer"), and as part of the Site Remedy the NYDEC requires that an annual inspection and certification be provided, stating that the Site engineering controls are in place and effective.

The Site Remedy contained in the Remedial Action Plan Final Report (Report) prepared by Environmental Resources Management dated January 2005, and submitted to the NYDEC and approved by the NYDEC, consists of institutional and engineering controls. The engineering controls consist of the existing asphalt parking lots and landscaping and vegetative cover over the "southern berm" and the "northwest section."

The engineering controls, specifically the existing asphalt pavement, acts as a protective barrier to ensure no direct exposure to residual lead and polyaromatic hydrocarbons (PAHs) in the historical underlying fill material associated with the formed Harrison Incinerator, which operated at the Site from approximately 1954 to 1980.

The Site Management Plan of the Report includes a Soil Management Plan, which ensures that engineering controls including the existing asphalt paved parking lots and vegetative cover are in place, maintained and effective in preventing direct contact by workers and/or occupants of the Site building, with the historical impacted fill material located beneath the asphalt pavement and vegetative areas designated in the Remedial Action Plan.

SITE DESCRIPTION:

The Site is located on the east side of Mamaroneck Avenue, approximately 2,000-feet south of Union Avenue in Harrison, Westchester County, New York. The approximately 34.5-acre Site, roughly rectangular in shape, is improved with a five-story office building, and has approximately 985-feet of frontage along Mamaroneck Avenue. A Site Locus Plan and Site Plan are attached as Figure 1 and Figure 1-1, respectively.

Approximately 14-acres of the Site have been improved with an office building having a footprint of 1.5-acres, 9-acres of bituminous asphalt paved parking areas (north and south of the Site structure), and an undeveloped portion of the Site to the east which serves as a "Buffer Zone" for adjacent residential properties. The Site is services by municipal water and sewer.

ANNUAL CERTIFICATION:

As part of this **Annual Certification**, CONECO Senior Project Engineer, Michael Feldman, and Empire State Realty Trust (ESRT) Building Engineer, Norbert Ostaszewski, have performed inspection of the Site.

Mr. Ostaszewski and Mr. Feldman performed Site inspection on December 10, 2018.

For this Site inspections a Remedy Inspection Form (Table 8-2) as contained in the Remedial Action Work Plan dated January 2005, prepared by ERM, and approved by the NYDEC on May 5, 2005, (see Attachment 3).

In addition, Site photographs of the ***engineering controls*** at the Site including the asphalt paved parking areas, landscaped areas, Southern Berm and eastern Buffer Zone are included as Attachment B.

Semi-annual inspections performed by the Site Building Engineer and his staff, daily inspections are performed to ensure that there are no problems with the engineering controls at the Site including the asphalt paved parking areas, landscaped areas, and Southern Berm. These daily inspections are performed by Building Engineer Norbert Ostaszewski, or one or more of his staff.

ENGINEERING CONTROLS

Asphalt Pavement

Observed Problem Areas:

No significant problem areas were identified during December 10, 2018 Site inspection.

Historically the entire north parking lot was repaved with bituminous asphalt in August 2007, and the entire south parking lot was repaved with bituminous asphalt in spring 2008.

Both the north and south driveways into the Site were repaved with a 2-inch layer of bituminous asphalt in June/July 2018.

During the performance of the December 10, 2018 Site inspection, CONECO noticed several areas across the asphalt paved parking areas where small cracks have developed do to weathering. CONECO observed that these small cracks were in the top layer of asphalt only and did not penetrated into the base layer of asphalt. Therefore, no areas of soil exposure were observed.

Corrective Action:
At this time no corrective actions are recommended. According to the Site Engineer, Norbert Ostaszewski, the entire south parking lot is scheduled to be repaved in the spring/summer of 2019. At the time that the south parking lot is repaved, the north parking lot cracks are planned to be repaired. In addition, the entire north parking lot is scheduled to be paved in the spring/summer of 2020.

Landscaped Areas
Observed Problem Areas:
No problem areas and/or deficiencies were observed in the landscaped areas across the entire Site during the December 10, 2018 Site inspection. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:
No Corrective action was recommended.

Vegetative Slopes along Southern Berm

Observed Problem Areas:
No problem areas and/or deficiencies were observed along both the north and south side of the Southern Berm during the December 10, 2018 Site inspections. No bare spots, erosion rivulets, washouts or soil slides were observed.

Corrective Action:
No Corrective action was recommended.

External Buffer Zone

At the time the Site was developed with the existing office building and associated asphalt paved parking lots and landscaped areas, the Harrison Board of Zoning required that approximately 20-acres of the Site be set aside as buffer between the office building and adjoining residences to the east. Therefore the "Eastern Buffer Zone" was established. This buffer zone consists of heavily wooded land and a seasonal pond located on the eastern portion of the Site, abutting the asphalt paved parking areas.

CONECO traversed the buffer zone on foot to verify that no development or changes to the landscape have occurred. At the time of the Site inspection performed on December 10, 2018, the buffer zone was observed to remain undeveloped and unchanged since the last Site inspection performed in 2008.

Corrective Action:
No Corrective action was recommended.

It is CONECO Engineers and Scientists (CONECO) opinion that the Site Engineering Controls for the year 2018 are in place and effective.

If you have any questions or require additional information, please contact the undersigned at (860) 659-8558.

Sincerely,
Coneco Engineers & Scientists

Michael C. Feldman
Principal/Senior Engineer

Cc: Clara L. Sanchez, RPA, Project Manager, Empire State Realty Trust, Inc.

FIGURES:

Figure 1: Site Locus Plan

Figure 1-1: Site Plan

ATTACHMENTS:

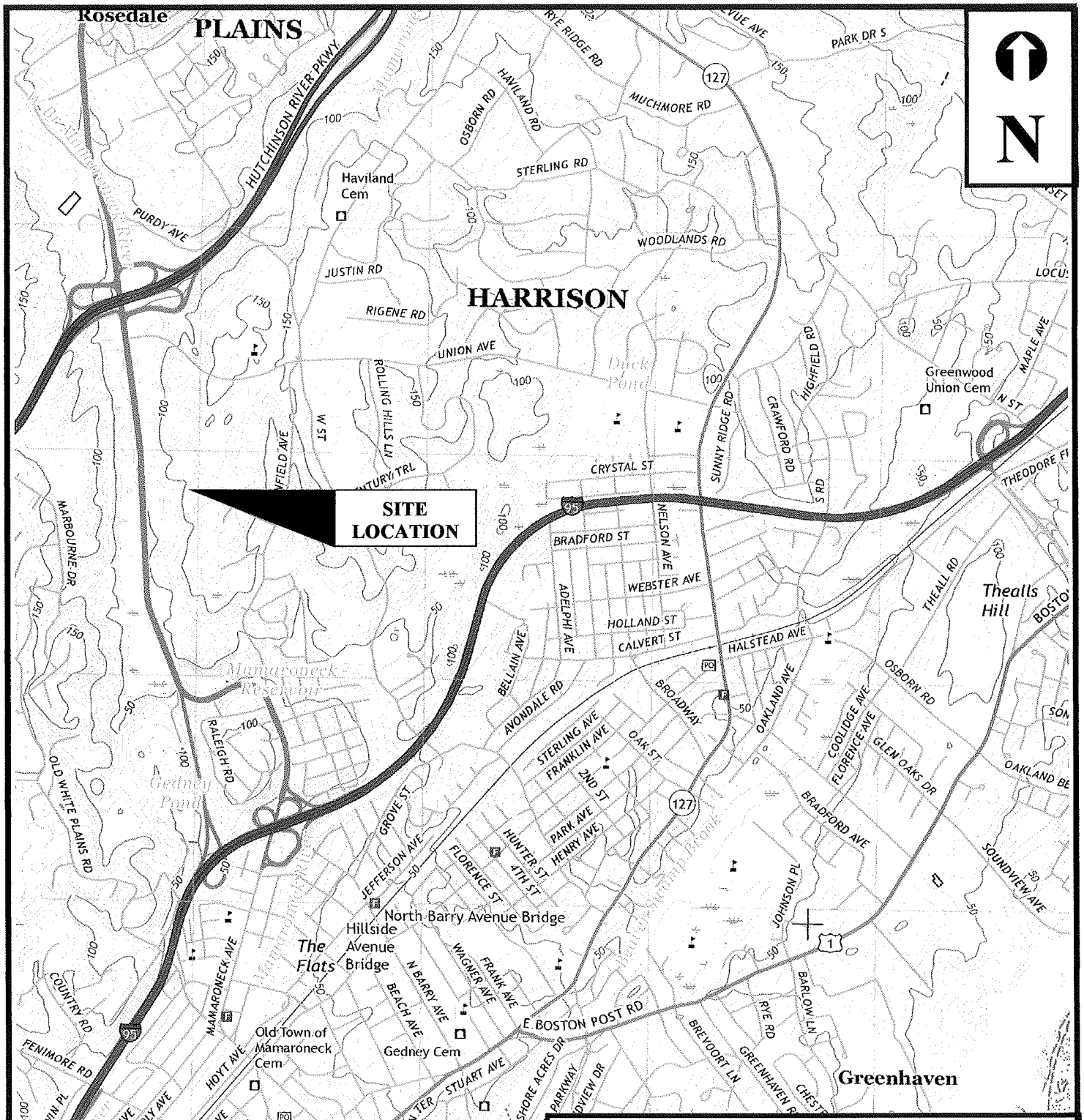
Attachment A: Table 8-2 Remedy Inspection Form ..... Tab 1

Attachment B: Site Photographs ..... Tab 2

Attachment C: Voluntary Agreement (Index No. W3-0851-99-05) ..... Tab 3

Attachment D: Enclosure 2: ..... Tab 4
NYDEC Site Management Periodic Review Report Notice
Institutional & Engineering Controls Certification Form

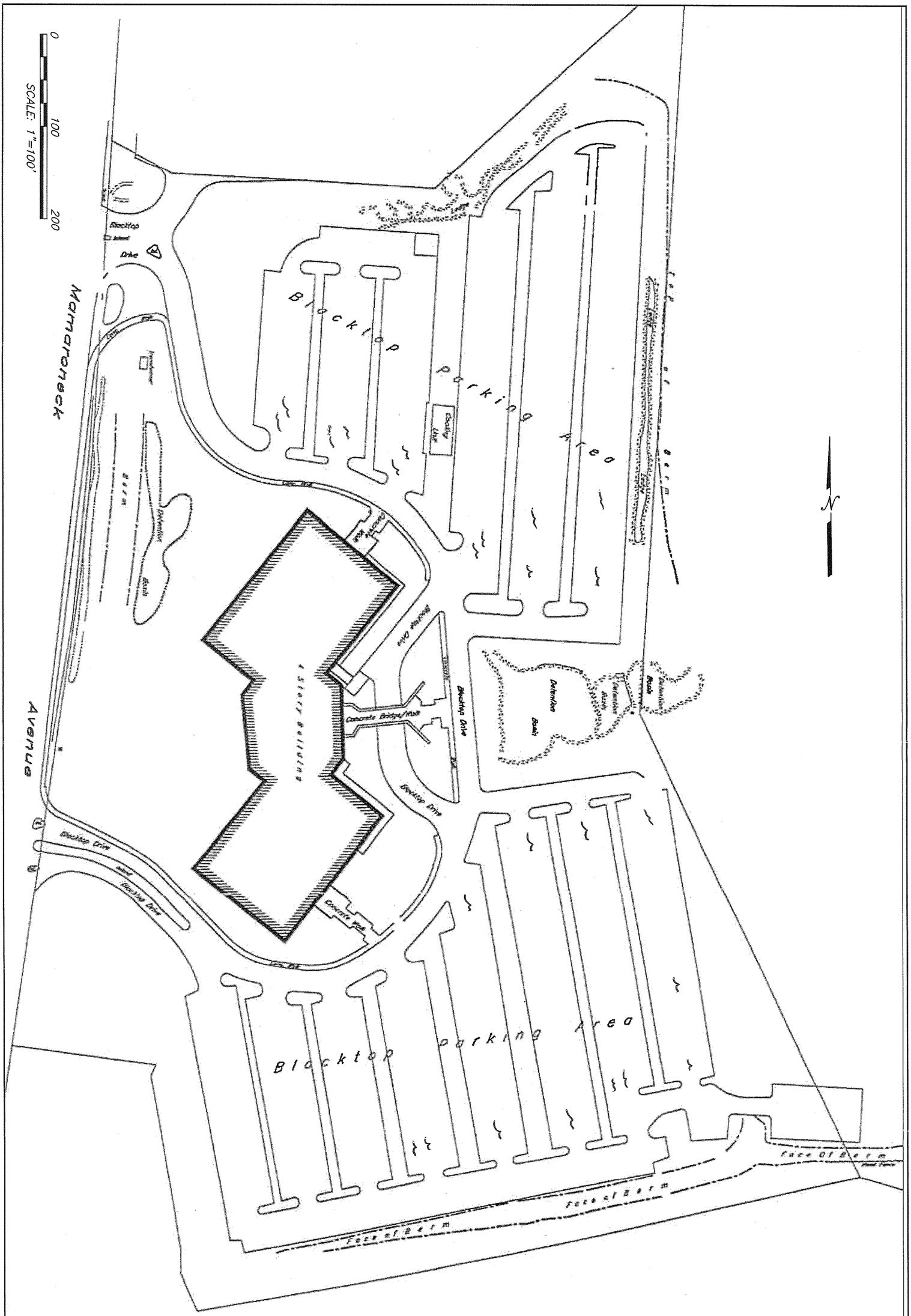
FIGURES



CONECO ENGINEERS & SCIENTISTS

Locus Plan
Office Building
500 Mamaroneck Avenue
Harrison, New York

FIGURE 1



CONECO
Engineers & Scientists

90 NATIONAL DRIVE, GLASTONBURY, CONNECTICUT (860) 659-8558

	DRAWN	CHECKED	APPROVED
BY	T.F.M.		
DATE	12/06/18		

SITE PLAN

OFFICE BUILDING
500 MAMARONECK AVENUE
HARRISON, NEW YORK

SCALE	PROJECT NO.	DRAWING NUMBER
1" = 100'	C 873	FIGURE 1-1

≈ small cracks in pavement

SITE REMEDY INSPECTION FORM

Table 8-2
Remedy Inspection Form
500 Mamaroneck Avenue, Harrison, NY

DATE(S) OF INSPECTION: DECEMBER 10, 2018

Note the location(s) of any the inspection findings described below on Figure 1-1 (attached).

	Yes	No	Corrective Action Needed?
Asphalt Cover			
Are there any cracks in the asphalt cover?	☑	☐	☐
Is there any surface water ponding on the asphalt cover?	☑	☐	☐
Is there any evidence of settlement?	☐	☑	☐

Specify Correction Actions Needed:
small cracks in the top course of asphalt were observed some have been filled with tar. No cracks go through the base course of asphalt. No soil was exposed, some ice has formed on asphalt in southeast corner of parking lot.

	Yes	No	Corrective Action Needed?
Landscaped Areas			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
All grassed areas around Site Building are in very good condition. No erosion or washouts were observed for the entire Site.

	Yes	No	Corrective Action Needed?
Vegetative Slopes Along the Southern Berm			
Are there any visible bare spots?	☐	☑	☐
Are there any erosion rivulets?	☐	☑	☐
Is there evidence of any washouts or soil slides?	☐	☑	☐

Specify Correction Actions Needed:
NONE, Slopes and Berm in good condition

cc: Managing Office

Attach a copy of Figure 1-1

SITE PHOTOGRAPHS

500 Mamaroneck Avenue, Harrison, NY NYDEC Site No.: V00213.

Grassed area north of the north driveway into to Site, very good vegetative cover.

North driveway, excellent condition, paved summer of 2018.

Grassed area front of Site building, vegetative coved, very good condition.

1st row of asphalt paved parking North, small cracks in asphalt, none below top course.

3rd row of asphalt paved parking North, few cracks in asphalt, none below top course.

2nd row of asphalt paved parking North, small cracks in asphalt, none below top course.

4th row of asphalt paved parking North, several cracks in asphalt, none below top course.

5th row asphalt paved parking North, several cracks in asphalt, none below top course.

Typical crack in top layer of asphalt.

6th row asphalt paved parking North, small cracks in asphalt, none below top course.

Buffer Zone northeast corner of Site property.

Eastern Buffer Zone, pond.

Eastern Buffer Zone, view looking northeast.

South Driveway, view looking east. Paved in June 2018.

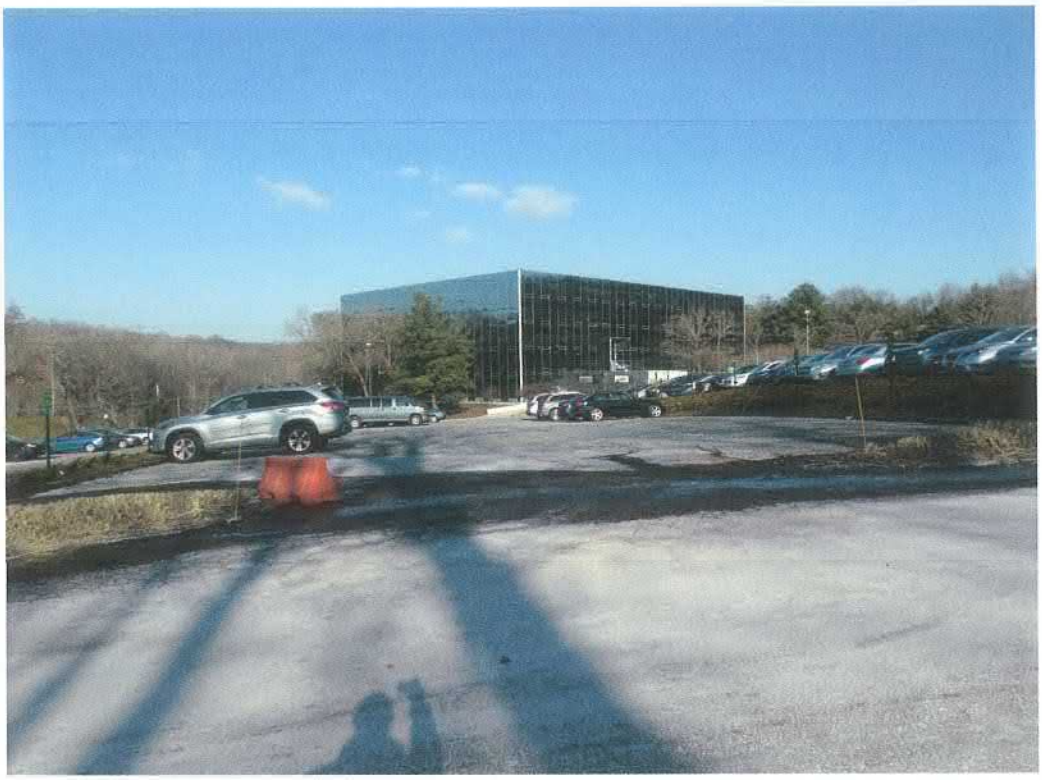
Vegetative cover, southwestern portion of Site, view looking north.

Drainage swale along Mamaroneck Ave., good condition no erosion.

1st row of asphalt paved parking South, small cracks in asphalt, none below top course.

Typical small cracks in 1st course of asphalt, none in 2nd course of asphalt pavement.

Southern Berm, vegetative cover, very good condition.



2nd row of asphalt paved parking South, small cracks in asphalt, none below top course.

South Berm, vegetative cover, good condition.

3rd row of asphalt paved parking South, small cracks in asphalt, none below top course.

4th row of asphalt paved parking South, small cracks in asphalt, none below top course.

South Berm, vegetative cover, very good condition.

5th row of asphalt paved parking South, small cracks in asphalt, none below top course.

6th row of asphalt paved parking South, small cracks in asphalt, none below top course.

Buffer Zone, Southeast portion of Site.

VOLUNTARY AGREEMENT (Index No. W3-0851-99-05)

New York State Department of Environmental Conservation
Division of Environmental Enforcement
Bureau of Superfund and Brownfield Restoration, 14th Floor
625 Broadway, Albany, New York 12233-1500
Phone: (518) 402-2794 • FAX: (518) 402-8541
Website: www.dec.state.ny.us

Alexander B. Grannis
Commissioner

500 Mamaroneck Avenue Associates
% Schluman Realty
500 Mamaroneck Avenue
Harrison, New York 10525

Re: 500 Mamaroneck Ave. VCP Site No. V00213,
Mamaroneck Avenue Associates ("Volunteer"),
Agreement Index No.W3-0851-99-05

Attention: Douglas A. Ramsay

Release and Covenant Not to Sue

Unless otherwise specified in this letter, all terms used in this letter shall have the meaning assigned to them under the terms of the Voluntary Agreement entered into between the New York State Department of Environmental Conservation (the "Department") and 500 Mamaroneck Avenue Associates ("Volunteer"), Index No.W3-0851-99-05 (the "Agreement").

The Department is pleased to report that the Department is satisfied that the Agreement's Work Plan, covering the remediation of the Site, located at 500 Mamaroneck Avenue in the Town of Harrison, State of New York, Tax Map Tax Block, 482 and lot no. 8, has been successfully implemented.

The Department and the Trustee of New York State's natural resources ("Trustee"), therefore, hereby release, covenant not to sue, and shall forbear from bringing any action, proceeding, or suit against Volunteer, Volunteer's partners and Volunteer's insurer to the extent of Volunteer's liability at the Site, and Volunteer's lessees and sublessees and Volunteer's successors and assigns and their respective secured creditors, for the further investigation and remediation of the Site, and for natural resources damages, based upon the release or threatened release of Covered Contamination, provided that (a) timely payments of the amounts specified in Paragraph VI of the Agreement continue to be or have been made to the Department, (b) appropriate notices and deed restrictions have been recorded in accordance with Paragraphs IX and X of the Agreement, and (c) Volunteer and/or Volunteer's lessees, sublessees, successors, or assigns promptly commence and diligently pursue to completion the Department-approved O&M Plan, if any. Nonetheless, the Department and the Trustee hereby reserve all of their respective rights concerning, and such release, covenant not to sue, and forbearance shall not extend to any further investigation or remedial action the Department deems necessary:

- due to off-Site migration of petroleum, irrespective of whether the information available to Volunteer and the Department at the time of the development of the Work Plan disclosed the existence or potential existence of such off-Site migration;

- due to environmental conditions related to the Site that were unknown to the Department at the time of its approval of the Work Plan which indicate that Site conditions are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to information received, in whole or in part, after the Department's approval of the final engineering report, which indicates that the activities carried out in accordance with the Work Plan are not sufficiently protective of human health and the environment for the Contemplated Use;

- due to Volunteer's failure to implement the Agreement to the Department's satisfaction; or

- due to fraud committed, or mistake made, by Volunteer in demonstrating that the Site-specific cleanup levels identified in, or to be identified in accordance with, the Work Plan were reached.

Additionally, the Department and the Trustee hereby reserve all of their respective rights concerning, and any such release, covenant not to sue, and forbearance shall not extend to:

- Volunteer if Volunteer causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination; or if Volunteer causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; nor to

- any of Volunteer's lessees, sublessees, successors, or assigns who causes a, or suffers the, release or threat of release, at the Site of any hazardous substance (as that term is defined at 42 USC 9601[14]) or petroleum (as that term is defined in Navigation Law § 172[15]), other than Covered Contamination, after the effective date of the Agreement; who causes a, or suffers the use of the Site to, change from the Contemplated Use to one requiring a lower level of residual contamination before that use can be implemented with sufficient protection of human health and the environment; or who is otherwise a party responsible under law for the remediation of the Existing Contamination independent of any obligation that party may have respecting same established resulting solely from the Agreement's execution.

Notwithstanding the above, however, with respect to any claim or cause of action asserted by the Department, the one seeking the benefit of this release, covenant not to sue, and forbearance shall bear the burden of proving that the claim or cause of action, or any part thereof, is attributable solely to Covered Contamination.

Notwithstanding any other provision in this release, covenant not to sue, and forbearance,

- if with respect to the Site there exists or may exist a claim of any kind or nature on the part of the New York State Environmental Protection and Spill Compensation Fund against any party, nothing in this release shall be construed, or deemed, to preclude the State of New York from recovering such claim.

- except as provided in Subparagraph I.G of the Agreement and in this letter, nothing contained in the Agreement or in this letter shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's or Trustee's rights (including, but not limited to, nor exemplified by, the right to recover natural resources damages) with respect to any party, including Volunteer.

- nothing contained in this letter shall prejudice any rights of the Department or Trustee to take any investigatory or remedial action it may deem necessary if Volunteer fails to comply with the Agreement or if contamination other than Existing Contamination or Covered Contamination is encountered at the Site.

- nothing contained in this letter shall be construed to prohibit the Commissioner or his duly authorized representative from exercising any summary abatement powers.

- nothing contained in this letter shall be construed to affect the Department's right to terminate the Agreement at any time during its implementation if Volunteer fails to comply substantially with the Agreement's terms and conditions.

In conclusion, the Department is pleased to be part of this effort to return the Site to productive use of benefit to the entire community.

ALEXANDER B. GRANNIS, COMMISSIONER
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION AND
TRUSTEE OF NEW YORK STATE'S
NATURAL RESOURCES

By: _____
Deborah Christian, Acting Chief
Bureau of Superfund and Brownfield Restoration

DC/mjl:264240

ENCLOSURE 1:
NYDEC SITE MANAGEMENT PERIODIC REVIEW NOTICE INSTITUTIONAL and ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

NEW YORK STATE

Site Details	Box 1

Site No. V00213

Site Name 500 Mamaroneck Avenue

Site Address: 500 Mamaroneck Avenue Zip Code: 10528
City/Town: Harrison
County: Westchester
Site Acreage:

Reporting Period: November 04, 2013 to November 04, 2018

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial OFFICE BUILDING	☐	☑
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

CONECO ENGINEERS & SCIENTISTS CORP.

Signature of Owner, Remedial Party or Designated Representative

DEC. 11, 2018

Date

SITE NO. V00213 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
482-8-26	Empire State Realty Trust	
		Soil Management Plan
		Ground Water Use Restriction

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

482-8-26.1	Empire State Realty Trust	
		Ground Water Use Restriction
		Soil Management Plan

The property is restricted to commercial landuse.

Use as a day care, child care, or medial care facility (other than out-patient care) is restricted.

Maintain the cover / cap system idnetified in the RAWP.

Groundwater is not to be used for potable purposes unless the relevant agency provides written premissions except that the groundwater may be used for decorative fountains, waterfalls and other similar purposes consistent with the current use.

Compliance with the Site Management Plan for any work intrusive work conducted at the soil cover areas.

Annual certification that the engineering and institutional controls are in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
482-8-26	
	Cover System
482-8-26.1	
	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative _____ Date _____

IC CERTIFICATIONS
SITE NO. V00213

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at CONECO ENGINEERS & SCIENTISTS CORP.
print name print business address

am certifying as ENVIRONMENTAL ENGINEER FOR ESRT (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

CONECO ENGINEERS & SCIENTISTS CORP.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

DEC. 11, 2018
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I MICHAEL C. FELDMAN at CONECO ENGINEERS & SCIENTISTS, CORP.,
print name print business address

am certifying as a Qualified Environmental Professional for the ESPT
(Owner or Remedial Party)

	CONECO ENGINEERS & SCIENTISTS, CORP	DEC. 11, 2018
Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date

WP. V00213. 2002-11-05.
Soil MP

FILE COPY

ENVIRONMENTAL RESOURCES MANAGEMENT

SOIL MANAGEMENT PLAN

500 MAMARONECK AVENUE
HARRISON, NEW YORK

5 NOVEMBER 2002

RECEIVED
NOV - 7 2002
BUREAU OF EASTERN
REMEDIAL ACTION

Prepared For:

W&M Properties of New York L.L.C.
60 East 42nd Street, 26thFloor
New York, NY 10165

Prepared By:

ENVIRONMENTAL RESOURCES MANAGEMENT
520 Broad Hollow Road, Suite 210
Melville, NY 11797

RECEIVED
NOV - 7 2002
BUREAU OF EASTERN
REMEDIAL ACTION

ERM®

SOIL MANAGEMENT PLAN

500 MAMARONECK AVENUE
Harrison, New York

NOVEMBER 5, 2002

Prepared For:

W&M Properties of New York L.L.C.
60 East 42nd Street, 26th Floor
New York, NY 10165

Prepared By:

ENVIRONMENTAL RESOURCES MANAGEMENT
520 Broad Hollow Road, Suite 210
Melville, NY 11797

500 Mamaroneck/X8101.00.01.2077

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3.0	*IMPLEMENTATION OF THE SOIL MANAGEMENT PLAN*	*3*
3.1	*WORK PROCEDURES FOR EXCAVATION ACTIVITES*	*3*
3.2	*SOIL DISPOSAL REQUIREMENTS*	*4*

1.0 *SITE BACKGROUND*

Subsurface soil at 500 Mamaroneck Avenue (site) has been impacted by operation of the Town of Harrison Municipal Incinerator, which formerly occupied the property. Residual municipal waste, ash/slag and atmospheric deposition of particulates from the incinerator remain in the subsurface soil at the site. The concentrations of polynuclear aromatic hydrocarbons (PAHs) and certain metals (arsenic, barium, cadmium, calcium, chromium, copper, lead, magnesium, mercury, nickel, and zinc) exceed Recommended Soil Clean up Objectives (RSCOs) specified in the New York State Department of Environmental Conservation Technical and Guidance Memorandum Number 4046 (TAGM 4046). The residuals are capped by the building, parking areas paved with bituminous material and landscaped areas. Direct contact with the residuals is thereby controlled and the potential for contact minimized.

Maintenance activities to be carried out at the site that involve excavation of subsurface soil have the potential for site workers to contact the residuals and to generate waste material that may require proper management. This plan identifies the activities that may require management of excavated soil generated at 500 Mamaroneck Avenue.

2.0 *APPLICATION OF THE SOIL MANAGEMENT PLAN*

For the capping at 500 Mamaroneck Avenue to remain protective, all subsurface soil must remain at least two feet below final grade. Management measures must be implemented should any of the following activities occur:

- Excavation of soil from beneath the asphalt subbase in the parking areas. If soil from beneath the subbase is exposed without excavation, dust suppression measures may be required.
- Excavation of subsurface soil, from more than 2-feet below the vegetative layer in landscaped or grassed areas.
- Regrading (i.e., cutting) that would reduce the thickness of the existing surface soil layer to less than two feet, or would otherwise place subsurface soil in the top two-foot surface soil interval.

Should any of the above activities be carried out, the Soil Management Plan, presented in the following section, should be followed to properly manage the soil.

3.0 *IMPLEMENTATION OF THE SOIL MANAGEMENT PLAN*

The goal of this Soil Management Plan is to properly manage soil that is excavated during future work activities on the Site. Therefore, this section is structured to present reasonable procedures and precautions to ensure that future work activities are implemented safely, without impacting Site workers or the environment. Because the concentrations of PAHs, polychlorinated biphenyls (PCBs), and metals in subsurface soil is highly variable across the site, precautions must be taken during all excavation activities.

3.1 *WORK PROCEDURES FOR EXCAVATION ACTIVITES*

If any future work (e.g., pipe installation, soil grading, landscaping, etc.) is conducted involving excavation, the procedures identified below will be implemented.

- Workers will not be required to wear protective clothing, however, eating, drinking and smoking in the vicinity of the excavation is strictly prohibited.
- Respiratory protection (i.e., respirators) is not anticipated to be necessary, however, dust masks are recommended. This level of protection is acceptable provided that airborne dust concentrations are minimized by water misting and/or good work practices. Visible airborne dust concentrations are not acceptable.
- Any excavated soil will be stockpiled on site, or staged in rolloffs, at all times until final determinations are made regarding disposal or re-use. Any stockpiles will be lined with seamless plastic sheeting, and covered with polyethylene sheeting.
- Anthropogenic material such as tires, metallic debris, bottles, stained soil should be segregated and disposed off-site.
- The stockpiled soil and/or other excavated materials will be stored in a secure area of the site until analytical results are obtained.
- Off-Site disposal of excavated soil is required, unless it can be demonstrated that the concentrations of residuals are below TAGM

4046 RSCOs. To demonstrate that excavated soil has not been impacted, a statistically significant number of samples should be collected from any excavated soil considered for reuse and analyzed using applicable USEPA analytical methods and the analytical results compared to TAGM 4046 RSCOs (see SW 846 for sampling program design). Refer to Section 3.2 for Off-Site Disposal Options.

- The asphalt surface for the 2-foot soil cover should be restored after work activities are complete. If the asphalt surface or 2-feet of cover will not be restored, NYSDEC project representatives should be consulted to determine if there is a need for any further action.

3.2 *SOIL DISPOSAL REQUIREMENTS*

This section is intended as a guideline for future site workers, to ensure the proper management of excavated soil that will be disposed off-Site. Because the solid and hazardous waste regulations are in a continuous state of change, this section provides only general guidelines, and is current as of July 2000. Any future soil disposal, if necessary, must be conducted in accordance with the regulations current at the time the disposal activities will take place. All applicable and appropriate standards, guidance and criteria will be followed to properly manage any remedial waste that is generated.

If off-Site disposal of soil is required, the soil must be characterized for disposal purposes, in accordance with the requirements of the disposal facilities. Once disposal facility approval has been obtained, the soil will be transported in disposal trailers or rolloffs, to the appropriate, selected off-Site disposal facility. Any applicable waste manifesting, truck placarding, or other requirements will be followed.

In general, three categories of soil could be generated for off-Site disposal:

- Non-regulated "industrial waste" soil;
- RCRA-regulated hazardous waste soil; and

- TSCA-regulated soil containing PCBs (In New York, TSCA-regulated PCB soil is considered a New York State hazardous waste).

Non-regulated soil would consist of soil that does not contain constituents at concentrations high enough to be considered a TSCA or RCRA regulated waste.

Promulgated federal regulations (i.e., the June 1998 PCB Rule) regulate the disposal of soil if it contains PCBs at or above a concentration of 50 mg/kg. The Waste Management landfill in Model City, New York is currently permitted under TSCA to accept PCB soil for disposal.

APPENDIX G:

EDR DATABASE SEARCH REPORT

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6602268.2s
August 02, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

500 MAMARONECK AVE
HARRISON, NY 10528

COORDINATES

Latitude (North):	40.9772880 - 40˚ 58' 38.23''
Longitude (West):	73.7405650 - 73˚ 44' 26.03''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	605960.8
UTM Y (Meters):	4536787.5
Elevation:	130 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5940545 MAMARONECK, NY
Version Date:	2013
Southwest Map:	5940557 MOUNT VERNON, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150522, 20150624
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
500 MAMARONECK AVE
HARRISON, NY 10528

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		500 MAMARONECK AVE.	NY COOLING TOWERS		TP
A2	B2E BIOTECH LLC	500 MAMARONECK AVENU	SSTS		TP
A3	HARTZ B2E	500 MAMARONECK AVE	FINDS		TP
A4	HARTZ-B2E LLC	500 MAMARONECK AVENU	SSTS		TP
A5	EMPIRE STATE REALTY	500 MAMARONECK AVENU	NY UST		TP
A6	500 MAMARONECK AVENU	500 MAMARONECK AVENU	NY ENG CONTROLS, NY INST CONTROL, NY VCP, NY...		TP
A7	B2E CORP	500 MAMARONECK AVE	SSTS		TP
B8	ON THE ROADWAY	550 MAMARONECK AVE	NY Spills	Lower	15, 0.003, WNW
B9	BROADWAY REAL ESTATE	550 MAMARONECK AVE	RCRA-VSQG, FINDS, ECHO, NJ MANIFEST, NY MANIFEST	Lower	15, 0.003, WNW
B10	SAXON WOODS CORPORAT	550 - 600 MAMARONECK	NY UST	Lower	15, 0.003, WNW
C11	CLUNE PC - 550 UST	480 MAMARONECK AVE	NY Spills	Lower	53, 0.010, SW
C12	CLUNE PC - 1 K UST	480 MAMARONECK AVE	NY Spills	Lower	53, 0.010, SW
13	RESIDENCE	41 WINDFIELD AVE	NY Spills	Lower	60, 0.011, ESE
14	SUEANN MILES	25 WINDFIELD	NY LTANKS	Lower	185, 0.035, ENE
15	CON EDISON	550 MAMARONECK AVE &	RCRA NonGen / NLR, NY MANIFEST, NJ MANIFEST	Lower	293, 0.055, NNW
16	NYSDOT BIN 5523361	RTE 907 W OVER MAMAR	RCRA NonGen / NLR	Lower	363, 0.069, NW
D17	CON EDISON	7 GLEN DR	RCRA NonGen / NLR, FINDS, ECHO	Lower	400, 0.076, SE
D18	CON EDISON	7 GLEN DR	NJ MANIFEST	Lower	400, 0.076, SE
D19	CON EDISON	7 GLEN DR	NY MANIFEST	Lower	400, 0.076, SE
E20	CON EDISON	240 UNION AV	NY MANIFEST	Higher	458, 0.087, NNE
F21	CON EDISON	270 UNION AVE FRONT	RCRA NonGen / NLR, FINDS, ECHO	Higher	465, 0.088, North
F22	CON EDISON	270 UNION AVE FRONT	RCRA NonGen / NLR	Higher	465, 0.088, North
F23	CON EDISON	270 UNION AVE FRONT	NJ MANIFEST	Higher	465, 0.088, North
F24	CON EDISON	270 UNION AVE FRONT	NJ MANIFEST	Higher	465, 0.088, North
F25	CON EDISON	270 UNION AVE FRONT	NY MANIFEST	Higher	465, 0.088, North
F26	CON EDISON	270 UNION AVE FRONT	PA MANIFEST	Higher	465, 0.088, North
27	RESIDENCE	19 WINFIELD AVE	NY LTANKS	Lower	490, 0.093, East
G28	NEWMAN - AST	598 WEST STREET	NY Spills	Higher	491, 0.093, East
E29	RUBIN - TTF	244 UNION AVE	NY LTANKS	Higher	492, 0.093, NNE
E30	MCSORELY HOME	236 UNION AVE	NY Spills	Higher	500, 0.095, NE
F31	STELLA RESIDENCE	252 UNION AVE	NY Spills	Higher	505, 0.096, NNE
G32	LOMBARDI RESIDENCE	599 WEST STREET	NY LTANKS	Higher	512, 0.097, East
H33	SCHUENKE RESIDENCE	580 WEST STREET	NY UST	Higher	522, 0.099, East
H34	MARSHALL RESIDENCE	585 WEST ST	NY LTANKS	Higher	548, 0.104, East
G35	PRIVATE DWELLING	607 WEST STREET	NY LTANKS	Higher	560, 0.106, East
F36	CON ED HARRISON SUBS	295 UNION AVE	NY Spills	Lower	607, 0.115, North
F37	HARRISON CSD - HARRI	255 UNION AVE	RCRA-VSQG, FTTS	Lower	607, 0.115, North
F38	HARRISON HIGH SCHOOL	295 UNION AVE	NY Spills, NY MANIFEST	Lower	607, 0.115, North
F39	CON ED SUB STATION	295 UNION ED	NY Spills	Lower	607, 0.115, North

MAPPED SITES SUMMARY

Target Property Address:
500 MAMARONECK AVE
HARRISON, NY 10528

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	CON EDISON	295 UNION AVE	PA MANIFEST	Lower	607, 0.115, North
F41	CON EDISON - HARRISO	295 UNION AVE	RCRA-SQG, NY MANIFEST, NJ MANIFEST	Lower	607, 0.115, North
I42	ADLER - UST	232 UNION AVE	NY Spills	Higher	659, 0.125, NE
J43	BROADWAY REAL ESTATE	600 MAMARONECK AVE	RCRA-VSQG, FINDS, ECHO, NJ MANIFEST	Lower	755, 0.143, NNW
J44	MENDIK REALITY	600 MAMARONECK AVE -	NY LTANKS, NY MANIFEST	Lower	755, 0.143, NNW
45	CON EDISON	9 WINFIELD AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	774, 0.147, ENE
K46	CON ED - V 5471	450 MAMARONECK AVE /	RCRA NonGen / NLR, NY MANIFEST	Lower	821, 0.155, SSW
K47	450 MAMARONECK AVENU	450 MAMARONECK AVENU	NY AST	Lower	821, 0.155, SSW
I48	HARRISON HIGH SCHOOL	255 UNION AVENUE	NY UST	Higher	871, 0.165, NE
I49	REAL ESTATE - TTF	228 UNION AVE	NY LTANKS	Higher	886, 0.168, NE
L50	SPILL NUMBER 9908460	49 WINDFIELD RD	NY LTANKS	Lower	916, 0.173, SE
51	CON EDISON POLE: W44	50 WEST ST & CENTURY	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	960, 0.182, ESE
M52	CON EDISON	226 UNION AV WEST ST	NY MANIFEST	Higher	999, 0.189, NE
M53	RESIDENCE	226 UNION AVE	NY LTANKS	Higher	999, 0.189, NE
54	LAZARUS	627 WEST ST	NY LTANKS	Higher	1055, 0.200, ENE
L55	BROWN RESIDENCE	53 WINFIELD AVE	NY LTANKS	Lower	1077, 0.204, SE
N56	CON EDISON	UNION AVE & MAMARONE	RCRA NonGen / NLR, NY MANIFEST, NJ MANIFEST	Lower	1146, 0.217, NNW
N57	CONSOLIDATED EDISON	MAMARONECK & UNION	NY MANIFEST	Lower	1157, 0.219, NNW
M58	HARRISON CENTRAL SCH	UNION AVE & WEST ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1176, 0.223, NE
M59	CON EDISON VAULT: 17	WEST ST & UNION AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	1191, 0.226, NE
O60	CON EDISON	23 ROLLING HILLS LN	RCRA NonGen / NLR, NY MANIFEST	Higher	1290, 0.244, East
O61	RESIDENCE	23 ROLLING HILLS LAN	NY LTANKS, NY Spills	Higher	1290, 0.244, East
62	LOWENTHAL RESIDENCE	222 UNION AVE	NY LTANKS	Higher	1405, 0.266, NE
63	POLE 16	45 CENTURY TRAIL RD	NY LTANKS, NY Spills	Higher	1430, 0.271, ESE
64	ZUCKER	11 CRICKLEWOOD LA	NY LTANKS	Lower	1557, 0.295, SE
P65	BOHN - TTF (POOL TAN	225 UNION AVE	NY LTANKS	Higher	1787, 0.338, ENE
P66	BINDER - TTF	225 UNION AVE	NY LTANKS	Higher	1787, 0.338, ENE
Q67	SPILL NUMBER 0302418	30 STONEWALL LANE	NY LTANKS, NY Spills	Higher	1912, 0.362, West
Q68	SPILL NUMBER 0310047	25 STONEWALL LANE	NY LTANKS	Higher	1916, 0.363, WSW
R69	16 FAIRWAY DRIVE	16 FAIRWAY DRIVE	NY LTANKS	Higher	2033, 0.385, WSW
R70	SPILL NUMBER 0007985	3 BOBBY CLOSE	NY LTANKS	Higher	2034, 0.385, WSW
S71	PVT DWELLING	36 CENTURY TRAIL	NY LTANKS	Lower	2043, 0.387, East
R72	SPILL NUMBER 0012648	21 FAIRWAY DR	NY LTANKS	Higher	2046, 0.387, WSW
R73	MENDELSON RESIDENCE	14 FAIRWAY DRIVE	NY LTANKS	Higher	2049, 0.388, WSW
R74	ABRAHAM RESIDENCE	4 BOBBY CLOSE	NY LTANKS	Higher	2070, 0.392, WSW
75	GOLDSTEIN HOME	6 PALMA DRIVE	NY LTANKS	Lower	2088, 0.395, ESE
76	MERVINE RESIDENCE	18 BRAXMAR DRIVE SOU	NY LTANKS	Lower	2101, 0.398, SSE
Q77	TTF	26 STONEWALL LANE	NY LTANKS	Higher	2120, 0.402, WSW
78	RESIDENCE	210 UNION AVE	NY LTANKS	Higher	2136, 0.405, ENE

MAPPED SITES SUMMARY

Target Property Address:
500 MAMARONECK AVE
HARRISON, NY 10528

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	FIELDS RESIDENCE	28 STONEWALL LANE	NY LTANKS	Higher	2184, 0.414, West
80	GEISMAR - SEIDEN RES	87 WINFIELD AVE	NY LTANKS	Lower	2205, 0.418, SSE
R81	SPILL NUMBER 0201855	12 FAIRWAY DRIVE	NY LTANKS	Higher	2206, 0.418, WSW
S82	CHESKIS RESIDENCE	34 CENTURY TRAIL	NY LTANKS, NY Spills	Lower	2218, 0.420, East
83	ALBILIA RESIDENCE	37 ROLLING HILLS LAN	NY LTANKS	Lower	2227, 0.422, ESE
S84	QUITTEL / REAL ESTAT	35 CENTURY TRAIL	NY LTANKS	Lower	2228, 0.422, East
85	RESIDENTIAL - TTF	5 CENTURY TRAIL	NY LTANKS	Higher	2275, 0.431, ENE
86	NYS DOT	PURDY AVE	NY LTANKS	Lower	2275, 0.431, North
T87	SPILL NUMBER 0110714	9 FAIRWAY DRIVE	NY LTANKS	Higher	2403, 0.455, WSW
88	MENTA RESIDENCE	15 STONEWALL LANE	NY LTANKS	Higher	2418, 0.458, WSW
T89	MRS MALCOLM	3 BARNWALL LANE	NY LTANKS, NY Spills	Higher	2427, 0.460, WSW
90	RESIDENCE	395 WEST ST	NY LTANKS	Lower	2496, 0.473, SE
91	FELLER - TTF	189 UNION AVE	NY LTANKS	Higher	2525, 0.478, ENE
U92	BRENNAN RESIDENCE	30 DORIS LANE	NY LTANKS	Higher	2530, 0.479, SW
93	WHITE PLAINS MAINTEN	51 PURDY AVE	NY LTANKS, NY Spills, NY SPDES	Lower	2537, 0.480, NNW
94	FRANCO RESIDENCE	1 LOVE LANE	NY LTANKS	Lower	2539, 0.481, NNE
U95	PRAVADA RESIDENCE	29 DORIS LANE	NY LTANKS	Higher	2573, 0.487, SW
U96	TTF W/ CONTAMIN	16 DORIS LANE	NY LTANKS	Higher	2573, 0.487, SW
U97	RESIDENTIAL TTF	12 DORIS LANE	NY LTANKS	Higher	2580, 0.489, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
500 MAMARONECK AVE. 500 MAMARONECK AVE. HARRISON, NY 10528	NY COOLING TOWERS	N/A
B2E BIOTECH LLC 500 MAMARONECK AVENU HARRISON, NY 10528	SSTS Registration Number:: 075318-NY-001	N/A
HARTZ B2E 500 MAMARONECK AVE HARRISON, NY 10528	FINDS Registry ID:: 110015741900	N/A
HARTZ-B2E LLC 500 MAMARONECK AVENU HARRISON, NY 10528	SSTS Registration Number:: 074032-NY-001	N/A
EMPIRE STATE REALTY 500 MAMARONECK AVENU HARRISON, NY 10528	NY UST Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021 Status: 1. In-Service Id/Status:: 3-466042 Site Status: Active	N/A
500 MAMARONECK AVENU 500 MAMARONECK AVENU HARRISON, NY 10528	NY ENG CONTROLS Site Code: 58831 NY INST CONTROL Site Code: 58831 NY VCP Database: VCP, Date of Government Version: 05/10/2021 Site Code: 58831 NY BROWNFIELDS Site Code: 58430 NY Spills Spill Number/Closed Date: 9708600 / 1997-10-23 Site ID: 118813 Spill Date: 1997-10-22	N/A
B2E CORP 500 MAMARONECK AVE HARRISON, NY 10528	SSTS Registration Number:: 069554NY001	N/A

EXECUTIVE SUMMARY

Registration Number:: 069554-NY-001

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

NY SHWS..... Inactive Hazardous Waste Disposal Sites in New York State

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF..... Facility Register

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS..... Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
NY CBS UST..... Chemical Bulk Storage Database
NY MOSF UST..... Major Oil Storage Facilities Database
NY CBS..... Chemical Bulk Storage Site Listing
NY MOSF..... Major Oil Storage Facility Site Listing
NY CBS AST..... Chemical Bulk Storage Database
NY MOSF AST..... Major Oil Storage Facilities Database
INDIAN UST..... Underground Storage Tanks on Indian Land
NY TANKS..... Storage Tank Faciliy Listing

State and tribal institutional control / engineering control registries

NY RES DECL..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWRCY..... Registered Recycling Facility List
NY SWTIRE..... Registered Waste Tire Storage & Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

NY DEL SHWS ..... Delisted Registry Sites
US CDL ..... National Clandestine Laboratory Register
NY PFAS ..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

NY HIST UST ..... Historical Petroleum Bulk Storage Database
NY HIST AST ..... Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ..... Spill Liens Information
LIENS 2 ..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS ..... Formerly Used Defense Sites
DOD ..... Department of Defense Sites
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List
TSCA ..... Toxic Substances Control Act
TRIS ..... Toxic Chemical Release Inventory System
ROD ..... Records Of Decision
RMP ..... Risk Management Plans
RAATS ..... RCRA Administrative Action Tracking System
PRP ..... Potentially Responsible Parties
PADS ..... PCB Activity Database System
ICIS ..... Integrated Compliance Information System
MLTS ..... Material Licensing Tracking System
COAL ASH DOE ..... Steam-Electric Plant Operation Data
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ..... PCB Transformer Registration Database
RADINFO ..... Radiation Information Database
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ..... Incident and Accident Data
CONSENT ..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV ..... Indian Reservations
FUSRAP ..... Formerly Utilized Sites Remedial Action Program
UMTRA ..... Uranium Mill Tailings Sites
LEAD SMELTERS ..... Lead Smelter Sites
US AIRS ..... Aerometric Information Retrieval System Facility Subsystem
US MINES ..... Mines Master Index File
ABANDONED MINES ..... Abandoned Mines
DOCKET HWC ..... Hazardous Waste Compliance Docket Listing
UXO ..... Unexploded Ordnance Sites
FUELS PROGRAM ..... EPA Fuels Program Registered Listing

EXECUTIVE SUMMARY

NY AIRS ..... Air Emissions Data
NY COAL ASH ..... Coal Ash Disposal Site Listing
NY DRYCLEANERS ..... Registered Drycleaners
NY E DESIGNATION ..... E DESIGNATION SITE LISTING
NY Financial Assurance ..... Financial Assurance Information Listing
NY HSWDS ..... Hazardous Substance Waste Disposal Site Inventory
NY VAPOR REOPENED ..... Vapor Intrusion Legacy Site List
NY UIC ..... Underground Injection Control Wells
NY LEAD ..... Lead-based Paint Testing Results
MINES MRDS ..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS ..... Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF ..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1

RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - HARRISO EPA ID:: NYR000149716	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F41***	***91***

RCRA-VSQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/22/2021 has revealed that there are 3 RCRA-VSQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROADWAY REAL ESTATE EPA ID:: NY0000878637	***550 MAMARONECK AVE***	***WNW 0 - 1/8 (0.003 mi.)***	***B9***	***25***
HARRISON CSD - HARRI EPA ID:: NYR000076356	***255 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F37***	***75***
BROADWAY REAL ESTATE EPA ID:: NY0000878652	***600 MAMARONECK AVE***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J43***	***100***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 02/09/2021 has revealed that there are 49 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RUBIN - TTF Spill Number/Closed Date: 1405584 / 2014-12-22 Site ID: 499017 Spill Date: 2014-08-21	244 UNION AVE	NNE 0 - 1/8 (0.093 mi.)	E29	66
LOMBARDI RESIDENCE Spill Number/Closed Date: 0602291 / 2006-07-30 Site ID: 364733 Spill Date: 2006-05-31	599 WEST STREET	E 0 - 1/8 (0.097 mi.)	G32	70
MARSHALL RESIDENCE Spill Number/Closed Date: 9904481 / 1999-09-02 Site ID: 139302 Spill Date: 1999-07-15	585 WEST ST	E 0 - 1/8 (0.104 mi.)	H34	71
PRIVATE DWELLING	607 WEST STREET	E 0 - 1/8 (0.106 mi.)	G35	72

Spill Number/Closed Date: 0710639 / 2008-04-21 Site ID: 391965 Spill Date: 2008-01-08				
REAL ESTATE - TTF Spill Number/Closed Date: 1505635 / Not Reported Site ID: 513013 Spill Date: 2015-08-25	228 UNION AVE	NE 1/8 - 1/4 (0.168 mi.)	I49	117
RESIDENCE Spill Number/Closed Date: 0009722 / 2005-04-10 Site ID: 143793 Spill Date: 2000-11-24	226 UNION AVE	NE 1/8 - 1/4 (0.189 mi.)	M53	125
LAZARUS Spill Number/Closed Date: 9808846 / 1998-11-04 Site ID: 186305 Spill Date: 1998-10-15	627 WEST ST	ENE 1/8 - 1/4 (0.200 mi.)	54	127
RESIDENCE Spill Number/Closed Date: 9615054 / 1997-11-10 Site ID: 292969 Spill Date: 1997-03-31	***23 ROLLING HILLS LAN***	***E 1/8 - 1/4 (0.244 mi.)***	***O61***	***147***
LOWENTHAL RESIDENCE Spill Number/Closed Date: 0304298 / 2003-11-18 Site ID: 278541 Spill Date: 2003-07-23	222 UNION AVE	NE 1/4 - 1/2 (0.266 mi.)	62	149
POLE 16 Spill Number/Closed Date: 0306739 / 2003-12-01 Site ID: 208637 Spill Date: 2003-09-25	***45 CENTURY TRAIL RD***	***ESE 1/4 - 1/2 (0.271 mi.)***	***63***	***150***
BOHN - TTF (POOL TAN Spill Number/Closed Date: 1509092 / 2016-12-12 Site ID: 517697 Spill Date: 2015-12-07	225 UNION AVE	ENE 1/4 - 1/2 (0.338 mi.)	P65	154
BINDER - TTF Spill Number/Closed Date: 0100024 / 2001-06-19 Spill Number/Closed Date: 1100743 / 2016-12-12 Site ID: 227125 Site ID: 448171 Spill Date: 2001-04-02 Spill Date: 2011-04-14	225 UNION AVE	ENE 1/4 - 1/2 (0.338 mi.)	P66	155
SPILL NUMBER 0302418 Spill Number/Closed Date: 0302418 / 2003-10-23 Site ID: 86870 Spill Date: 2003-06-06	***30 STONEWALL LANE***	***W 1/4 - 1/2 (0.362 mi.)***	***Q67***	***158***
SPILL NUMBER 0310047 Spill Number/Closed Date: 0310047 / 2004-09-09 Site ID: 331462 Spill Date: 2003-11-26	25 STONEWALL LANE	WSW 1/4 - 1/2 (0.363 mi.)	Q68	161
16 FAIRWAY DRIVE Spill Number/Closed Date: 0207106 / 2003-02-19 Site ID: 325410 Spill Date: 2002-10-09	16 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.385 mi.)	R69	162
SPILL NUMBER 0007985	3 BOBBY CLOSE	WSW 1/4 - 1/2 (0.385 mi.)	R70	163

Spill Number/Closed Date: 0007985 / 2001-01-23 Site ID: 193628 Spill Date: 2000-10-06				
SPILL NUMBER 0012648 Spill Number/Closed Date: 0012648 / 2001-06-26 Site ID: 222362 Spill Date: 2001-02-27	21 FAIRWAY DR	WSW 1/4 - 1/2 (0.387 mi.)	R72	165
MENDELSON RESIDENCE Spill Number/Closed Date: 9011575 / 1991-02-06 Site ID: 307297 Spill Date: 1991-02-04	14 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.388 mi.)	R73	166
ABRAHAM RESIDENCE Spill Number/Closed Date: 0607824 / 2007-03-23 Site ID: 371644 Spill Date: 2006-10-10	4 BOBBY CLOSE	WSW 1/4 - 1/2 (0.392 mi.)	R74	168
TTF Spill Number/Closed Date: 1304672 / 2013-11-19 Site ID: 485206 Spill Date: 2013-07-29	26 STONEWALL LANE	WSW 1/4 - 1/2 (0.402 mi.)	Q77	171
RESIDENCE Spill Number/Closed Date: 0000678 / 2000-07-27 Site ID: 117298 Spill Date: 2000-04-17	210 UNION AVE	ENE 1/4 - 1/2 (0.405 mi.)	78	172
FIELDS RESIDENCE Spill Number/Closed Date: 0307225 / 2004-02-02 Site ID: 146551 Spill Date: 2003-10-09	28 STONEWALL LANE	W 1/4 - 1/2 (0.414 mi.)	79	174
SPILL NUMBER 0201855 Spill Number/Closed Date: 0201855 / 2003-01-28 Site ID: 227808 Spill Date: 2002-05-20	12 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.418 mi.)	R81	176
RESIDENTIAL - TTF Spill Number/Closed Date: 1603305 / 2016-08-16 Site ID: 529759 Spill Date: 2016-07-06	5 CENTURY TRAIL	ENE 1/4 - 1/2 (0.431 mi.)	85	182
SPILL NUMBER 0110714 Spill Number/Closed Date: 0110714 / 2002-02-27 Site ID: 150910 Spill Date: 2002-02-08	9 FAIRWAY DRIVE	WSW 1/4 - 1/2 (0.455 mi.)	T87	186
MENTA RESIDENCE Spill Number/Closed Date: 0800586 / 2008-05-28 Site ID: 396362 Spill Date: 2008-04-15	15 STONEWALL LANE	WSW 1/4 - 1/2 (0.458 mi.)	88	187
MRS MALCOLM Spill Number/Closed Date: 1100709 / 2011-06-07 Site ID: 448126 Spill Date: 2011-04-20	***3 BARNWALL LANE***	***WSW 1/4 - 1/2 (0.460 mi.)***	***T89***	***189***
FELLER - TTF Spill Number/Closed Date: 1512409 / 2016-08-01 Site ID: 525225 Spill Date: 2016-03-30	189 UNION AVE	ENE 1/4 - 1/2 (0.478 mi.)	91	194
BRENNAN RESIDENCE	30 DORIS LANE	SW 1/4 - 1/2 (0.479 mi.)	U92	195

Spill Number/Closed Date: 0509566 / 2006-02-07
Site ID: 355360
Spill Date: 2005-11-09

PRAVADA RESIDENCE Spill Number/Closed Date: 9903093 / 1999-07-27 Spill Number/Closed Date: 9902790 / 1999-07-27 Site ID: 302911 Site ID: 264066 Spill Date: 1999-06-03 Spill Date: 1999-06-10	29 DORIS LANE	SW 1/4 - 1/2 (0.487 mi.)	U95	202
TTF W/ CONTAMIN Spill Number/Closed Date: 0609513 / 2015-08-20 Site ID: 373827 Spill Date: 2006-11-17	16 DORIS LANE	SW 1/4 - 1/2 (0.487 mi.)	U96	205
RESIDENTIAL TTF Spill Number/Closed Date: 0208288 / 2012-08-13 Site ID: 151156 Spill Date: 2002-11-11	12 DORIS LANE	SW 1/4 - 1/2 (0.489 mi.)	U97	206

Lower Elevation	Address	Direction / Distance	Map ID	Page
SUEANN MILES Spill Number/Closed Date: 0002062 / 2000-10-16 Site ID: 77533 Spill Date: 2000-05-18	25 WINDFIELD	ENE 0 - 1/8 (0.035 mi.)	14	38
RESIDENCE Spill Number/Closed Date: 9812181 / 1999-02-18 Site ID: 199055 Spill Date: 1998-12-31	19 WINFIELD AVE	E 0 - 1/8 (0.093 mi.)	27	63
MENDIK REALITY Spill Number/Closed Date: 0109357 / 2002-04-26 Site ID: 135729 Spill Date: 2001-12-21	***600 MAMARONECK AVE -***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J44***	***106***
SPILL NUMBER 9908460 Spill Number/Closed Date: 9908460 / 2000-01-25 Site ID: 225239 Spill Date: 1999-10-11	49 WINDFIELD RD	SE 1/8 - 1/4 (0.173 mi.)	L50	118
BROWN RESIDENCE Spill Number/Closed Date: 9815233 / 1999-07-16 Site ID: 119554 Spill Date: 1999-03-23	53 WINFIELD AVE	SE 1/8 - 1/4 (0.204 mi.)	L55	128
ZUCKER Spill Number/Closed Date: 9614522 / 1998-09-28 Site ID: 99511 Spill Date: 1997-03-17	11 CRICKLEWOOD LA	SE 1/4 - 1/2 (0.295 mi.)	64	152
PVT DWELLING Spill Number/Closed Date: 1102592 / 2011-08-22 Site ID: 450111 Spill Date: 2011-06-07	36 CENTURY TRAIL	E 1/4 - 1/2 (0.387 mi.)	S71	164
GOLDSTEIN HOME Spill Number/Closed Date: 0503666 / 2005-09-11	6 PALMA DRIVE	ESE 1/4 - 1/2 (0.395 mi.)	75	169

Site ID: 348298 Spill Date: 2005-06-27				
MERVINE RESIDENCE Spill Number/Closed Date: 0306683 / 2004-02-02 Site ID: 178255 Spill Date: 2003-09-24	18 BRAXMAR DRIVE SOU	SSE 1/4 - 1/2 (0.398 mi.)	76	170
GEISMAR - SEIDEN RES Spill Number/Closed Date: 1200715 / 2012-06-15 Site ID: 463368 Spill Date: 2012-04-23	87 WINFIELD AVE	SSE 1/4 - 1/2 (0.418 mi.)	80	175
CHESKIS RESIDENCE Spill Number/Closed Date: 1201343 / 2012-12-12 Site ID: 464037 Spill Date: 2012-05-10	***34 CENTURY TRAIL***	***E 1/4 - 1/2 (0.420 mi.)***	***S82***	***177***
ALBILIA RESIDENCE Spill Number/Closed Date: 1000212 / 2010-09-03 Site ID: 431373 Spill Date: 2010-04-06	37 ROLLING HILLS LAN	ESE 1/4 - 1/2 (0.422 mi.)	83	179
QUITTEL / REAL ESTAT Spill Number/Closed Date: 1510698 / 2016-03-22 Site ID: 522394 Spill Date: 2016-02-03	35 CENTURY TRAIL	E 1/4 - 1/2 (0.422 mi.)	S84	180
NYS DOT Spill Number/Closed Date: 9309143 / 1994-03-14 Spill Number/Closed Date: 8801770 / 1989-01-24 Site ID: 297450 Site ID: 201435 Spill Date: 1993-10-28 Spill Date: 1988-05-26	PURDY AVE	N 1/4 - 1/2 (0.431 mi.)	86	183
RESIDENCE Spill Number/Closed Date: 0111356 / 2005-02-02 Spill Number/Closed Date: 0109451 / 2003-09-04 Spill Number/Closed Date: 0410165 / 2005-05-03 Site ID: 259700 Site ID: 259699 Site ID: 335038 Spill Date: 2002-02-28 Spill Date: 2001-12-26 Spill Date: 2004-12-13	395 WEST ST	SE 1/4 - 1/2 (0.473 mi.)	90	191
WHITE PLAINS MAINTEN Spill Number/Closed Date: 9613122 / 1998-05-26 Site ID: 323325 Spill Date: 1997-02-05	***51 PURDY AVE***	***NNW 1/4 - 1/2 (0.480 mi.)***	***93***	***196***
FRANCO RESIDENCE Spill Number/Closed Date: 0814150 / 2009-05-06 Site ID: 411879 Spill Date: 2009-03-31	1 LOVE LANE	NNE 1/4 - 1/2 (0.481 mi.)	94	201

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 3 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SCHUENKE RESIDENCE	580 WEST STREET	E 0 - 1/8 (0.099 mi.)	H33	71
Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021				
HARRISON HIGH SCHOOL	255 UNION AVENUE	NE 1/8 - 1/4 (0.165 mi.)	I48	117
Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021				

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAXON WOODS CORPORAT	550 - 600 MAMARONECK	WNW 0 - 1/8 (0.003 mi.)	B10	32
Database: WESTCHESTER CO. UST, Date of Government Version: 02/09/2021				
Status: 4. Closed - in place				
Status: 1. In-Service				
Id/Status:: 3-600073				
Site Status: Active				

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there is 1 NY AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
450 MAMARONECK AVENU	450 MAMARONECK AVENU	SSW 1/8 - 1/4 (0.155 mi.)	K47	116
Database: WESTCHESTER CO. AST, Date of Government Version: 02/09/2021				
Status: 1. In-Service				
PBS Number: 3-496855				

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 02/09/2021 has revealed that there are 11 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NEWMAN - AST	598 WEST STREET	E 0 - 1/8 (0.093 mi.)	G28	65

Spill Number/Closed Date: 2008906 / Not Reported
Site ID: 615872
Spill Date: 2021-01-21

MCSORELY HOME	236 UNION AVE	NE 0 - 1/8 (0.095 mi.)	E30	67

Spill Number/Closed Date: 0612679 / 2008-01-14
Site ID: 377576
Spill Date: 2007-02-22

STELLA RESIDENCE	252 UNION AVE	NNE 0 - 1/8 (0.096 mi.)	F31	69

Spill Number/Closed Date: 0409812 / 2005-04-02
Site ID: 334621
Spill Date: 2004-12-02

ADLER - UST	232 UNION AVE	NE 0 - 1/8 (0.125 mi.)	I42	99

Spill Number/Closed Date: 1706731 / 2017-12-06
Site ID: 561054
Spill Date: 2017-10-11

Lower Elevation	Address	Direction / Distance	Map ID	Page
ON THE ROADWAY	550 MAMARONECK AVE	WNW 0 - 1/8 (0.003 mi.)	B8	24

Spill Number/Closed Date: 1602312 / 2016-06-07
Site ID: 528713
Spill Date: 2016-06-06

CLUNE PC - 550 UST	480 MAMARONECK AVE	SW 0 - 1/8 (0.010 mi.)	C11	34

Spill Number/Closed Date: 1404645 / 2015-07-27
Site ID: 498046
Spill Date: 2014-07-30

CLUNE PC - 1 K UST	480 MAMARONECK AVE	SW 0 - 1/8 (0.010 mi.)	C12	35

Spill Number/Closed Date: 1404646 / 2015-07-27
Site ID: 498047
Spill Date: 2014-07-30

RESIDENCE	41 WINDFIELD AVE	ESE 0 - 1/8 (0.011 mi.)	13	37

Spill Number/Closed Date: 9609740 / 1997-01-10
Site ID: 143968
Spill Date: 1996-11-04

CON ED HARRISON SUBS	295 UNION AVE	N 0 - 1/8 (0.115 mi.)	F36	74

Spill Number/Closed Date: 1400415 / 2014-11-10
Site ID: 493652
Spill Date: 2014-04-12

HARRISON HIGH SCHOOL	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F38***	***78***

Spill Number/Closed Date: 0600629 / 2006-04-21
Spill Number/Closed Date: 0607227 / 2006-10-02
Spill Number/Closed Date: 0108801 / 2001-12-19
Spill Number/Closed Date: 9809455 / 2004-10-22
Spill Number/Closed Date: 0002288 / 2000-05-24
**Additional key fields are available in the Map Findings section*
Site ID: 362682
Site ID: 370757
Site ID: 93952
Site ID: 93953
Site ID: 93950
**Additional key fields are available in the Map Findings section*
Spill Date: 2006-04-17

Spill Date: 2006-09-22
Spill Date: 2001-12-04
Spill Date: 1998-10-28
Spill Date: 2000-05-24
**Additional key fields are available in the Map Findings section*

CON ED SUB STATION Spill Number/Closed Date: 1114339 / 2014-02-21 Site ID: 462393 Spill Date: 2012-03-26	295 UNION ED	N 0 - 1/8 (0.115 mi.)	F39	90

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/22/2021 has revealed that there are 12 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID:: NYP004814469	***270 UNION AVE FRONT***	***N 0 - 1/8 (0.088 mi.)***	***F21***	***54***
CON EDISON EPA ID:: NYP004814477	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F22	57
CON EDISON EPA ID:: NYP004204442	***9 WINFIELD AVE***	***ENE 1/8 - 1/4 (0.147 mi.)***	***45***	***109***
CON EDISON POLE: W44 EPA ID:: NYP004279253	***50 WEST ST & CENTURY***	***ESE 1/8 - 1/4 (0.182 mi.)***	***51***	***119***
HARRISON CENTRAL SCH EPA ID:: NYR000029132	***UNION AVE & WEST ST***	***NE 1/8 - 1/4 (0.223 mi.)***	***M58***	***135***
CON EDISON VAULT: 17 EPA ID:: NYP004390159	***WEST ST & UNION AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***M59***	***140***
CON EDISON EPA ID:: NYP004211777	***23 ROLLING HILLS LN***	***E 1/8 - 1/4 (0.244 mi.)***	***O60***	***143***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID:: NYP004210241	***550 MAMARONECK AVE &***	***NNW 0 - 1/8 (0.055 mi.)***	***15***	***39***
NYSDOT BIN 5523361 EPA ID:: NYD987019460	RTE 907 W OVER MAMAR	NW 0 - 1/8 (0.069 mi.)	16	44
CON EDISON EPA ID:: NYP004794087	***7 GLEN DR***	***SE 0 - 1/8 (0.076 mi.)***	***D17***	***47***
CON ED - V 5471 EPA ID:: NYP004005914	***450 MAMARONECK AVE /***	***SSW 1/8 - 1/4 (0.155 mi.)***	***K46***	***112***
CON EDISON	***UNION AVE & MAMARONE***	***NNW 1/8 - 1/4 (0.217 mi.)***	***N56***	***129***

EXECUTIVE SUMMARY

EPA ID:: NYP004210449

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2019 has revealed that there are 17 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID: NYP004658878	240 UNION AV	NNE 0 - 1/8 (0.087 mi.)	E20	53
CON EDISON EPA ID: NYP004814469	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F25	61
CON EDISON EPA ID: NYP004204442	***9 WINFIELD AVE***	***ENE 1/8 - 1/4 (0.147 mi.)***	***45***	***109***
CON EDISON POLE: W44 EPA ID: NYP004279253	***50 WEST ST & CENTURY***	***ESE 1/8 - 1/4 (0.182 mi.)***	***51***	***119***
CON EDISON EPA ID: NYP004658662	226 UNION AV WEST ST	NE 1/8 - 1/4 (0.189 mi.)	M52	124
HARRISON CENTRAL SCH EPA ID: NYR000029132	***UNION AVE & WEST ST***	***NE 1/8 - 1/4 (0.223 mi.)***	***M58***	***135***
CON EDISON VAULT: 17 EPA ID: NYP004390159	***WEST ST & UNION AVE***	***NE 1/8 - 1/4 (0.226 mi.)***	***M59***	***140***
CON EDISON EPA ID: NYP004211777	***23 ROLLING HILLS LN***	***E 1/8 - 1/4 (0.244 mi.)***	***O60***	***143***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROADWAY REAL ESTATE EPA ID: NY0000878637	***550 MAMARONECK AVE***	***WNW 0 - 1/8 (0.003 mi.)***	***B9***	***25***
CON EDISON EPA ID: NYP004210241	***550 MAMARONECK AVE &***	***NNW 0 - 1/8 (0.055 mi.)***	***15***	***39***
CON EDISON EPA ID: NYP004794087	7 GLEN DR	SE 0 - 1/8 (0.076 mi.)	D19	51
HARRISON HIGH SCHOOL EPA ID: NYR000076356	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F38***	***78***
CON EDISON - HARRISO EPA ID: NYR000149716	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F41***	***91***
MENDIK REALITY EPA ID: NY0000878652	***600 MAMARONECK AVE -***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J44***	***106***
CON ED - V 5471 EPA ID: NYP004005914	***450 MAMARONECK AVE /***	***SSW 1/8 - 1/4 (0.155 mi.)***	***K46***	***112***
CON EDISON EPA ID: NYP004210449	***UNION AVE & MAMARONE***	***NNW 1/8 - 1/4 (0.217 mi.)***	***N56***	***129***
CONSOLIDATED EDISON EPA ID: NYP004121463	MAMARONECK & UNION	NNW 1/8 - 1/4 (0.219 mi.)	N57	134

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 06/30/2018 has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON Generator EPA Id: NYP004814477	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F26	63

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON Generator EPA Id: NYP004210440	295 UNION AVE	N 0 - 1/8 (0.115 mi.)	F40	91

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2018 has revealed that there are 8 NJ MANIFEST sites within approximately 0.25 miles of the target property.

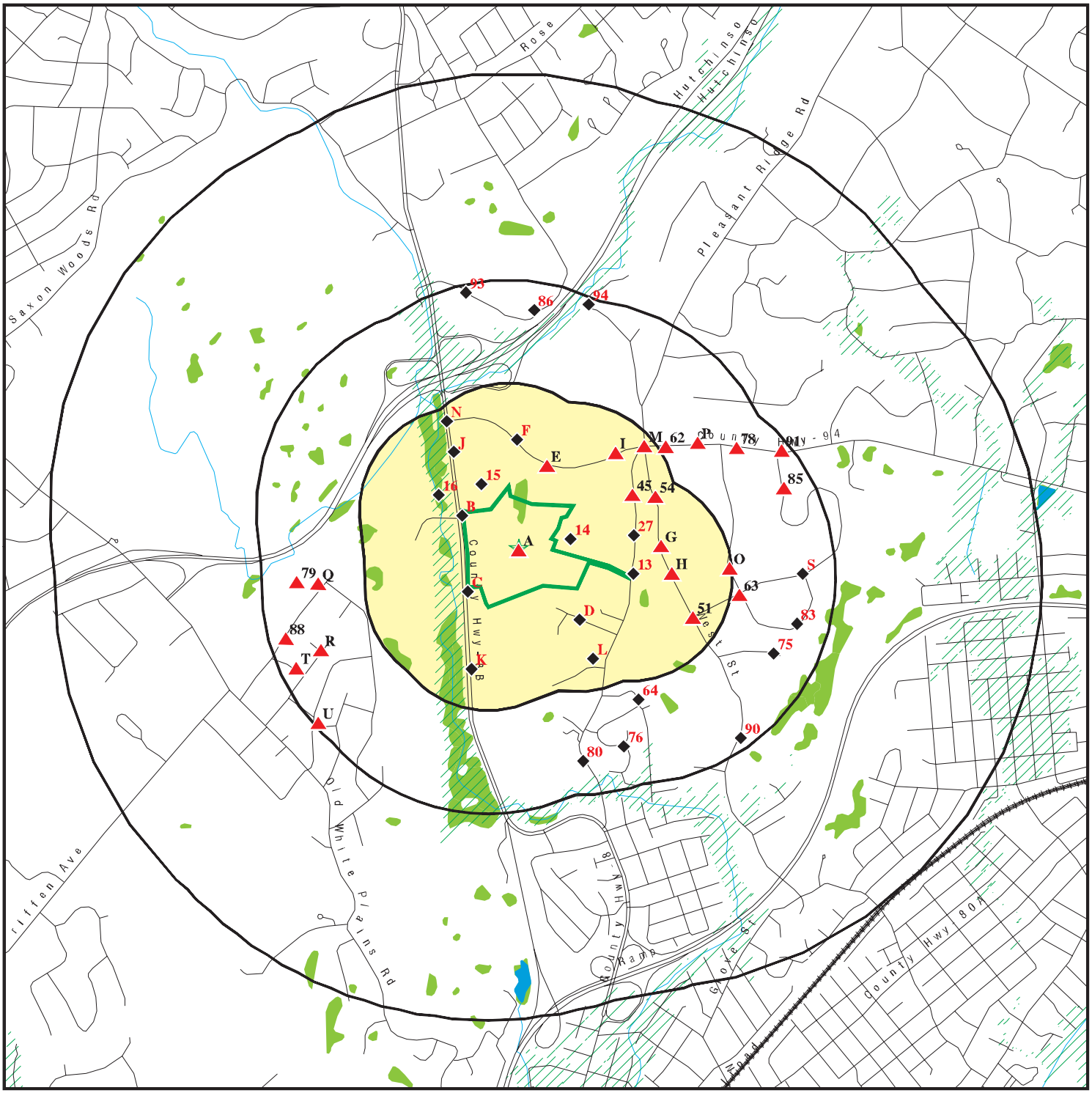
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA Id: NYP004814469	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F23	59
CON EDISON EPA Id: NYP004814477	270 UNION AVE FRONT	N 0 - 1/8 (0.088 mi.)	F24	60

Lower Elevation	Address	Direction / Distance	Map ID	Page
BROADWAY REAL ESTATE EPA Id: NY0000878637	***550 MAMARONECK AVE***	***WNW 0 - 1/8 (0.003 mi.)***	***B9***	***25***
CON EDISON EPA Id: NYP004210241	***550 MAMARONECK AVE &***	***NNW 0 - 1/8 (0.055 mi.)***	***15***	***39***
CON EDISON EPA Id: NYP004794087	7 GLEN DR	SE 0 - 1/8 (0.076 mi.)	D18	50
CON EDISON - HARRISO EPA Id: NYR000149716 EPA Id: NYR000076356	***295 UNION AVE***	***N 0 - 1/8 (0.115 mi.)***	***F41***	***91***
BROADWAY REAL ESTATE EPA Id: NY0000878652	***600 MAMARONECK AVE***	***NNW 1/8 - 1/4 (0.143 mi.)***	***J43***	***100***
CON EDISON EPA Id: NYP004210449	***UNION AVE & MAMARONE***	***NNW 1/8 - 1/4 (0.217 mi.)***	***N56***	***129***

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6602268.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 500 Mamaroneck Ave	CLIENT: Bergmann Associates
ADDRESS: 500 Mamaroneck Ave Harrison NY 10528	CONTACT: Skylar Francis
LAT/LONG: 40.977288 / 73.740565	INQUIRY #: 6602268.2s
	DATE: August 02, 2021 2:19 pm

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DETAIL MAP - 6602268.2S

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 500 Mamaroneck Ave	CLIENT: Bergmann Associates
ADDRESS: 500 Mamaroneck Ave Harrison NY 10528	CONTACT: Skylar Francis INQUIRY #: 6602268.2s
LAT/LONG: 40.977288 / 73.740565	DATE: August 02, 2021 2:21 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		2	1	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		6	7	36	NR	NR	49
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY UST	0.250	1	2	1	NR	NR	NR	4
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250		0	1	NR	NR	NR	1
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500	1	0	0	0	NR	NR	1
NY INST CONTROL	0.500	1	0	0	0	NR	NR	1
State and tribal voluntary cleanup sites								
NY VCP	0.500	1	0	0	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500	1	0	0	0	NR	NR	1
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
NY PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125	1	11	NR	NR	NR	NR	12
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		5	7	NR	NR	NR	12
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP	3	NR	NR	NR	NR	NR	3
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY MANIFEST	0.250		7	10	NR	NR	NR	17
PA MANIFEST	0.250		2	0	NR	NR	NR	2
NJ MANIFEST	0.250		6	2	NR	NR	NR	8
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NY COOLING TOWERS	TP	1	NR	NR	NR	NR	NR	1
NY LEAD	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NY RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		11	42	29	36	0	0	118

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
500 MAMARONECK AVE.
HARRISON, NY 10528

NY COOLING TOWERS **S121989467**
N/A

Site 1 of 7 in cluster A

Actual: 130 ft.

COOLING TOWERS:

Name:	Not reported
Address:	500 MAMARONECK AVE.
City,State,Zip:	HARRISON, NY 10528
Equipment Unique ID:	10813
Equipment Borough:	Not reported
Intended Use:	Air Conditioning
Manufacturer:	Marley/SPX
Model:	NC 8910
Cooling Capacity:	700
Cooling Capacity Unit:	Tonnage
Commissioned Date:	04/15/1986
Inspection Date:	10/05/2020
Date of Bacteriological Collection:	08/26/2020
Date of Legionella Collection:	10/06/2020
Last Legionella Result > 1,000 CFU/mL:	no
Latitude:	40.976956981
Longitude:	-73.742003997

A2
Target Property
B2E BIOTECH LLC
500 MAMARONECK AVENUE, STE 201
HARRISON, NY 10528

SSTS **1010569004**
N/A

Site 2 of 7 in cluster A

Actual: 130 ft.

SSTS:

Name:	B2E BIOTECH LLC
Address:	500 MAMARONECK AVENUE, STE 201
City,State,Zip:	HARRISON, NY 10528
Report Year:	2006
Registration Number:	075318-NY-001

Pre 2016:

Registration Number:	075318-NY-001
Name:	B2E BIOTECH LLC
Address:	500 MAMARONECK AVENUE, STE 201
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	B2E-01
Product Code:	Not reported
EPA Product Registration Number:	075318-00006
Product Type:	END-USE BLEND, FORMULATION, CONCENTRATE
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

B2E BIOTECH LLC (Continued) **1010569004**

Registration Number:	075318-NY-001
Name:	B2E BIOTECH LLC
Address:	500 MAMARONECK AVENUE, STE 201
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	B2E-7
Product Code:	Not reported
EPA Product Registration Number:	075318-00007
Product Type:	END-USE BLEND, FORMULATION, CONCENTRATE
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

A3 Target Property **HARTZ B2E** **FINDS** **1007123496**
500 MAMARONECK AVE **N/A**
HARRISON, NY 10528

Site 3 of 7 in cluster A

Actual: 130 ft.

FINDS:
Registry ID: 110015741900

Click Here:

Environmental Interest/Information System:
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

A4 Target Property **HARTZ-B2E LLC** **SSTS** **1010569687**
500 MAMARONECK AVENUE, STE 201 **N/A**
HARRISON, NY 10528

Site 4 of 7 in cluster A

Actual: 130 ft.

SSTS:

Name:	HARTZ-B2E LLC
Address:	500 MAMARONECK AVENUE, STE 201
City,State,Zip:	HARRISON, NY 10528
Report Year:	2006
Registration Number:	074032-NY-001

Pre 2016:

HARTZ-B2E LLC (Continued) **1010569687**

Registration Number:	074032-NY-001
Name:	HARTZ-B2E LLC
Address:	500 MAMARONECK AVENUE, STE 201
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	METHOPRENE TECH
Product Code:	Not reported
EPA Product Registration Number:	074032-00001
Product Type:	TECHNICAL MATERIAL OR ACTIVE INGREDIENT
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN & EXPORTED OUT UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

A5 Target Property **EMPIRE STATE REALTY TRUST** **NY UST** **U003968063**
500 MAMARONECK AVENUE **N/A**
HARRISON, NY 10528

Site 5 of 7 in cluster A

Actual: 130 ft.

WESTCHESTER CO. UST:

Name:	EMPIRE STATE REALTY TRUST
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Id/Status:	3-466042 / Active
Operator Name:	Norbert Ostaszewski
Owner Name:	Empire State Realty Trust
Owner Street:	111 West 33rd Street
Owner Address2:	Not reported
Owner City:	NY
Owner State:	NY
Owner Zipcode:	10120
GDS Number:	Not reported
Tank Number:	001
Status:	1. In-Service
Capacity:	20000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	0
Tank Leak Detection:	0. None
Date Installation:	12/01/1982
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	6. Fiberglass reinforced plastic (FRP)
Tank Internal Protection:	3. Fiberglass liner (FRP)
Tank External Protection:	4. Fiberglass
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on Ground
Piping Type:	2. Galvanized Steel

EMPIRE STATE REALTY TRUST (Continued) **U003968063**

Piping External Protection:	0. None
Overfill Prevention:	5. Vent Whistle
Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	3. Gravity

A6 Target Property | **500 MAMARONECK AVENUE**
500 MAMARONECK AVENUE
HARRISON, NY 10528

Site 6 of 7 in cluster A

NY ENG CONTROLS **S102962223**
NY INST CONTROL **N/A**
NY VCP
NY BROWNFIELDS
NY Spills

Actual: 130 ft.

ENG CONTROLS:

Name:	500 MAMARONECK AVENUE
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Site Code:	58831
HW Code:	V00213
Control Code:	15
Control Type:	ENG
Date Record Added:	04/23/2007
Date Rec Updated:	05/31/2019
Updated By:	WBBENNET
Site Description:	"Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem:	"Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants.

500 MAMARONECK AVENUE (Continued) **S102962223**

	Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem:	"Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Realty Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Reality Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
HW Code:	V00213
Waste Type:	Hazardous Substances
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	W3-0851-99-05(I
Cross Ref Type Code:	20
Cross Ref Type:	Haz. Substance ID
Record Added Date:	2000-11-30 16:07:00
Record Updated:	2005-02-24 15:54:00
Updated By:	VCPTRANS

500 MAMARONECK AVENUE (Continued) **S102962223**

INST CONTROL:

Name:	500 MAMARONECK AVENUE
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Site Code:	58831
Control Name:	Deed Restriction
HW Code:	V00213
Control Code:	A
Control Type:	INST
Dt record added:	04/23/2007
Dt rec updated:	05/31/2019
Updated By:	WBBENNET
Site Code:	58831
Site Description:	"Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem:	"Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem:	"Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."

500 MAMARONECK AVENUE (Continued) **S102962223**

Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: 6
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Realty Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Reality Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
HW Code: V00213
Waste Type: Hazardous Substances
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: W3-0851-99-05(I
Cross Ref Type Code: 20
Cross Ref Type: Haz. Substance ID
Record Added Date: 2000-11-30 16:07:00
Record Updated: 2005-02-24 15:54:00
Updated By: VCPTRANS

Name: 500 MAMARONECK AVENUE
Address: 500 MAMARONECK AVENUE
City,State,Zip: HARRISON, NY 10528
Site Code: 58831
Control Name: Soil Management Plan
HW Code: V00213
Control Code: 14
Control Type: INST
Dt record added: 04/23/2007
Dt rec updated: 05/31/2019

500 MAMARONECK AVENUE (Continued) **S102962223**

Updated By: WBBENNET
Site Code: 58831
Site Description: "Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem: "Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem: "Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."
Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported

500 MAMARONECK AVENUE (Continued) **S102962223**

Updated By: Not reported
Own Op: 6
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Realty Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
Own Op: 1
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Reality Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
HW Code: V00213
Waste Type: Hazardous Substances
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: W3-0851-99-05(I
Cross Ref Type Code: 20
Cross Ref Type: Haz. Substance ID
Record Added Date: 2000-11-30 16:07:00
Record Updated: 2005-02-24 15:54:00
Updated By: VCPTRANS

Name: 500 MAMARONECK AVENUE
Address: 500 MAMARONECK AVENUE
City,State,Zip: HARRISON, NY 10528
Site Code: 58831
Control Name: Ground Water Use Restriction
HW Code: V00213
Control Code: 08
Control Type: INST
Dt record added: 04/23/2007
Dt rec updated: 05/31/2019
Updated By: WBBENNET
Site Code: 58831
Site Description: "Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational

500 MAMARONECK AVENUE (Continued) **S102962223**

park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "

Env Problem: "Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "

Health Problem: "Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."

Dump: Not reported
Structure: Not reported
Lagoon: Not reported
Landfill: Not reported
Pond: Not reported
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: Not reported
Record Upd: Not reported
Updated By: Not reported
Own Op: 6
Sub Type: P03
Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Realty Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
Own Op: 1
Sub Type: P03

500 MAMARONECK AVENUE (Continued) **S102962223**

Owner Name: Carla L. Sanchez, RPA
Owner Company: Empire State Reality Trust, Inc.
Owner Address: Metro Center
Owner Addr2: One Station Place
Owner City,St,Zip: Stamford, CT 06902
Owner Country: United States of America
HW Code: V00213
Waste Type: Hazardous Substances
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: V00213
Waste Type: BENZO(A)PYRENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: W3-0851-99-05(I
Cross Ref Type Code: 20
Cross Ref Type: Haz. Substance ID
Record Added Date: 2000-11-30 16:07:00
Record Updated: 2005-02-24 15:54:00
Updated By: VCPTRANS

VCP:
Name: 500 MAMARONECK AVENUE
Address: 500 MAMARONECK AVENUE
City,State,Zip: HARRISON, NY 10528
Program Type: VCP
Site Code: 58831
HW Code: V00213
Site Class: C
SWIS: 6028
Region: 3
Town: Harrison
Acres: Not reported
Date Record Added: 11/30/2000
Date Record Updated: 08/10/2020
Updated By: KJCARPEN
Site Description: "Location: The 500 Mamaroneck Avenue site is located in a suburban portion of the Town of Harrison, Westchester County, New York. The site is about 1/4 miles south of Exit 23 on the Hutchinson River Parkway. Site Features: The site slopes down from east to west. About one quarter of the site is wooded and a seasonally wet area is located in the northeastern portion of the property. The surrounding parcels are currently used for a combination of commercial, residential, and transportation purposes. The site is bordered on the west by Mamaroneck Avenue and Saxon Woods Park (a county recreational park), on the east by a 15 acre wooded property, on the north by commercial properties, and on the south by residential properties. Current Zoning and Land Use: The site is zoned commercial. The site is an active office complex with one office building, parking lots and green space. Past Uses of the Site: The property was previously utilized as the site of the municipal incinerator and a transfer station for the Town of Harrison. Since 1986 the site has been a commercial office space. A Final Investigation/Site Assessment Report

500 MAMARONECK AVENUE (Continued) **S102962223**

	was completed in June 2002 and a Remedial Action Work Plan (RAWP) followed in March 2003. An Amended RAWP was approved in May 2005. The amended RAWP called for no further action. A deed restriction was filed in 2006 and a Site Management Plan was approved. A final engineering report was approved in April 2007. The site in now in Site Management. Operable Units: There is one operable unit for this site. Site Geology: The site bedrock is reported as the Harrison Gniess. Bedrock outcrops are noted in the easterns and southern portion of the property. Shallow groundwater flows west toward the Mamaroneck River 200 feet west of the site. "
Env Problem:	"Nature and extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were metals and polycyclic aromatic hydrocarbons present in shallow soils and in a berm along the southern portion of the property. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Residual contamination in the soil is being managed under a Site Management Plan and deed restriction that maintains vegetative cover to prevent exposure to site contaminants. Special Resources: The Mamaroneck River is located 200 feet west of the site. The investigations indicate that the site does not impact the river. "
Health Problem:	"Lead and polycyclic aromatic hydrocarbons (PAHs) are present in on-site soils. The two areas where contamination is present are covered by pavement, grass or natural vegetation eliminating the potential for direct contact exposure. Access to these areas is not common and the January 2005 Remedial Action Work Plan calls for maintenance of the cover in these areas."
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Realty Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
Own Op:	1
Sub Type:	P03
Owner Name:	Carla L. Sanchez, RPA
Owner Company:	Empire State Reality Trust, Inc.
Owner Address:	Metro Center
Owner Addr2:	One Station Place
Owner City,St,Zip:	Stamford, CT 06902
Owner Country:	United States of America
HW Code:	V00213
Waste Type:	Hazardous Substances

500 MAMARONECK AVENUE (Continued) **S102962223**

Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	V00213
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	W3-0851-99-05(I
Cross Ref Type Code:	20
Cross Ref Type:	Haz. Substance ID
Record Added Date:	2000-11-30 16:07:00
Record Updated:	2005-02-24 15:54:00
Updated By:	VCPTRANS

BROWNFIELDS:

Name:	500 MAMARONECK AVENUE
Address:	500 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528-
Program:	BCP
Site Code:	58430
Acres:	34.500
HW Code:	C360063
SWIS:	6028
Town:	Harrison
Record Added Date:	03/03/2004
Record Updated Date:	02/15/2007
Update By:	KXCarpen
Site Description:	"BCP application denied. See site #V00213."
Env Problem:	""
Health Problem:	""
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	6
Sub Type:	ZZZ
Owner Name:	Not reported
Owner Company:	500 MAMARONECK AVENUE ASSOCIATES
Owner Address:	500 MAMARONECK AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	HARRISON, NY 10528
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported

500 MAMARONECK AVENUE (Continued) **S102962223**

Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

SPILLS:

Name:	IBM CORPORATION
Address:	500 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9708600 / 1997-10-23
Facility ID:	9708600
Facility Type:	ER
DER Facility ID:	103239
Site ID:	118813
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	1997-10-22
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1997-10-23
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-10-23
Spill Record Last Update:	1997-11-13
Spiller Name:	CALLER
Spiller Company:	IBM CORPORATION
Spiller Address:	500 MAMARONECK AVE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"leak in 60 ton chill water system. clean up crew on scene."

All Materials:

Site ID:	118813
Operable Unit ID:	1055093
Operable Unit:	01
Material ID:	330562
Material Code:	0028A
Material Name:	ethylene glycol
Case No.:	00107211
Material FA:	Hazardous Material
Quantity:	2.00
Units:	G
Recovered:	.00

500 MAMARONECK AVENUE (Continued) **S102962223**

Oxygenate: Not reported

A7 Target Property **B2E CORP**
500 MAMARONECK AVE
HARRISON, NY 10528

SSTS **1009303841**
N/A

Site 7 of 7 in cluster A

Actual: 130 ft.

SSTS:

Name:	B2E CORP
Address:	500 MAMARONECK AVE
City,State,Zip:	HARRISON, NY 10528
Report Year:	2006
Registration Number:	069554-NY-001

Pre 2016:

Registration Number:	069554-NY-001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	RST10
Product Code:	Not reported
EPA Product Registration Number:	069554-00003
Product Type:	TECHNICAL MATERIAL OR ACTIVE INGREDIENT
Product Classification:	OTHER PESTICIDES (SUCH AS DEET)
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	069554-NY-001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	RST10 CATTLE PREMIX
Product Code:	Not reported
EPA Product Registration Number:	069554-00004
Product Type:	TECHNICAL MATERIAL OR ACTIVE INGREDIENT
Product Classification:	INSECTICIDE
Product Use:	ALL OTHER PRODUCTS
Market Type:	MARKETED IN UNITED STATES
Product Unit of Measure:	Not reported
Region:	Not reported

B2E CORP (Continued) **1009303841**

Zero Production:	Not reported
RUP:	Not reported
Report Year:	2002
Registration Number:	069554NY001

Pre 2016:

Registration Number:	069554NY001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	R-ST 10
Product Code:	1
EPA Product Registration Number:	06955400003
Product Type:	1
Product Classification:	12
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	02
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	069554NY001
Name:	B2E CORP
Address:	500 MAMARONECK AVE
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	R-ST 10 CATTLE PREMIX
Product Code:	1
EPA Product Registration Number:	06955400004
Product Type:	2
Product Classification:	12
Product Use:	2
Market Type:	1
Product Unit of Measure:	Not reported
Region:	02
Zero Production:	Not reported
RUP:	Not reported

B8 WNW < 1/8 0.003 mi. 15 ft. | **ON THE ROADWAY 550 MAMARONECK AVE HARRISON, NY** | **NY Spills** | **S118705326 N/A**

Site 1 of 3 in cluster B

Relative: Lower

Actual: 54 ft.

SPILLS:

Name:	ON THE ROADWAY
Address:	550 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1602312 / 2016-06-07
Facility ID:	1602312
Facility Type:	ER
DER Facility ID:	482864
Site ID:	528713
DEC Region:	3
Spill Cause:	Traffic Accident
Spill Class:	D4
SWIS:	6028
Spill Date:	2016-06-06
Investigator:	DXTRAVER
Referred To:	Not reported
Reported to Dept:	2016-06-06
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	Not reported
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2016-06-06
Spill Record Last Update:	2016-06-07
Spiller Name:	Not reported
Spiller Company:	MOTOR VEHICLE ACCIDENT
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	FIRE CHIEF JOHN MASCIOLA
DEC Memo:	"Spoke to Chief Masciola who was on scene. Loss of 1-2 gals. of gasoline from MVA to pavement. Nearby drain not impacted but is trib. to City of White Plains reservoir. Boom placed around drain, but not impacted. FD cleaned up pavement. FD to remove booms tomorrow. NFA DT"
	Not reported
Remarks:	"Stream in Saxton Woods Park effected. Spill to the soil. Harrison FD on scen. clean up in progress."

All Materials:

Site ID:	528713
Operable Unit ID:	1277562
Operable Unit:	01
Material ID:	2282405
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported

ON THE ROADWAY (Continued) **S118705326**

Oxygenate:	Not reported
Site ID:	528713
Operable Unit ID:	1277562
Operable Unit:	01
Material ID:	2282406
Material Code:	0015
Material Name:	motor oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

B9 **BROADWAY REAL ESTATE SERVICES LLC** **RCRA-VSQG** **1004755932**
WNW **550 MAMARONECK AVE** **FINDS** **NY0000878637**
< 1/8 **HARRISON, NY 10528** **ECHO**
0.003 mi. **NJ MANIFEST**
15 ft. **Site 2 of 3 in cluster B** **NY MANIFEST**

Relative:
Lower

Actual:
54 ft.

RCRA-VSQG:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Handler Address:	550 MAMARONECK AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NY0000878637
Contact Name:	OZZIE G ROSA
Contact Address:	MAMARONECK AVE
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-774-8668
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	MAMARONECK AVE
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	MENDIK REALTY
Owner Type:	Private
Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	X001
Waste Description:	Not Defined

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	550 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	2001-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	550 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BROADWAY PARTNERS
Legal Status:	Private
Date Became Current:	2001-07-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	375 PARK AVE #2107
Owner/Operator City,State,Zip:	NEW YORK, NY 10152
Owner/Operator Telephone:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MENDIK REALTY
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 330 MADISON AVE
Owner/Operator City,State,Zip: NEW YORK, NY 10017
Owner/Operator Telephone: 212-557-1100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BROADWAY PARTNERS
Legal Status: Private
Date Became Current: 2001-07-03 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: 375 PARK AVE #2107
Owner/Operator City,State,Zip: NEW YORK, NY 10152
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2006-01-01 00:00:00.0
Handler Name: BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-01-01 00:00:00.0
Handler Name: BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1994-10-11 00:00:00.0
Handler Name: MENDIK REALTY - 550 MAMARONECK AVENUE

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2004-09-15 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110004320306

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004755932
Registry ID:	110004320306
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004320306
Name:	BROADWAY REAL ESTATE SERVICES LLC
Address:	550 MAMARONECK AVE

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

City,State,Zip: HARRISON, NY 10528

NJ MANIFEST:

EPA Id:	NY0000878637
Mail Address:	550 MAMARONECK AVENUE
Mail City/State/Zip:	HARRISON 10528
Facility Phone:	9146986571
Emergency Phone:	Not reported
Contact:	OZZIE ROSA
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5114508
EPA ID:	NY0000878637
Date Shipped:	10/22/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/22/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/27/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Manifest Discrepancy Type:	Not reported
Data Entry Number:	01120522
Was Load Rejected:	HARRISON 10528
Reason Load Was Rejected:	Not reported

NY MANIFEST:

Name:	MENDIK REALTY CO
Address:	550 MAMARONECK AVE - BASEMENT
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NY0000878637
Facility Status:	Not reported
Location Address 1:	550 MAMARONECK AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NY0000878637
Mailing Name:	MENDIK REALTY CO
Mailing Contact:	S GIANSANTE
Mailing Address 1:	330 MADISON AVE
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10017
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	0000000000

NY MANIFEST:

Document ID:	NJA5114508
Manifest Status:	Not reported
seq:	Not reported
Year:	2004
Trans1 State ID:	03217
Trans2 State ID:	Not reported
Generator Ship Date:	10/22/2004
Trans1 Recv Date:	10/22/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/27/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000878637
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755932**

Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00040
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00

B10 **SAXON WOODS CORPORATE CENTER** **NY UST** **U003885117**
WNW **550 - 600 MAMARONECK AVENUE** **N/A**
< 1/8 **HARRISON, NY 10528**
0.003 mi.
15 ft. **Site 3 of 3 in cluster B**

Relative:
Lower

Actual:
54 ft.

WESTCHESTER CO. UST:

Name:	SAXON WOODS CORPORATE CENTER
Address:	550 - 600 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
Id/Status:	3-600073 / Active
Operator Name:	Saxon Woods MOB, LLC
Owner Name:	Saxon Woods MOB, LLC
Owner Street:	425 Seventh Street, NE
Owner Address2:	Not reported
Owner City:	Charlottesville
Owner State:	VA
Owner Zipcode:	22902
GDS Number:	Not reported
Tank Number:	1
Status:	4. Closed - in place
Capacity:	15000
Product Stored:	Not reported

SAXON WOODS CORPORATE CENTER (Continued) **U003885117**

Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	01/01/1969
Date Perm Closure:	04/17/2002
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	Not reported
Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	2. Suction

Tank Number:	1 (550)
Status:	1. In-Service
Capacity:	8000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	1. Electronic Interstitial Monitoring
Date Installation:	04/01/2002
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	6. Fiberglass reinforced plastic (FRP)
Tank Internal Protection:	3. Fiberglass liner (FRP)
Tank External Protection:	4. Fiberglass
Tank Secondary Containment:	4. Double-Walled (underground only)
Piping Location:	2. Underground/on Ground
Piping Type:	6. Fiberglass Reinforced Plastic (FRP)
Piping External Protection:	4. Fiberglass
Overfill Prevention:	2. High Level Alarm,5. Vent Whistle
Piping Secondary Containment:	4. Double-Walled (underground only)
Spill Prevention:	1. Catch Basin
Dispenser:	2. Suction

Tank Number:	2
Status:	4. Closed - in place
Capacity:	15000
Product Stored:	Not reported
Product Stored Percent:	Not reported
Tank Leak Detection:	0. None
Date Installation:	01/01/1971
Date Perm Closure:	04/17/2002
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Secondary Containment:	0. None
Piping Location:	2. Underground/on ground
Piping Type:	1. Steel/Carbon/ steel/iron
Piping External Protection:	0. None
Overfill Prevention:	Not reported

SAXON WOODS CORPORATE CENTER (Continued) **U003885117**

Piping Secondary Containment:	Not reported
Spill Prevention:	Not reported
Dispenser:	2. Suction

Tank Number:	2 (600)
Status:	1. In-Service
Capacity:	8000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Tank Leak Detection:	1. Electronic Interstitial Monitoring
Date Installation:	04/01/2002
Date Perm Closure:	01/01/1900
Tank Location:	5. Underground including vaulted with no access for inspection
Tank Type:	6. Fiberglass reinforced plastic (FRP)
Tank Internal Protection:	3. Fiberglass liner (FRP)
Tank External Protection:	4. Fiberglass
Tank Secondary Containment:	4. Double-Walled (underground only)
Piping Location:	2. Underground/on Ground
Piping Type:	Not reported
Piping External Protection:	4. Fiberglass
Overfill Prevention:	2. High Level Alarm
Piping Secondary Containment:	4. Double-Walled (underground only)
Spill Prevention:	1. Catch Basin
Dispenser:	0. None

C11 **CLUNE PC - 550 UST** **NY Spills** **S117268987**
SW **480 MAMARONECK AVE** **N/A**
< 1/8 **HARRISON, NY**
0.010 mi.
53 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
55 ft.

SPILLS:

Name:	CLUNE PC - 550 UST
Address:	480 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1404645 / 2015-07-27
Facility ID:	1404645
Facility Type:	ER
DER Facility ID:	453044
Site ID:	498046
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	6028
Spill Date:	2014-07-30
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2014-07-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

CLUNE PC - 550 UST (Continued) **S117268987**

Remediation Phase:	0
Date Entered In Computer:	2014-07-30
Spill Record Last Update:	2015-07-27
Spiller Name:	PHIL
Spiller Company:	CLUNE, PC
Spiller Address:	480 MAMARONECK AVE
Spiller Company:	999
Contact Name:	PHIL
DEC Memo:	"7/30/14 - The tank has leaks and has been removed. Additional work is needed. THe facility has two tank with the total volume greater than 1,100 gal. Second tank has a Spill No. 14-04646. KAB 3/30/15: This is not a PBS regulated facilty. DEC Lead changed. Report from Performer Compliance will follow. jod 7/27/2015: Performer Compliance LLC Environmental disposed of the two (2) leaking USTs and a total of 25.09 tons of petroleum contaminated soil. Post excavation soil sample results submitted for review. Closure Report has been entered into DecDocs. Based upon information provided, no further action required at this time. jod"
Remarks:	"550 tank removal"

All Materials:

Site ID:	498046
Operable Unit ID:	1247498
Operable Unit:	01
Material ID:	2248785
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Site ID:	498046
Operable Unit ID:	1247498
Operable Unit:	01
Material ID:	2248786
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

C12 **CLUNE PC - 1 K UST** **NY Spills** **S117268988**
SW **480 MAMARONECK AVE** **N/A**
< 1/8 **HARRISON, NY**
0.010 mi.
53 ft. **Site 2 of 2 in cluster C**

Relative:
Lower

Actual:
55 ft.

SPILLS:

Name:	CLUNE PC - 1 K UST
Address:	480 MAMARONECK AVE
City,State,Zip:	HARRISON, NY

CLUNE PC - 1 K UST (Continued) **S117268988**

Spill Number/Closed Date:	1404646 / 2015-07-27
Facility ID:	1404646
Facility Type:	ER
DER Facility ID:	453044
Site ID:	498047
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	6028
Spill Date:	2014-07-30
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2014-07-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-07-30
Spill Record Last Update:	2015-07-27
Spiller Name:	PHIL
Spiller Company:	CLUNE, PC
Spiller Address:	AT 480 MAMARONECK AVE
Spiller Company:	999
Contact Name:	PHIL
DEC Memo:	"7/30/14 - The tank has leaks and has been removed. Additional work is needed. THe facility has two tank with the total volume greater than 1,100 gal. First tank has a Spill No. 14-04645. KAB 3/30/15: This is not a PBS regulated facilty. DEC Lead changed. Report from Performer Compliance will follow. jod 7/27/2015: Performer Compliance LLC Environmental disposed of the two (2) leaking USTs and a total of 25.09 tons of petroleum contaminated soil. Post excavation soil sample results submitted for review. Closure Report has been entered into DecDocs. Based upon information provided, no further action required at this time. jod"
Remarks:	"1K gallon tank removal, c/u pending"

All Materials:

Site ID:	498047
Operable Unit ID:	1247499
Operable Unit:	01
Material ID:	2248787
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

13 ESE < 1/8 0.011 mi. 60 ft. | **RESIDENCE**
41 WINDFIELD AVE
HARRISON, NY | **NY Spills** | **S102446930**
N/A

Relative: Lower

Actual: 98 ft.

SPILLS:

Name:	RESIDENCE
Address:	41 WINDFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9609740 / 1997-01-10
Facility ID:	9609740
Facility Type:	ER
DER Facility ID:	122746
Site ID:	143968
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B4
SWIS:	6028
Spill Date:	1996-11-04
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1996-11-05
CID:	205
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-11-05
Spill Record Last Update:	1997-05-07
Spiller Name:	HOWARD WEINTRAUB
Spiller Company:	Not reported
Spiller Address:	41 WINDFIELD AVE
Spiller Company:	001
Contact Name:	HOWARD WEINTRAUB
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 11/05/96 GLEN NADIN THAT 1 OR 1.5 GAL OF FUEL WAS IN THE SUMP PIT PRODUCT WAS REMOVED & SUMP PUMP SHUT OFF; HE WAS ADVISED TO EXCAVATE THE LINE AND REMOVE THE SOIL THAT HAS BEEN IMPACTED BY THE LEAK. "
Remarks:	"caller stated that they were called for a spill at residence. spill ocured fron bad line coming from tank, inside."

All Materials:

Site ID:	143968
Operable Unit ID:	1037682
Operable Unit:	01
Material ID:	341947
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	.00

RESIDENCE (Continued) **S102446930**

Oxygenate: Not reported

---

14 ENE < 1/8 0.035 mi. 185 ft. **SUEANN MILES 25 WINDFIELD HARRISON, NY** **NY LTANKS** **S104621624 N/A**

Relative: Lower

Actual: 128 ft.

LTANKS:

Name:	SUEANN MILES
Address:	25 WINDFIELD
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0002062 / 2000-10-16
Facility ID:	0002062
Site ID:	77533
Spill Date:	2000-05-18
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-05-18
CID:	204
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-18
Spill Record Last Update:	2000-11-21
Spiller Name:	WILSON HOFFNAGLE
Spiller Company:	25 WINDFIELD
Spiller Address:	25 WINDFIELD
Spiller County:	001
Spiller Contact:	WILSON HOFFNAGLE
Spiller Phone:	(914) 835-7535
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	72328
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/16/2000 NORTHEAST PULLED TANK. TANK WAS SOUND, NO RELEASE. NFA"
Remarks:	"TANK TEST FAILURE"

All TTF:

Facility ID:	0002062
Spill Number:	0002062
Spill Tank Test:	1525608
Site ID:	77533
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported

SUEANN MILES (Continued) **S104621624**

UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	77533
Operable Unit ID:	823993
Operable Unit:	01
Material ID:	550440
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

15
NNW
< 1/8
0.055 mi.
293 ft.

CON EDISON
550 MAMARONECK AVE & UNION AVE
HARRISON, NY 10528

RCRA NonGen / NLR **1014398668**
NY MANIFEST **NYP004210241**
NJ MANIFEST

Relative:
Lower

Actual:
74 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2020-04-13 00:00:00.0
Handler Name:	CON EDISON
Handler Address:	550 MAMARONECK AVE & UNION AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYP004210241
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported

CON EDISON (Continued) **1014398668**

Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-13 15:33:28.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

CON EDISON (Continued) **1014398668**

Historic Generators:

Receive Date:	2010-06-30 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-04-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	550 MAMARONECK AVE & UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004210241
Facility Status:	Not reported
Location Address 1:	MH9867 - F/O 550 MAMARONECK AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004210241

CON EDISON (Continued) **1014398668**

Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	THOMAS TEELING
Mailing Address 1:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/30/2010
Trans1 Recv Date:	06/30/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/02/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004210241
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	003533280JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	Y
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H111
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	75
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported

CON EDISON (Continued) **1014398668**

Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYP004210241
Mail Address:	4 IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	DENNIS MICHAELIDES
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	003533280JJK
EPA ID:	NYP004210241
Date Shipped:	06/30/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/30/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/02/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

CON EDISON (Continued) **1014398668**

Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D008
Hand Code:	H111
Quantity:	75 P

16
NW
< 1/8
0.069 mi.
363 ft.

NYSDOT BIN 5523361
RTE 907 W OVER MAMARONECK AVE
WHITE PLAINS, NY 10604

RCRA NonGen / NLR **1000790462**
NYD987019460

Relative:
Lower

Actual:
43 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2007-01-01 00:00:00.0
Handler Name:	NYSDOT BIN 5523361	
Handler Address:		RTE 907 W OVER MAMARONECK AVE
Handler City,State,Zip:		WHITE PLAINS, NY 10604
EPA ID:		NYD987019460
Contact Name:		RICHARD MANNS
Contact Address:		BURNETT BLVD
Contact City,State,Zip:		POUGHKEEPSIE, NY 12603
Contact Telephone:		914-431-5743
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		State
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R3
Mailing Address:		BURNETT BLVD
Mailing City,State,Zip:		POUGHKEEPSIE, NY 12603
Owner Name:		NYSDOT
Owner Type:		State
Operator Name:		NYSDOT
Operator Type:		State
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No

NYSDOT BIN 5523361 (Continued) **1000790462**

Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D008
Waste Description:	LEAD

NYSDOT BIN 5523361 (Continued) **1000790462**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYSDOT
Legal Status:	State
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4 BURNETT BLVD
Owner/Operator City,State,Zip:	POUGHKEEPSIE, NY 12603
Owner/Operator Telephone:	914-431-5743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NYSDOT
Legal Status:	State
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4 BURNETT BLVD
Owner/Operator City,State,Zip:	POUGHKEEPSIE, NY 12603
Owner/Operator Telephone:	914-431-5743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NYSDOT
Legal Status:	State
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4 BURNETT BLVD
Owner/Operator City,State,Zip:	POUGHKEEPSIE, NY 12603
Owner/Operator Telephone:	914-431-5743
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name: NYSDOT BIN 5523361	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-01-01 00:00:00.0
Handler Name: NYSDOT BIN 5523361	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No

NYSDOT BIN 5523361 (Continued) **1000790462**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:		1992-09-25 00:00:00.0
Handler Name:	NYSDOT BIN 5523361	
Federal Waste Generator Description:		Not a generator, verified
State District Owner:		NY
Large Quantity Handler of Universal Waste:		No
Recognized Trader Importer:		No
Recognized Trader Exporter:		No
Spent Lead Acid Battery Importer:		No
Spent Lead Acid Battery Exporter:		No
Current Record:		No
Non Storage Recycler Activity:		Not reported
Electronic Manifest Broker:		Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

D17 **CON EDISON** **RCRA NonGen / NLR** **1019904129**
SE **7 GLEN DR** **FINDS** **NYP004794087**
< 1/8 **HARRISON, NY 10528** **ECHO**
0.076 mi.
400 ft. **Site 1 of 3 in cluster D**

Relative:
Lower

Actual:
123 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-06-13 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		7 GLEN DR
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004794087
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported

CON EDISON (Continued) **1019904129**

Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PL 15TH FL NE
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-09-09 13:09:22.0

CON EDISON (Continued) **1019904129**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2015-06-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2015-06-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110069689279

Click Here:

Environmental Interest/Information System:

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

CON EDISON (Continued) **1019904129**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1019904129
Registry ID:	110069689279
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110069689279
Name:	CON EDISON
Address:	7 GLEN DR
City,State,Zip:	HARRISON, NY 10528

D18 **CON EDISON** **NJ MANIFEST** **S120672775**
SE **7 GLEN DR** **N/A**
< 1/8 **HARRISON, NY 10528**
0.076 mi.
400 ft. **Site 2 of 3 in cluster D**

Relative:
Lower

Actual:
123 ft.

NJ MANIFEST:

EPA Id:	NYP004794087
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014467884JJK
EPA ID:	NYP004794087
Date Shipped:	6/13/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported

CON EDISON (Continued) **S120672775**

Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

D19 **CON EDISON** **NY MANIFEST** **S118256887**
SE **7 GLEN DR** **N/A**
< 1/8 **HARRISON, NY 10528**
0.076 mi.
400 ft. **Site 3 of 3 in cluster D**

Relative:
Lower

Actual:
123 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	7 GLEN DR
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004794087
Facility Status:	Not reported
Location Address 1:	7 GLEN DR
Code:	BP
Location Address 2:	SB 8986
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004794087
Mailing Name:	CON EDISON
Mailing Contact:	DENNIS HUACON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

CON EDISON (Continued) **S118256887**

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/13/2015
Trans1 Recv Date:	06/13/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/18/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004794087
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	014467884JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

E20 NNE < 1/8 0.087 mi. 458 ft. | **CON EDISON 240 UNION AV HARRISON, NY 10528** | **NY MANIFEST** | **S117318362 N/A**

Site 1 of 3 in cluster E

Relative: Higher

Actual: 156 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	240 UNION AV
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004658878
Facility Status:	Not reported
Location Address 1:	240 UNION AV
Code:	BP
Location Address 2:	MH11328
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004658878
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/16/2014
Trans1 Recv Date:	09/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004658878
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770788JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117318362**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

F21 **CON EDISON** **RCRA NonGen / NLR** **1019905863**
North **270 UNION AVE FRONT OF MH10239** **FINDS** **NYP004814469**
< 1/8 **HARRISON, NY 10528** **ECHO**
0.088 mi.
465 ft. **Site 1 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-07-28 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		270 UNION AVE FRONT OF MH10239
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004814469
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported

CON EDISON (Continued) **1019905863**

Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-09-09 15:28:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

CON EDISON (Continued) **1019905863**

Historic Generators:

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110069695556

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1019905863
Registry ID: 110069695556

CON EDISON (Continued) **1019905863**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110069695556
Name: CON EDISON
Address: 270 UNION AVE FRONT OF MH9468
City,State,Zip: HARRISON, NY 10528

F22 **CON EDISON** **RCRA NonGen / NLR** **1019905864**
North **270 UNION AVE FRONT OF MH9468** **NYP004814477**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 2 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2015-07-28 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		270 UNION AVE FRONT OF MH9468
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004814477
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN

CON EDISON (Continued) **1019905864**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2016-09-09 15:28:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2015-07-28 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No

CON EDISON (Continued) **1019905864**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

F23 **CON EDISON** **NJ MANIFEST** **S120674607**
North **270 UNION AVE FRONT OF MH10239** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 3 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

NJ MANIFEST:

EPA Id:	NYP004814469
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014472149JJK
EPA ID:	NYP004814469
Date Shipped:	7/28/2015
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

CON EDISON (Continued) **S120674607**

Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

F24 **CON EDISON** **NJ MANIFEST** **S120674608**
North **270 UNION AVE FRONT OF MH9468** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 4 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

NJ MANIFEST:

EPA Id:	NYP004814477
Mail Address:	IRVING PL 15TH FL NE
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	THOMAS TEELING
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	014472150JJK
EPA ID:	NYP004814477
Date Shipped:	7/28/2015
TSDF EPA ID:	NJD002200046

CON EDISON (Continued) **S120674608**

Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

F25 **CON EDISON** **NY MANIFEST** **S119076828**
North **270 UNION AVE FRONT OF MH10239** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 5 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	270 UNION AVE FRONT OF MH10239
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004814469
Facility Status:	Not reported
Location Address 1:	OPP 246 UNION ST
Code:	BP
Location Address 2:	MH 10239
Total Tanks:	Not reported
Location City:	MAMARONECK
Location State:	NY

CON EDISON (Continued) **S119076828**

Location Zip:	10543
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004814469
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/28/2015
Trans1 Recv Date:	07/28/2015
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/31/2015
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004814469
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	014472149JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	50
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.

CON EDISON (Continued) **S119076828**

Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

F26 **CON EDISON** **PA MANIFEST** **S125059104**
North **270 UNION AVE FRONT OF MH9468** **N/A**
< 1/8 **HARRISON, NY 10528**
0.088 mi.
465 ft. **Site 6 of 13 in cluster F**

Relative:
Higher

Actual:
137 ft.

Manifest Details:

Year:	2018
Manifest Number:	011531449FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYP004814477
Generator Date:	04/07/2018
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	1
Container Type:	Cargo tanks (tank trucks)
Waste Quantity:	200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

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27 **RESIDENCE** **NY LTANKS** **S103559016**
East **19 WINFIELD AVE** **N/A**
< 1/8 **HARRISON, NY**
0.093 mi.
490 ft.

Relative:
Lower

Actual:
127 ft.

LTANKS:

Name:	RESIDENCE
Address:	19 WINFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9812181 / 1999-02-18
Facility ID:	9812181
Site ID:	199055

RESIDENCE (Continued) **S103559016**

Spill Date:	1998-12-31
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1998-12-31
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-12-31
Spill Record Last Update:	1999-03-12
Spiller Name:	MR POMERANTZ
Spiller Company:	RESIDENCE
Spiller Address:	19 WINFIELD AVE
Spiller County:	001
Spiller Contact:	MR POMERANTZ
Spiller Phone:	(914) 381-6032
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	165673
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/09/99 - PASED RE-TEST."
Remarks:	"WILL RECOMMEND ISOLATION TEST-OIL CO WILL PREPARE TANK TO BE RE-TESTED"

All TTF:

Facility ID:	9812181
Spill Number:	9812181
Spill Tank Test:	1546708
Site ID:	199055
Tank Number:	00000000000
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	199055
Operable Unit ID:	1069441
Operable Unit:	01
Material ID:	312462

RESIDENCE (Continued) **S103559016**

Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

G28 **NEWMAN - AST** **NY Spills** **S127291756**
East **598 WEST STREET** **N/A**
< 1/8 **HARRISON, NY**
0.093 mi.
491 ft. **Site 1 of 3 in cluster G**

Relative:
Higher

Actual:
163 ft.

SPILLS:

Name:	NEWMAN - AST
Address:	598 WEST STREET
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	2008906 / Not Reported
Facility ID:	2008906
Facility Type:	ER
DER Facility ID:	563771
Site ID:	615872
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	6028
Spill Date:	2021-01-21
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2021-01-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	2021-01-21
Spill Record Last Update:	2021-02-03
Spiller Name:	Art Newman
Spiller Company:	Arthur Newman
Spiller Address:	598 WEST ST
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"1/21/21- Spoke to Greg (Castlton): Removal of two 275-gal AST at a residence in a very small crawl space. Cut open the crawl space to access and found that one of the tanks had a hole. The tanks are sitting on concrete within the crawl space and the concrete was stained. Home is on municipal water & sewer. There is a sump pump close to the tank. They opened the sump pump and no visual signs of impacts right now. Homeowner is calling and insurance and likely contracting Castlton for further work. Castlton planning to do

NEWMAN - AST (Continued) **S127291756**

borings in concrete to investigate. -MS 1/29/21: I spoke with Greg at Castlton. He states they are scheduled to perform a soil boring through the floor on Monday, sample result will be forwarded to DEC. jod"

Remarks: "holes in tank clean up is pending"

All Materials:

Site ID:	615872
Operable Unit ID:	1362975
Operable Unit:	01
Material ID:	2375147
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

E29
NNE
< 1/8
0.093 mi.
492 ft.

RUBIN - TTF **NY LTANKS** **S117364451**
244 UNION AVE **N/A**
HARRISON, NY 10528

Site 2 of 3 in cluster E

Relative:
Higher

Actual:
156 ft.

LTANKS:

Name:	RUBIN - TTF
Address:	244 UNION AVE
City,State,Zip:	HARRISON, NY 10528
Spill Number/Closed Date:	1405584 / 2014-12-22
Facility ID:	1405584
Site ID:	499017
Spill Date:	2014-08-21
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2014-08-22
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2014-08-22
Spill Record Last Update:	2014-12-22
Spiller Name:	JEFF RUBIN
Spiller Company:	Rubin
Spiller Address:	244 UNION AVE
Spiller County:	999
Spiller Contact:	JEFF RUBIN

RUBIN - TTF (Continued) **S117364451**

Spiller Phone: (914) 772-3981
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 453971
DEC Memo: "8/22/14 Spoke to Reed Smercina. In addition to TTF, a soil sample was procured from the side of the tank which registered 50 ppm on PID, so there is some impact. Castlton has been hired to do tank pull. dw 11/06/14: Status report via email from C2G: Wanted to provide you with a status of the above spill #, it was a failed tank test, C2G was contracted to perform tank removal activities and are on site today to remove the UST and investigate the soil conditions. We will keep you updated on the results of the removal. jod 11/07/14: Status report via email from C2G: Yesterday s tank removal activities did confirm the failed tank test with impacts to the surrounding soils identified and 30+ holes in the UST. PID readings for the soils surrounding the UST were detected at a high of 403 ppm and were gray stained with strong petroleum odor. No groundwater encountered at this time below the UST. Has Municipal water. C2G is providing cleanup costs and homeowner is contacting their insurance co. jod 12/22/2014: C2G Environmental reports they removed and disposed of the leaking UST and petroleum contaminated soil. Closure Report/Documentation has been reviewed and entered into DecDocs. Based upon information provided, no further action required at this time. jod"
Remarks: "failed tank - clean up pending"

All Materials:
Site ID: 499017
Operable Unit ID: 1248448
Operable Unit: 01
Material ID: 2249895
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Oxygenate: Not reported

E30 **MCSORELY HOME** **NY Spills** **S108467762**
NE **236 UNION AVE** **N/A**
< 1/8 **HARRISON, NY**
0.095 mi.
500 ft. **Site 3 of 3 in cluster E**

Relative:
Higher

Actual:
146 ft.

SPILLS:
Name: MCSORELY HOME
Address: 236 UNION AVE
City,State,Zip: HARRISON, NY
Spill Number/Closed Date: 0612679 / 2008-01-14
Facility ID: 0612679
Facility Type: ER
DER Facility ID: 327118
Site ID: 377576
DEC Region: 3
Spill Cause: Equipment Failure

MCSORELY HOME (Continued) **S108467762**

Spill Class:	C3
SWIS:	6028
Spill Date:	2007-02-22
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2007-02-22
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-02-22
Spill Record Last Update:	2008-01-14
Spiller Name:	WILLIAM MCSORLEY
Spiller Company:	MCSORELY HOME
Spiller Address:	236 UNION AVE
Spiller Company:	001
Contact Name:	WILLIAM MCSORLEY
DEC Memo:	"Mr. McSorely is calling insurance pending further action. 1/14/08 - Castleon Environmental Contractors conducted removal liquid and sludge, the tank, contaminated soils and collected soil samples. A vac truck was used to remove 1,336 gal. liquid waste from the excavation and disposed at Paradise Heating Oil, Inc. 76 tons of contaminated soils was removed and disposed at Clean Earth of Philpadelphia, Inc. Three composite soil samples were collected. The soil sample results showed VOCs in the ppb range, well below the NYS soil guidelines and SVOCs in the ppm range, with no exceedance of NYS soil guidelines. There are no significant impacts from the tank. NFA. KAB"
Remarks:	"550 GALLON TANK HAD HOLES AND CONTAMINATED SOIL"

All Materials:

Site ID:	377576
Operable Unit ID:	1135103
Operable Unit:	01
Material ID:	2124997
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

F31 NNE < 1/8 0.096 mi. 505 ft. | **STELLA RESIDENCE 252 UNION AVE HARRISON, NY** | **NY Spills** | **S106737458 N/A**

Site 7 of 13 in cluster F

Relative: Higher

Actual: 149 ft.

SPILLS:

Name:	STELLA RESIDENCE
Address:	252 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0409812 / 2005-04-02
Facility ID:	0409812
Facility Type:	ER
DER Facility ID:	269838
Site ID:	334621
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2004-12-02
Investigator:	DXWEITZ
Referred To:	Not reported
Reported to Dept:	2004-12-02
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-12-02
Spill Record Last Update:	2005-04-02
Spiller Name:	MIKE STELLA
Spiller Company:	STELLA RESIDENCE
Spiller Address:	252 UNION AVE
Spiller Company:	001
Contact Name:	MIKE STELLA
DEC Memo:	""
Remarks:	"RETURN LINE LEAKED AND HAS BEEN REPAIRED:"

All Materials:

Site ID:	334621
Operable Unit ID:	1096747
Operable Unit:	01
Material ID:	576632
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

G32 East < 1/8 0.097 mi. 512 ft. | **LOMBARDI RESIDENCE 599 WEST STREET HARRISON, NY** | **NY LTANKS** | **S107789519 N/A**

Site 2 of 3 in cluster G

Relative: Higher

Actual: 164 ft.

LTANKS:

Name:	LOMBARDI RESIDENCE
Address:	599 WEST STREET
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0602291 / 2006-07-30
Facility ID:	0602291
Site ID:	364733
Spill Date:	2006-05-31
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2006-05-31
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2006-05-31
Spill Record Last Update:	2006-07-30
Spiller Name:	ED LOMBARDI
Spiller Company:	LOMBARDI RESIDENCE
Spiller Address:	599 WEST STREET
Spiller County:	001
Spiller Contact:	ED LOMBARDI
Spiller Phone:	(914) 447-7540
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	314926
DEC Memo:	"06/09/06: TANKS REMOVED - CONTACTING INS. CO. AND SEND PROPOSAL TO OWNER. July 30, 2006: LUST and contaminated soil disposed of. Closure report reviewed by DEC. Based upon information provided, no further action is required at this time. jod"
Remarks:	"550 gallon tank had holes;"

All Materials:

Site ID:	364733
Operable Unit ID:	1122755
Operable Unit:	01
Material ID:	2112229
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

H33 East < 1/8 0.099 mi. 522 ft. | **SCHUENKE RESIDENCE**
580 WEST STREET
HARRISON, NY 10528 | **NY UST** | **U004334094**
N/A

Site 1 of 2 in cluster H

Relative: Higher
Actual: 160 ft.

NY UST:
No Details: No Details

H34 East < 1/8 0.104 mi. 548 ft. | **MARSHALL RESIDENCE**
585 WEST ST
HARRISON, NY | **NY LTANKS** | **S104191465**
N/A

Site 2 of 2 in cluster H

Relative: Higher
Actual: 162 ft.

LTANKS:

Name:	MARSHALL RESIDENCE
Address:	585 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9904481 / 1999-09-02
Facility ID:	9904481
Site ID:	139302
Spill Date:	1999-07-15
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-07-15
CID:	384
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-07-15
Spill Record Last Update:	1999-09-07
Spiller Name:	MARSHALL RESIDENCE
Spiller Company:	MARSHALL RESIDENCE
Spiller Address:	585 WEST ST
Spiller County:	001
Spiller Contact:	YVES MARSHALL
Spiller Phone:	(914) 835-8103
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	119001
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 9/02/99 TANK PULLED BY TAKE PRIDE. TANK WAS SOUND, NO RELEASE. NFA"
Remarks:	"tested for real estate transaction. an isolation retest will be done within 10 days."

All TTF:

Facility ID:	9904481

MARSHALL RESIDENCE (Continued) **S104191465**

Spill Number:	9904481
Spill Tank Test:	1547378
Site ID:	139302
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	139302
Operable Unit ID:	1078920
Operable Unit:	01
Material ID:	304360
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

G35
East
< 1/8
0.106 mi.
560 ft.

PRIVATE DWELLING
607 WEST STREET
HARRISON, NY

Site 3 of 3 in cluster G

NY LTANKS **S108983072**
N/A

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name:	PRIVATE DWELLING
Address:	607 WEST STREET
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0710639 / 2008-04-21
Facility ID:	0710639
Site ID:	391965
Spill Date:	2008-01-08
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2008-01-08
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other

PRIVATE DWELLING (Continued) **S108983072**

Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-01-08
Spill Record Last Update:	2008-04-21
Spiller Name:	FREDRICK BAUMGARTEN
Spiller Company:	Not reported
Spiller Address:	607 WEST STREET
Spiller County:	001
Spiller Contact:	FREDRICK BAUMGARTEN
Spiller Phone:	(914) 835-8016
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	341570
DEC Memo:	"Soils are contaminated. Will send TCR to T. Ghiosay. (RA) April 21, 2008: NORTHEAST ENVIRONMENTAL DISPOSED OF LUST AND 212.57 TONS OF CONTAMINATED SOIL. CLOSURE REPORT REVIEWED BY DEC. BASED UPON INFORMATION PROVIDED, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
	Not reported
Remarks:	""

All TTF:

Facility ID:	0710639
Spill Number:	0710639
Spill Tank Test:	2384439
Site ID:	391965
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	True
Cause:	03
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

All Materials:

Site ID:	391965
Operable Unit ID:	1148994
Operable Unit:	01
Material ID:	2139496
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

F36 **CON ED HARRISON SUBSTATION** **NY Spills** **S116554420**
North **295 UNION AVE** **N/A**
< 1/8 **HARRISON, NY**
0.115 mi.
607 ft. **Site 8 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

SPILLS:

Name:	CON ED HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1400415 / 2014-11-10
Facility ID:	1400415
Facility Type:	ER
DER Facility ID:	84168
Site ID:	493652
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2014-04-12
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2014-04-12
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2014-04-12
Spill Record Last Update:	2014-11-10
Spiller Name:	ERT
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PL
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"4/12/14 - ConEd hired a contractor to conducted the cleanup. Spill is contain in the blue stone. KAB 06/04/2014 7:15 Performed clean up using absorbent, brooms and shovels. All contamminated bluestone was removed and drummed. Lukshides, Margaretha 04/12/2014 9:01 Corrective Action: The transformer group has been notified to perform the cleanup and investigate to determine what repairs are needed."
Remarks:	"Oil spilled to blue stone and soil. Clean up is pending crew arrival."

All Materials:

Site ID:	493652
Operable Unit ID:	1243165
Operable Unit:	01
Material ID:	2243831
Material Code:	0020A
Material Name:	transformer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	8.00
Units:	G

CON ED HARRISON SUBSTATION (Continued) **S116554420**

Recovered: Not reported
Oxygenate: Not reported

F37 **HARRISON CSD - HARRISON HIGH SCHOOL** **RCRA-VSQG** **1001818149**
North **255 UNION AVE** **FTTS** **NYR000076356**
< 1/8 **HARRISON, NY 10528**
0.115 mi.
607 ft. **Site 9 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

RCRA-VSQG:

Date Form Received by Agency:	2007-07-23 00:00:00.0
Handler Name:	HARRISON CSD - HARRISON HIGH SCHOOL
Handler Address:	255 UNION AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYR000076356
Contact Name:	EDWARD R KEAR
Contact Address:	UNION AVE
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-630-3018
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Other
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	UNION AVE
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported

HARRISON CSD - HARRISON HIGH SCHOOL (Continued) **1001818149**

Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D018
Waste Description:	BENZENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-630-3018
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HARRISON CSD - HARRISON HIGH SCHOOL (Continued) **1001818149**

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON BOARD OF EDUCATION
Legal Status:	Other
Date Became Current:	2007-07-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HARRISON BOARD OF EDUCATION
Legal Status:	Other
Date Became Current:	2007-07-24 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST - HIGH SCH
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-07-23 00:00:00.0
Handler Name:	HARRISON CSD - HARRISON HIGH SCHOOL
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1999-09-09 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST - HIGH SCH
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

HARRISON CSD - HARRISON HIGH SCHOOL (Continued) **1001818149**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2007-07-24 00:00:00.0
Handler Name: HARRISON CSD - HARRISON HIGH SCHOOL
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 61111
NAICS Description: ELEMENTARY AND SECONDARY SCHOOLS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FTTS INSP:
Inspection Number: 200209190015 1
Region: 02
Inspection Date: 09/19/02
Inspector: L. SIMON
Violation occurred: Yes
Investigation Type: AHERA, Enforcement, SEE Conducted
Investigation Reason: Neutral Scheme, Region
Legislation Code: TSCA
Facility Function: User

F38 **HARRISON HIGH SCHOOL** **NY Spills** **S103573585**
North **295 UNION AVE** **NY MANIFEST** **N/A**
< 1/8 **HARRISON, NY 10528**
0.115 mi.
607 ft. **Site 10 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

SPILLS:
Name: HARRISON SUBSTATION
Address: 295 UNION AVE
City,State,Zip: HARRISON, NY
Spill Number/Closed Date: 0600629 / 2006-04-21
Facility ID: 0600629
Facility Type: ER

HARRISON HIGH SCHOOL (Continued) **S103573585**

DER Facility ID:	84168
Site ID:	362682
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2006-04-17
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2006-04-17
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-04-17
Spill Record Last Update:	2006-04-21
Spiller Name:	ERT DESK'
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERT DESK'
DEC Memo:	""
Remarks:	"8OUNCES LEAKED FROM A CIRCULATING PUMP ON TRANSFORMER #1: NO TO 4 QUESTIONS; CREWS CLEANING UP"

All Materials:

Site ID:	362682
Operable Unit ID:	1120752
Operable Unit:	01
Material ID:	2110249
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0607227 / 2006-10-02
Facility ID:	0607227
Facility Type:	ER
DER Facility ID:	84168
Site ID:	370757
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028

HARRISON HIGH SCHOOL (Continued) **S103573585**

Spill Date:	2006-09-22
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2006-09-23
CID:	78
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2006-09-25
Spill Record Last Update:	2006-10-11
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	CAPUNE, BILL
DEC Memo:	""
Remarks:	"6 oz dialectic fluid from A phase pothead."

All Materials:

Site ID:	370757
Operable Unit ID:	1128546
Operable Unit:	01
Material ID:	2118163
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUB STATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0108801 / 2001-12-19
Facility ID:	0108801
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93952
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2001-12-04
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2001-12-04
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

HARRISON HIGH SCHOOL (Continued) **S103573585**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-04
Spill Record Last Update:	2002-02-07
Spiller Name:	SAME
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	CHARLIE MCCARTHY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE "
Remarks:	"3ozs spilled onto transformer pad - transformer #4 - ref #140468"

Name:	HARRISON SUB STATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9809455 / 2004-10-22
Facility ID:	9809455
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93953
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	6028
Spill Date:	1998-10-28
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1998-10-28
CID:	257
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-28
Spill Record Last Update:	2004-10-22
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MR MCQUEEN
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"ON 100 GALS OF WATER SAMPLE WAS TAKEN REF #120880 - SPILL IS IN MANHOLE"

All Materials:

Site ID:	93953

HARRISON HIGH SCHOOL (Continued) **S103573585**

Operable Unit ID:	1066730
Operable Unit:	01
Material ID:	316908
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0002288 / 2000-05-24
Facility ID:	0002288
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93950
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2000-05-24
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-05-24
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-24
Spill Record Last Update:	2000-05-30
Spiller Name:	CALLER
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 05/24/2000 1 OUNCE NOT 1 GALLON SPILLED. CLEANUP REPORT TO BE SENT TO TARRYTOWN OFFICE. NFA"
Remarks:	"SHEEN ON BLUESTONE - CLEAN UP IN PROGRESS - SAMPLE TAKEN - TRANSFORMER #4"

All Materials:

Site ID:	93950
Operable Unit ID:	824211
Operable Unit:	01
Material ID:	550654
Material Code:	0541A

HARRISON HIGH SCHOOL (Continued) **S103573585**

Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0002301 / 2000-05-24
Facility ID:	0002301
Facility Type:	ER
DER Facility ID:	84168
Site ID:	93951
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B4
SWIS:	6028
Spill Date:	2000-05-24
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2000-05-24
CID:	371
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-05-24
Spill Record Last Update:	2013-11-07
Spiller Name:	CALLER
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	CALLER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 05/24/2000 CLEANUP REPORT TO BE SENT TO TARRYTOWN OFFICE. NFA"
Remarks:	"faulty feeder/pumphouse -- spilled onto bluestone -- clean up in progress and expected to be complete. "

All Materials:

Site ID:	93951
Operable Unit ID:	824231
Operable Unit:	01
Material ID:	550667
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	G

HARRISON HIGH SCHOOL (Continued) **S103573585**

Recovered:	.00
Oxygenate:	Not reported

Name:	FEEDER 38W14
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0706849 / 2007-09-25
Facility ID:	0706849
Facility Type:	ER
DER Facility ID:	84168
Site ID:	387444
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2007-09-20
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2007-09-20
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-09-20
Spill Record Last Update:	2007-10-02
Spiller Name:	ERTSDESK
Spiller Company:	FEEDER 38W14
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	""
Remarks:	"LEAKING FROM FEEDER ABOUT 4 OUNCES AND ABOUT 1 DROP PER 1/2 HOUR AND IN PROCESS OF CLEANING UP"

All Materials:

Site ID:	387444
Operable Unit ID:	1144647
Operable Unit:	01
Material ID:	2134956
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE

HARRISON HIGH SCHOOL (Continued) **S103573585**

City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0704803 / 2007-07-29
Facility ID:	0704803
Facility Type:	ER
DER Facility ID:	84168
Site ID:	385019
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2007-07-28
Investigator:	dvwehrfr
Referred To:	Not reported
Reported to Dept:	2007-07-28
CID:	72
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2007-07-28
Spill Record Last Update:	2007-08-02
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	ERT DESK
DEC Memo:	"REC. HL 11:34 CONFIRMED CLEAN UP. NFA"
Remarks:	"2 pts of dielectric fluid spilled. Recovery pending resources."

All Materials:

Site ID:	385019
Operable Unit ID:	1142304
Operable Unit:	01
Material ID:	2132529
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0805008 / 2008-08-01
Facility ID:	0805008
Facility Type:	ER
DER Facility ID:	84168
Site ID:	402036
DEC Region:	3

HARRISON HIGH SCHOOL (Continued) **S103573585**

Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2008-07-31
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2008-07-31
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-01
Spill Record Last Update:	2008-08-01
Spiller Name:	ERTSDESK
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	"6 OZ. DIELECTRIC TO SAND & BLUESTONE. CLEAN UP UNDERWAY. -- NFA"
Remarks:	"CLEAN UP IN PROCESS CONED # 212874"

All Materials:

Site ID:	402036
Operable Unit ID:	1158807
Operable Unit:	01
Material ID:	2149894
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0805009 / 2008-08-16
Facility ID:	0805009
Facility Type:	ER
DER Facility ID:	84168
Site ID:	402037
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2008-07-31
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2008-07-31

HARRISON HIGH SCHOOL (Continued) **S103573585**

CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-01
Spill Record Last Update:	2008-08-16
Spiller Name:	ERTSDESK
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	"STAIN/SPILL BETWEEN DIESEL GENERATOR & TRANSFORMER - CON ED TO CLEAN UP."
Remarks:	"1 PINT AND CONED # 212875"

All Materials:

Site ID:	402037
Operable Unit ID:	1158808
Operable Unit:	01
Material ID:	2149895
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	HARRISON SUBSTATION
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0805010 / 2008-07-31
Facility ID:	0805010
Facility Type:	ER
DER Facility ID:	84168
Site ID:	402038
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2008-07-31
Investigator:	dxtraver
Referred To:	Not reported
Reported to Dept:	2008-07-31
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True

HARRISON HIGH SCHOOL (Continued) **S103573585**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-01
Spill Record Last Update:	2008-08-01
Spiller Name:	ERTSDESK
Spiller Company:	HARRISON SUBSTATION
Spiller Address:	295 UNION AVE
Spiller Company:	001
Contact Name:	ERTSDESK
DEC Memo:	"8 OZ TO BLUESTONE & SAND. CLEAN UP UNDERWAY. -- NFA"
Remarks:	" 4 OUNCES AND CLEANING UP CONED #212876 "

All Materials:

Site ID:	402038
Operable Unit ID:	1158809
Operable Unit:	01
Material ID:	2149896
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Click this hyperlink while viewing on your computer to access
8 additional NY SPILL: record(s) in the EDR Site Report.

NY MANIFEST:

Name:	HARRISON HIGH SCHOOL
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYR000076356
Facility Status:	Not reported
Location Address 1:	225 UNION AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000076356
Mailing Name:	HARRISON HIGH SCHOOL
Mailing Contact:	JOHN MASCIOLA
Mailing Address 1:	225 UNION AVE
Mailing Address 2:	Not reported
Mailing City:	HARRISON
Mailing State:	NY
Mailing Zip:	10528
Mailing Zip 4:	Not reported

HARRISON HIGH SCHOOL (Continued) **S103573585**

Mailing Country:	USA
Mailing Phone:	9146303018

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD986607380
Generator Ship Date:	12/01/2017
Trans1 Recv Date:	12/01/2017
Trans2 Recv Date:	12/05/2017
TSD Site Recv Date:	12/11/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000076356
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NCD000648451
TSDF ID 2:	Not reported
Manifest Tracking Number:	011142746FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	10
Units:	P - Pounds
Number of Containers:	1
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	D007
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

F39 **CON ED SUB STATION** **NY Spills** **S111738754**
North **295 UNION ED** **N/A**
< 1/8 **HARRISON, NY**
0.115 mi.
607 ft. **Site 11 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

SPILLS:

Name:	CON ED SUB STATION
Address:	295 UNION ED
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1114339 / 2014-02-21
Facility ID:	1114339
Facility Type:	ER
DER Facility ID:	416823
Site ID:	462393
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	6028
Spill Date:	2012-03-26
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2012-03-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2012-03-26
Spill Record Last Update:	2014-02-21
Spiller Name:	ERT
Spiller Company:	UNKNOWN
Spiller Address:	295 UNION ED
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"3/26/12- Spoke to Mike Beto at ERT desk. during excavation work, encountered impacted soils. Samples taken; cleanup pending. DT"
Remarks:	"unk material in soil. c/u pending"

All Materials:

Site ID:	462393
Operable Unit ID:	1212462
Operable Unit:	01
Material ID:	2210339
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.25
Units:	L
Recovered:	Not reported
Oxygenate:	Not reported

F40 **CON EDISON** **PA MANIFEST** **S125059027**
North **295 UNION AVE** **N/A**
< 1/8 **HARRISON, NY 10528**
0.115 mi.
607 ft. **Site 12 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

Manifest Details:

Year:	2018
Manifest Number:	011679237FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYP004210440
Generator Date:	04/07/2018
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Republic Environmental Systems (Pennsylvania) LLC
TSD Facility Address:	2869 Sandstone Dr
TSD Facility City:	Hatfield
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	1
Container Type:	Cargo tanks (tank trucks)
Waste Quantity:	1000
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD085690592
Date TSP Sig:	Not reported

F41 **CON EDISON - HARRISON SUBSTATION** **RCRA-SQG** **1010566386**
North **295 UNION AVE** **NY MANIFEST** **NYR000149716**
< 1/8 **HARRISON, NY 10528** **NJ MANIFEST**
0.115 mi.
607 ft. **Site 13 of 13 in cluster F**

Relative:
Lower

Actual:
110 ft.

RCRA-SQG:

Date Form Received by Agency:	2007-09-17 00:00:00.0
Handler Name:	CON EDISON - HARRISON SUBSTATION
Handler Address:	295 UNION AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYR000149716
Contact Name:	CRAIG R LITTLE
Contact Address:	TARRYTOWN RD
Contact City,State,Zip:	GREENBURGH, NY 10607
Contact Telephone:	914-422-8173
Contact Fax:	Not reported
Contact Email:	LITTLECR@CONED.COM
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	TARRYTOWN RD
Mailing City,State,Zip:	GREENBURGH, NY 10607
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CON EDISON
Legal Status:	Private
Date Became Current:	1972-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CON EDISON
Legal Status:	Private
Date Became Current:	1960-01-05 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	4 IRVING PLACE
Owner/Operator City,State,Zip:	NEW YORK, NY 10003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2007-09-17 00:00:00.0
Handler Name:	CON EDISON - HARRISON SUBSTATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Receive Date:	2007-09-18 00:00:00.0
Handler Name:	CON EDISON - HARRISON SUBSTATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	22112
NAICS Description:	ELECTRIC POWER TRANSMISSION, CONTROL, AND DISTRIBUTION

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	295 UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYR000149716
Facility Status:	Not reported
Location Address 1:	UNION AVE
Code:	BP
Location Address 2:	HARRISON S/S
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000149716
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLYN MURRAY
Mailing Address 1:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124602808

NY MANIFEST:

Document ID:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	12/17/2012
Trans1 Recv Date:	12/17/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/18/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000149716
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD980593636
TSDF ID 2:	Not reported
Manifest Tracking Number:	004806813FLE
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	75
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B004
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

NJ MANIFEST:

EPA Id:	NYR000149716
Mail Address:	TARRYTOWN RD
Mail City/State/Zip:	GREENBURGH, NY 10607
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	CRAIG R LITTLE
Comments:	Not reported
SIC Code:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	000180158GBF
EPA ID:	NYR000149716
Date Shipped:	09/20/2007
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD003812047
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/20/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/20/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	GREENBURGH, NY 10607
Reason Load Was Rejected:	Not reported

EPA Id:	NYR000076356
Mail Address:	UNION AVE
Mail City/State/Zip:	HARRISON, NY 10528
Facility Phone:	Not reported
Emergency Phone:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Contact:	THOMAS DIBUONO
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	005221389JJK
EPA ID:	NYR000076356
Date Shipped:	6/26/2012
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NY0000182675
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	HARRISON, NY 10528
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported

CON EDISON - HARRISON SUBSTATION (Continued) **1010566386**

Quantity:	40.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	36.00 Pounds
Manifest Number:	013554536JJK
EPA ID:	NYR000076356
Date Shipped:	8/26/2015
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NY0000182675
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	HARRISON, NY 10528
Reason Load Was Rejected:	Not reported

I42 NE < 1/8 0.125 mi. 659 ft. | **ADLER - UST 232 UNION AVE HARRISON, NY** | **NY Spills** | **S121119572 N/A**

Site 1 of 3 in cluster I

Relative: Higher

Actual: 146 ft.

SPILLS:

Name:	ADLER - UST
Address:	232 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1706731 / 2017-12-06
Facility ID:	1706731
Facility Type:	ER
DER Facility ID:	514682
Site ID:	561054
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	6028
Spill Date:	2017-10-11
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2017-10-11
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-10-11
Spill Record Last Update:	2017-12-07
Spiller Name:	BRUCE ADLER
Spiller Company:	Bruce Adler
Spiller Address:	232 UNION AVE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"10/11/17 Royal Environmental pulled 550 UST, found holes in tank. Tank had been previously abandoned but not cleaned. No obvious signs of contamination found in soil. Samples will be taken for analysis. Tank left on site for insurance to view. No GW impacts, no waterways on property. Home believed to be on municipal water. No contact information for owner, but called and left message with realtor to call duty desk with contact information. ga 10/11/17 Spoke to homeowner. Confirmed no waterways, home on municipal water. Will have Royal do cleanup. Sending draft guidance by Regular Mail. ga 12/7/17: Advanced Environmental disposed of the leaking UST and a total of 33.74 tons of petroleum contaminated soil. Documentation submitted to DEC has been entered into D2/DecDocs. Based upon the information provided, no further action is required at this time. jod"
Remarks:	"550 gallon tank being removed, holes found in tank. clean up is pending"

All Materials:

Site ID:	561054
Operable Unit ID:	1309040
Operable Unit:	01

ADLER - UST (Continued) **S121119572**

Material ID:	2316109
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

J43 **BROADWAY REAL ESTATE SERVICES LLC** **RCRA-VSQG** **1004755933**
NNW **600 MAMARONECK AVE** **FINDS** **NY0000878652**
1/8-1/4 **HARRISON, NY 10528** **ECHO**
0.143 mi. **NJ MANIFEST**
755 ft. **Site 1 of 2 in cluster J**

Relative:
Lower

Actual:
56 ft.

RCRA-VSQG:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Handler Address:	600 MAMARONECK AVE
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NY0000878652
Contact Name:	OZZIE G ROSA
Contact Address:	MAMARONECK AVE
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-774-8668
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	MAMARONECK AVE
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	MENDIK REALTY
Owner Type:	Private
Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	X001
Waste Description:	Not Defined

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	Not reported

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	2001-01-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MENDIK REALTY
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	330 MADISON AVE
Owner/Operator City,State,Zip:	NEW YORK, NY 10017
Owner/Operator Telephone:	212-557-1100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BROADWAY REAL ESTATE SERVICES LLC
Legal Status:	Private
Date Became Current:	2004-04-01 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	600 MAMARONECK AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Owner/Operator Name:	BROADWAY PARTNERS
Legal Status:	Private
Date Became Current:	2001-07-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	375 PARK AVE #2107
Owner/Operator City,State,Zip:	NEW YORK, NY 10152
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BROADWAY PARTNERS
Legal Status:	Private
Date Became Current:	2001-07-03 00:00:00.
Date Ended Current:	Not reported
Owner/Operator Address:	375 PARK AVE #2107
Owner/Operator City,State,Zip:	NEW YORK, NY 10152
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-01-01 00:00:00.0
Handler Name:	BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1994-10-11 00:00:00.0
Handler Name:	MENDIK REALTY - 600 MAMARONECK AVE
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 2004-09-15 00:00:00.0
Handler Name: BROADWAY REAL ESTATE SERVICES LLC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110004320315

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004755933
Registry ID: 110004320315
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004320315
Name: BROADWAY REAL ESTATE SERVICES LLC
Address: 600 MAMARONECK AVE
City,State,Zip: HARRISON, NY 10528

NJ MANIFEST:
EPA Id: NY0000878652
Mail Address: 600 MAMARONECK AVENUE

BROADWAY REAL ESTATE SERVICES LLC (Continued) **1004755933**

Mail City/State/Zip:	HARRISON 10528
Facility Phone:	9146986571
Emergency Phone:	Not reported
Contact:	OZZIE ROSA
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	NJA5114501
EPA ID:	NY0000878652
Date Shipped:	10/22/2004
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD071629976
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/22/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/27/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	01120522
Was Load Rejected:	HARRISON 10528
Reason Load Was Rejected:	Not reported

J44 NNW 1/8-1/4 0.143 mi. 755 ft. | **MENDIK REALITY**
600 MAMARONECK AVE - BASEMENT
HARRISON, NY 10528
Site 2 of 2 in cluster J

NY LTANKS **S105230142**
NY MANIFEST **N/A**

Relative: Lower
Actual: 56 ft.

LTANKS:

Name:	BROADWAY SAXON OFFICE BLG
Address:	600 MAMARONECK AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0109357 / 2002-04-26
Facility ID:	0109357
Site ID:	135729
Spill Date:	2001-12-21
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	WCHD
Referred To:	Westchester Cnty Health Dept
Reported to Dept:	2001-12-21
CID:	322
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-21
Spill Record Last Update:	2003-09-04
Spiller Name:	JOHN SHRANKER
Spiller Company:	Not reported
Spiller Address:	600 MAMARONECK AVE
Spiller County:	001
Spiller Contact:	JOHN SHRANKER
Spiller Phone:	(914) 698-6571
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	116528
DEC Memo:	""
Remarks:	"Tank test failure - "

All TTF:

Facility ID:	0109357
Spill Number:	0109357
Spill Tank Test:	1526778
Site ID:	135729
Tank Number:	1
Tank Size:	15000
Material:	0002
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F

MENDIK REALITY (Continued) **S105230142**

Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 135729
Operable Unit ID: 846691
Operable Unit: 01
Material ID: 530562
Material Code: 0002A
Material Name: #4 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

NY MANIFEST:
Name: MENDIK REALITY
Address: 600 MAMARONECK AVE - BASEMENT
City,State,Zip: HARRISON, NY 10528
Country: USA
EPA ID: NY0000878652
Facility Status: Not reported
Location Address 1: 600 MAMARONECK AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: HARRISON
Location State: NY
Location Zip: 10528
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NY0000878652
Mailing Name: MENDIK REALITY
Mailing Contact: SEVERINO GIANSANTO
Mailing Address 1: 600 MAMARONECK AVE
Mailing Address 2: Not reported
Mailing City: HARRISON
Mailing State: NY
Mailing Zip: 10528
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 0000000000

NY MANIFEST:
Document ID: NJA5114501
Manifest Status: Not reported
seq: Not reported
Year: 2004
Trans1 State ID: 03217
Trans2 State ID: Not reported
Generator Ship Date: 10/22/2004
Trans1 Recv Date: 10/22/2004

MENDIK REALITY (Continued) **S105230142**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/27/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000878652
Trans1 EPA ID:	NJD071629976
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	F001 - UNKNOWN
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00150
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

45 ENE 1/8-1/4 0.147 mi. 774 ft. | **CON EDISON**
9 WINFIELD AVE
HARRISON, NY 10528 | **RCRA NonGen / NLR**
NY MANIFEST | **1014398093**
NYP004204442

Relative: Higher

Actual: 148 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2010-03-17 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		9 WINFIELD AVE
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004204442
Contact Name:		PAUL WALSH
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		347-203-0646
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		4 IRVING PL, RM 828
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		Yes
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		NN
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

CON EDISON (Continued) **1014398093**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2010-09-10 11:20:29.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2010-03-17 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

CON EDISON (Continued) **1014398093**

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	9 WINFIELD AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004204442
Facility Status:	Not reported
Location Address 1:	9 9 WINFIELD AVENUE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004204442
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	03/17/2010
Trans1 Recv Date:	03/17/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/26/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004204442
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD077444263
TSDF ID 2:	Not reported
Manifest Tracking Number:	005843648JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	Y
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported

CON EDISON (Continued) **1014398093**

Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1540
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	30
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	B002
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

K46 **CON ED - V 5471** **RCRA NonGen / NLR** **1007206220**
SSW **450 MAMARONECK AVE / S/O** **NY MANIFEST** **NYP004005914**
1/8-1/4 **HARRISON, NY 10628**
0.155 mi.
821 ft. **Site 1 of 2 in cluster K**

Relative:
Lower

Actual:
48 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		1998-02-28 00:00:00.0
Handler Name:	CON ED - V 5471	
Handler Address:		450 MAMARONECK AVE / S/O
Handler City,State,Zip:		HARRISON, NY 10628-0000
EPA ID:		NYP004005914
Contact Name:		ANTHONY DRUMMINGS
Contact Address:		CONSOLIDATED EDISON INC
Contact City,State,Zip:		NEW YORK, NY 10003-0000
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		02
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R3
Mailing Address:		CONSOLIDATED EDISON INC
Mailing City,State,Zip:		NEW YORK, NY 10003-0000
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No

CON ED - V 5471 (Continued) **1007206220**

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	1998-02-27 00:00:00.0

CON ED - V 5471 (Continued) **1007206220**

Handler Name: CON ED - V 5471
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-02-28 00:00:00.0
Handler Name: CON ED - V 5471
Federal Waste Generator Description: Not a generator, verified
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 1998-02-26 00:00:00.0
Handler Name: CON ED - V 5471
Federal Waste Generator Description: Large Quantity Generator
State District Owner: NY
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 22111
NAICS Description: ELECTRIC POWER GENERATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: 450 MAMARONECK AVE / S/O

CON ED - V 5471 (Continued) **1007206220**

City,State,Zip:	HARRISON, NY 10628-0000
Country:	USA
EPA ID:	NYP004005914
Facility Status:	Not reported
Location Address 1:	V 5196 - 450 MAMK
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	QUEENS
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004005914
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124602808

NY MANIFEST:

Document ID:	NYG0123165
Manifest Status:	C
seq:	Not reported
Year:	1997
Trans1 State ID:	GX3213
Trans2 State ID:	Not reported
Generator Ship Date:	03/21/1997
Trans1 Recv Date:	03/21/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/24/1997
Part A Recv Date:	04/02/1997
Part B Recv Date:	04/08/1997
Generator EPA ID:	NYP004005914
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD980593636
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB

CON ED - V 5471 (Continued) **1007206220**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	02018
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

K47 **450 MAMARONECK AVENUE LLC** **NY AST** **A100395288**
SSW **450 MAMARONECK AVENUE** **N/A**
1/8-1/4 **HARRISON, NY 10528**
0.155 mi.
821 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
48 ft.

WESTCHESTER CO. AST:

Name:	450 MAMARONECK AVENUE LLC
Address:	450 MAMARONECK AVENUE
City,State,Zip:	HARRISON, NY 10528
PBS Number:	3-496855
Site Status:	Active
GDS Number:	Not reported
Operator Name:	450 Mamaroneck Avenue LLC
Owner Name:	450 Mamaroneck Avenue LLC
Owner Street:	P.O Box 349
Owner Address2:	Not reported
Owner City/State/Zip:	White Plains, NY 10605
Tank Number:	1
Status:	1. In-Service
Date Installation:	10/01/1980
Capacity:	5000
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	6. Aboveground in subterranean vault with access for inspections
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating
Tank Leak Detection:	6. Impervious Barrier/Concrete Pad (Aboveground Only)
Tank Secondary Containment:	2. Vault (w/ access),10. Impervious Underlayment (AST Only)
Piping Location:	3. Aboveground/Underground Combination
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	1. Painted/Asphalt Coating
Piping Leak Detection:	9. Exempt suction piping
Piping Secondary Containment:	1. Diking (aboveground only)
Overfill Prevention:	5. Vent Whistle
Spill Prevention:	0. None
Dispenser:	3. Gravity
Tank Number:	2
Status:	1. In-Service
Date Installation:	01/01/1983

450 MAMARONECK AVENUE LLC (Continued) **A100395288**

Capacity:	100
Product Stored:	0001. #2 Fuel Oil
Product Stored Percent:	Not reported
Date Perm Closure:	01/01/1900
Tank Location:	3. Aboveground on saddles,legs,stilts,racks or cradle
Tank Type:	1. Steel/Carbon steel/Iron
Tank Internal Protection:	0. None
Tank External Protection:	1. Painted/Asphalt Coating,Day Tank
Tank Leak Detection:	6. Impervious Barrier/Concrete Pad (Aboveground Only)
Tank Secondary Containment:	10. Impervious Underlayment (AST Only)
Piping Location:	1. Aboveground
Piping Type:	1. Steel/Carbon/ Steel/Iron
Piping External Protection:	0. None
Piping Leak Detection:	0. None
Piping Secondary Containment:	0. None
Overfill Prevention:	2. High Level Alarm
Spill Prevention:	0. None,Day Tank
Dispenser:	2. Suction

I48 **HARRISON HIGH SCHOOL** **NY UST** **U004333887**
NE **255 UNION AVENUE** **N/A**
1/8-1/4 **HARRISON, NY 10528**
0.165 mi.
871 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
150 ft.

NY UST:
No Details: No Details

I49 **REAL ESTATE - TTF** **NY LTANKS** **S118263464**
NE **228 UNION AVE** **N/A**
1/8-1/4 **HARRISON, NY**
0.168 mi.
886 ft. **Site 3 of 3 in cluster I**

Relative:
Higher

Actual:
150 ft.

LTANKS:

Name:	REAL ESTATE - TTF
Address:	228 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1505635 / Not Reported
Facility ID:	1505635
Site ID:	513013
Spill Date:	2015-08-25
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	Unassigned
Referred To:	Not reported
Reported to Dept:	2015-08-26
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported

REAL ESTATE - TTF (Continued) **S118263464**

Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	4
Date Entered In Computer:	2015-08-26
Spill Record Last Update:	2019-05-10
Spiller Name:	None given by caller
Spiller Company:	Bank Owned Foreclosure
Spiller Address:	228 UNION AVE
Spiller County:	999
Spiller Contact:	PAUL SCORZELLI
Spiller Phone:	914-557-3491
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	467556
DEC Memo:	"House is in foreclosure, bank is selling. Caller is representing the buyer. The real estate agent for the bank has agreed to have the tank removed. Caller does not have contact inof for the bank but he will get it and email J O'Dee....mm"
Remarks:	"TANK REMOVAL IN PROGRESS SPILL UNKNOWN"

All Materials:

Site ID:	513013
Operable Unit ID:	1262250
Operable Unit:	01
Material ID:	2265768
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

L50 **SPILL NUMBER 9908460** **NY LTANKS** **S104620544**
SE **49 WINDFIELD RD** **N/A**
1/8-1/4 **HARRISON, NY**
0.173 mi.
916 ft. **Site 1 of 2 in cluster L**

Relative:
Lower

Actual:
99 ft.

LTANKS:

Name:	SPILL NUMBER 9908460
Address:	49 WINDFIELD RD
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9908460 / 2000-01-25
Facility ID:	9908460
Site ID:	225239
Spill Date:	1999-10-11
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-10-12

SPILL NUMBER 9908460 (Continued) **S104620544**

CID:	365
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-10-12
Spill Record Last Update:	2000-02-07
Spiller Name:	COBEN RESIDENCE
Spiller Company:	Not reported
Spiller Address:	49 WINDFIELD RD
Spiller County:	001
Spiller Contact:	COBEN RESIDENCE
Spiller Phone:	(914) 777-3141
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	185931
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/12/99 OIL LEAKING THRU FOUNDATION WALL & DRAINING INTO SUMP PIT WHICH DISCHARGES OUTSIDE HOUSE. SUMP UNPLUGGED, CLEANED BASEMENT AND PUMPED OUT TANK. TEMPORARY TANK SET UP. HOMEOWNER CONTACTING INSURANCE COMPANY. 01/25/2000 DUTCHESS ENV. PULLED TANK AND DISPOSED OF 20.785 TONS OF CONTAMINATED SOIL FOR CLEAR PROGRAM. TANK PASSED A TANK TEST PERFORMED BY ATS IN APPROXIMATELY MARCH. TANK HAD SEVERAL LARGE HOLES. DEC INSPECTED SITE. CLEANUP COMPLETE. NFA"
Remarks:	"1000 GALLON UNDERGROUND TANK LEAKED #2 DIESEL FUEL - OIL WAS SOAKED UP & PUMPED THE TANK DRY"

All Materials:

Site ID:	225239
Operable Unit ID:	1087135
Operable Unit:	01
Material ID:	297581
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

51
ESE
1/8-1/4
0.182 mi.
960 ft.

CON EDISON POLE: W44
50 WEST ST & CENTURY TRAIL
HARRISON, NY 10528

RCRA NonGen / NLR
FINDS
ECHO
NY MANIFEST

1016149262
NYP004279253

Relative:
Higher

Actual:
159 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2017-07-28 00:00:00.0
Handler Name:	CON EDISON POLE: W44	
Handler Address:		50 WEST ST & CENTURY TRAIL
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004279253
Contact Name:		DONALD SENNO

CON EDISON POLE: W44 (Continued) **1016149262**

Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	914-925-6219
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	SR SPECIALIST
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	IRVING PL, RM 828
Mailing City,State,Zip:	NEW YORK, NY 10003
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

CON EDISON POLE: W44 (Continued) **1016149262**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2017-11-27 14:42:59.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2012-11-29 00:00:00.0
Handler Name: CON EDISON POLE: W44	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2017-07-28 00:00:00.0
Handler Name: CON EDISON POLE: W44	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

CON EDISON POLE: W44 (Continued) **1016149262**

Evaluations: No Evaluations Found

FINDS:
Registry ID: 110055468523

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016149262
Registry ID:	110055468523
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110055468523
Name:	CON EDISON POLE: W44
Address:	50 WEST ST & CENTURY TRAIL
City,State,Zip:	HARRISON, NY 10528

NY MANIFEST:

Name:	CON EDISON
Address:	50 WEST ST & CENTURY TRAIL
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004279253
Facility Status:	Not reported
Location Address 1:	550 WEST ST
Code:	BP
Location Address 2:	POLE W44 EMIS 232218
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004279253
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL 15TH FL
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

CON EDISON POLE: W44 (Continued) **1016149262**

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	NJD003812047
Generator Ship Date:	11/29/2012
Trans1 Recv Date:	11/29/2012
Trans2 Recv Date:	12/12/2012
TSD Site Recv Date:	12/13/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004279253
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD049836679
TSDF ID 2:	Not reported
Manifest Tracking Number:	001675766GBF
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H132
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	580
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	5
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	B007
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M52 NE 1/8-1/4 0.189 mi. 999 ft. | **CON EDISON**
226 UNION AV WEST ST
HARRISON, NY 10528

Site 1 of 4 in cluster M | **NY MANIFEST** | **S117318344**
N/A

Relative: Higher

Actual: 154 ft.

NY MANIFEST:

Name:	CON EDISON
Address:	226 UNION AV WEST ST
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004658662
Facility Status:	Not reported
Location Address 1:	226 UNION AV WEST ST
Code:	BP
Location Address 2:	MH11329
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004658662
Mailing Name:	CON EDISON
Mailing Contact:	CON EDISON
Mailing Address 1:	4 IRVING PL
Mailing Address 2:	15TH FL
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/16/2014
Trans1 Recv Date:	09/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004658662
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	012770750JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N

CON EDISON (Continued) **S117318344**

Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	60
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

M53 **RESIDENCE** **NY LTANKS** **S104877298**
NE **226 UNION AVE** **N/A**
1/8-1/4 **HARRISON, NY**
0.189 mi.
999 ft. **Site 2 of 4 in cluster M**

Relative:
Higher

Actual:
154 ft.

LTANKS:

Name:	RESIDENCE
Address:	226 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0009722 / 2005-04-10
Facility ID:	0009722
Site ID:	143793
Spill Date:	2000-11-24
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D6
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-11-27
CID:	389
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-11-27
Spill Record Last Update:	2005-04-10

RESIDENCE (Continued) **S104877298**

Spiller Name:	JACK DINOFFER
Spiller Company:	RESIDENCE
Spiller Address:	226 UNION AVE
Spiller County:	001
Spiller Contact:	JACK DINOFFER
Spiller Phone:	(914) 835-3758
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	122601
DEC Memo:	"11/28/2000 TANK TEST FAILURE LETTER SENT. 04/10/05 NON-REGULATED TTF. NO RETEST OR CLOSURE INFORMATION SUBMITTED TO DEC. SPILL ADMINISTRATIVELY CLOSED AS PER DIRECTIVE FROM CENTRAL OFFICE. jod"
Remarks:	"CALLER REPORTING A SPILL OF MATERIAL FROM A TANK FAILURE NO CLEAN UP HAS BEEN PREFORMED AND NO CALLBACK IS NECESSARY"

All TTF:

Facility ID:	0009722
Spill Number:	0009722
Spill Tank Test:	1526000
Site ID:	143793
Tank Number:	Not reported
Tank Size:	0
Material:	0066A
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	143793
Operable Unit ID:	830754
Operable Unit:	01
Material ID:	543660
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

54 ENE 1/8-1/4 0.200 mi. 1055 ft. | **LAZARUS 627 WEST ST HARRISON, NY** | **NY LTANKS** | **S103823968 N/A**

Relative: Higher

Actual: 159 ft.

LTANKS:

Name:	LAZARUS
Address:	627 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9808846 / 1998-11-04
Facility ID:	9808846
Site ID:	186305
Spill Date:	1998-10-15
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1998-10-16
CID:	366
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1998-10-16
Spill Record Last Update:	1999-01-16
Spiller Name:	Not reported
Spiller Company:	ALLYSON LAZARUS
Spiller Address:	627 WEST ST
Spiller County:	001
Spiller Contact:	ALLYSON LACARUS
Spiller Phone:	(914) 698-7743
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	155738
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE NES PULLED TANK AND 97.32 TONS SOIL"
Remarks:	"caller reporting that an underground tank was found to have holes in it. contaminated soil encountered."

All Materials:

Site ID:	186305
Operable Unit ID:	1066229
Operable Unit:	01
Material ID:	316330
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

L55 SE 1/8-1/4 0.204 mi. 1077 ft. | **BROWN RESIDENCE 53 WINFIELD AVE HARRISON, NY** | **NY LTANKS** | **S103824863 N/A**

Site 2 of 2 in cluster L

Relative: Lower

Actual: 86 ft.

LTANKS:

Name:	BROWN RESIDENCE
Address:	53 WINFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9815233 / 1999-07-16
Facility ID:	9815233
Site ID:	119554
Spill Date:	1999-03-23
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-03-24
CID:	384
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-03-24
Spill Record Last Update:	1999-07-22
Spiller Name:	WALTER BROWN
Spiller Company:	BROWN RESIDENCE
Spiller Address:	53 WINFIELD AVE
Spiller County:	001
Spiller Contact:	WALTER BROWN
Spiller Phone:	(914) 381-2510
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	103842
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 03/24/99 HOMOWNER PLAN TO REPLACE/REPAIR FILL PIPE; PLAN TO RETEST. 10 MILES FROM KENSICO RESERVOIR. "
Remarks:	"TANK TESTED FOR INSURANCE PROGRAMS"

All TTF:

Facility ID:	9815233
Spill Number:	9815233
Spill Tank Test:	1546972
Site ID:	119554
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U

BROWN RESIDENCE (Continued) **S103824863**

Leak Rate: .00
Gross Fail: F
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 119554
Operable Unit ID: 1073248
Operable Unit: 01
Material ID: 308349
Material Code: 0001A
Material Name: #2 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

N56 **CON EDISON** **RCRA NonGen / NLR** **1014398688**
NNW **UNION AVE & MAMARONECK AVE** **NY MANIFEST** **NYP004210449**
1/8-1/4 **HARRISON, NY 10528** **NJ MANIFEST**
0.217 mi.
1146 ft. **Site 1 of 2 in cluster N**

Relative:
Lower

Actual:
51 ft.

RCRA NonGen / NLR:
Date Form Received by Agency: 2020-04-13 00:00:00.0
Handler Name: CON EDISON
Handler Address: UNION AVE & MAMARONECK AVE
Handler City,State,Zip: HARRISON, NY 10528
EPA ID: NYP004210449
Contact Name: Not reported
Contact Address: Not reported
Contact City,State,Zip: Not reported
Contact Telephone: Not reported
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 02
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: NY
State District: NYSDEC R2
Mailing Address: Not reported
Mailing City,State,Zip: Not reported
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No

CON EDISON (Continued) **1014398688**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-13 15:33:30.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:		2010-07-03 00:00:00.0
Handler Name:	CON EDISON	

CON EDISON (Continued) **1014398688**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-04-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	UNION AVE & MAMARONECK AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004210449
Facility Status:	Not reported
Location Address 1:	M9456 - HARRISON SUBSTATION UNION AVE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	Not reported
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004210449
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	THOMAS TEELING
Mailing Address 1:	4 IRVING PL RM 828
Mailing Address 2:	Not reported

CON EDISON (Continued) **1014398688**

Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/03/2010
Trans1 Recv Date:	07/03/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/04/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004210449
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	003533292JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	Y
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H111
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	300
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

CON EDISON (Continued) **1014398688**

NJ MANIFEST:

EPA Id:	NYP004210449
Mail Address:	4 IRVING PL, RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	DAVID DUKE
Comments:	Not reported
SIC Code:	Not reported
County:	NY119
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	003533292JJK
EPA ID:	NYP004210449
Date Shipped:	07/03/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NYD006982359
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/03/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/04/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported

CON EDISON (Continued) **1014398688**

Was Load Rejected: NEW YORK, NY 10003
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D008
Hand Code: H111
Quantity: 300 P

N57
NNW
1/8-1/4
0.219 mi.
1157 ft.

CONSOLIDATED EDISON
MAMARONECK & UNION
HARRISON, NY 10528

NY MANIFEST **1009242875**
N/A

Site 2 of 2 in cluster N

Relative:
Lower

Actual:
50 ft.

NY MANIFEST:
Name: CONSOLIDATED EDISON
Address: MAMARONECK & UNION
City,State,Zip: HARRISON, NY 10528
Country: USA
EPA ID: NYP004121463
Facility Status: Not reported
Location Address 1: MAMARONECK & UNION
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: HARRISON
Location State: NY
Location Zip: 10528
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP004121463
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address 1: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 2124602808

NY MANIFEST:
Document ID: NYE0589608
Manifest Status: Not reported
seq: Not reported
Year: 2004
Trans1 State ID: 96591JE
Trans2 State ID: Not reported
Generator Ship Date: 06/10/2004
Trans1 Recv Date: 06/10/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/11/2004

CONSOLIDATED EDISON (Continued) **1009242875**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004121463
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID 1:	NYD980593
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00200
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00

M58 **HARRISON CENTRAL SCHOOL DIST** **RCRA NonGen / NLR** **1001119624**
NE **UNION AVE & WEST ST CORNER OF** **NY MANIFEST** **NYR000029132**
1/8-1/4 **HARRISON, NY 10528**
0.223 mi.
1176 ft. **Site 3 of 4 in cluster M**

Relative:
Higher

Actual:
165 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	2007-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Handler Address:	UNION AVE & WEST ST CORNER OF
Handler City,State,Zip:	HARRISON, NY 10528
EPA ID:	NYR000029132
Contact Name:	JOHN BLAKE
Contact Address:	UNION AVE & WEST ST CORNER OF
Contact City,State,Zip:	HARRISON, NY 10528
Contact Telephone:	914-681-6384
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	District
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R3
Mailing Address:	UNION AVE & WEST ST CORNER OF
Mailing City,State,Zip:	HARRISON, NY 10528
Owner Name:	HARRISON CENTRAL SCHOOL DIST
Owner Type:	District
Operator Name:	HARRISON CENTRAL SCHOOL DIST
Operator Type:	District
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2015-04-14 00:00:00.0

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-835-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-835-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	HARRISON CENTRAL SCHOOL DIST
Legal Status:	District
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 UNION AVE
Owner/Operator City,State,Zip:	HARRISON, NY 10528
Owner/Operator Telephone:	914-835-3300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Historic Generators:

Receive Date:	2006-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2007-01-01 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	1996-09-11 00:00:00.0
Handler Name:	HARRISON CENTRAL SCHOOL DIST
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	HARRSION HIGH SCHOOL
Address:	UNION AVE & WEST ST CORNER OF
City,State,Zip:	HARRISON, NY 10528
Country:	USA

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

EPA ID:	NYR000029132
Facility Status:	Not reported
Location Address 1:	UNION AVENUE AND WEST STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000029132
Mailing Name:	HARRSION HIGH SCHOOL
Mailing Contact:	JOHN BLAKE/RANDI SMITH
Mailing Address 1:	123 MAIN STREET
Mailing Address 2:	Not reported
Mailing City:	WHITE PLAINS
Mailing State:	NY
Mailing Zip:	10601
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	9146816384

NY MANIFEST:

Document ID:	NYG2455227
Manifest Status:	Not reported
seq:	01
Year:	2000
Trans1 State ID:	WI010
Trans2 State ID:	Not reported
Generator Ship Date:	11/14/2000
Trans1 Recv Date:	11/14/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/20/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000029132
Trans1 EPA ID:	WID988566543
Trans2 EPA ID:	Not reported
TSDF ID 1:	AZ0000337360
TSDF ID 2:	Not reported
Manifest Tracking Number:	Not reported
Import Indicator:	Not reported
Export Indicator:	Not reported
Discr Quantity Indicator:	Not reported
Discr Type Indicator:	Not reported
Discr Residue Indicator:	Not reported
Discr Partial Reject Indicator:	Not reported
Discr Full Reject Indicator:	Not reported
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	Not reported
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Waste Code:	Not reported
Waste Code:	Not reported

HARRISON CENTRAL SCHOOL DIST (Continued) **1001119624**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00

M59 **CON EDISON VAULT: 1742** **RCRA NonGen / NLR** **1016966160**
NE **WEST ST & UNION AVE** **NY MANIFEST** **NYP004390159**
1/8-1/4 **HARRISON, NY 10528**
0.226 mi.
1191 ft. **Site 4 of 4 in cluster M**

Relative:
Higher

Actual:
164 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		2013-12-13 00:00:00.0
Handler Name:	CON EDISON VAULT: 1742	
Handler Address:		WEST ST & UNION AVE
Handler City,State,Zip:		HARRISON, NY 10528
EPA ID:		NYP004390159
Contact Name:		THOMAS TEELING
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		212-460-3770
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		SENIOR SCIENTIST
EPA Region:		02
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		NY
State District:		NYSDEC R2
Mailing Address:		IRVING PL, 15TH FL NE
Mailing City,State,Zip:		NEW YORK, NY 10003
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		Not reported
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No

CON EDISON VAULT: 1742 (Continued) **1016966160**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2014-07-01 11:43:40.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2013-11-13 00:00:00.0
Handler Name: CON EDISON VAULT: 1742	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CON EDISON VAULT: 1742 (Continued) **1016966160**

Receive Date:	2013-12-13 00:00:00.0
Handler Name:	CON EDISON VAULT: 1742
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

NY MANIFEST:

Name:	CON EDISON
Address:	WEST ST & UNION AVE
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004390159
Facility Status:	Not reported
Location Address 1:	WEST ST & UNION AVE
Code:	BP
Location Address 2:	V 1742
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004390159
Mailing Name:	CON EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE - 15TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported

CON EDISON VAULT: 1742 (Continued) **1016966160**

seq:	Not reported
Year:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	11/13/2013
Trans1 Recv Date:	11/13/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/19/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004390159
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	011695041JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H110
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	75
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D008
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O60 **CON EDISON** **RCRA NonGen / NLR** **1014398808**
East **23 ROLLING HILLS LN FO** **NY MANIFEST** **NYP004211777**
1/8-1/4 **HARRISON, NY 10528**
0.244 mi.
1290 ft. **Site 1 of 2 in cluster O**

Relative: RCRA NonGen / NLR:
Higher

Date Form Received by Agency:		2020-04-13 00:00:00.0
Handler Name:	CON EDISON	
Handler Address:		23 ROLLING HILLS LN FO
Handler City,State,Zip:		HARRISON, NY 10528

Actual:
157 ft.

CON EDISON (Continued) **1014398808**

EPA ID:	NYP004211777
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	02
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	NY
State District:	NYSDEC R2
Mailing Address:	Not reported
Mailing City,State,Zip:	Not reported
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

CON EDISON (Continued) **1014398808**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-04-13 15:34:44.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Historic Generators:

Receive Date:	2010-07-20 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	2020-04-13 00:00:00.0
Handler Name: CON EDISON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	NY
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

CON EDISON (Continued) **1014398808**

Evaluation Action Summary:
Evaluations: No Evaluations Found

NY MANIFEST:

Name:	CONSOLIDATED EDISON
Address:	23 ROLLING HILLS LN FO
City,State,Zip:	HARRISON, NY 10528
Country:	USA
EPA ID:	NYP004211777
Facility Status:	Not reported
Location Address 1:	IFO 23 ROLLING HILLS LN
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	HARRISON
Location State:	NY
Location Zip:	10528
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP004211777
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	TOM TEELING
Mailing Address 1:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	2124603770

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/20/2010
Trans1 Recv Date:	07/20/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/23/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004211777
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002200046
TSDF ID 2:	Not reported
Manifest Tracking Number:	006874718JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	Y
Discr Type Indicator:	N

CON EDISON (Continued) **1014398808**

Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H141
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1484
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	L Landfill.
Specific Gravity:	1
Waste Code:	Not reported
Waste Code 1_2:	B002
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

O61 **RESIDENCE** **NY LTANKS** **S102555846**
East **23 ROLLING HILLS LANE** **NY Spills** **N/A**
1/8-1/4 **HARRISON, NY**
0.244 mi.
1290 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
157 ft.

LTANKS:

Name:	RESIDENCE
Address:	23 ROLLING HILLS LANE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	9615054 / 1997-11-10
Facility ID:	9615054
Site ID:	292969
Spill Date:	1997-03-31
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1997-03-31
CID:	266
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1997-03-31

RESIDENCE (Continued) **S102555846**

Spill Record Last Update:	1998-01-29
Spiller Name:	Not reported
Spiller Company:	ROBERT BRUSKIN
Spiller Address:	23 ROLLING HILLS LANE
Spiller County:	001
Spiller Contact:	ROBERT BRUSKIN
Spiller Phone:	(914) 835-2202
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	237133
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 12/12/97 ORIGINALLY A TTF; NES REMOVED THE TANK & 24 TONS OF CONTAMINATED SOIL; "
Remarks:	"SPILLER NOTIFIED OF RESULTS. SPILLER TOLD TO HAVE TANK EVACUATED. US TANK TECH WILL THEN ISOLATE TANK AND RETEST."

All TTF:

Facility ID:	9615054
Spill Number:	9615054
Spill Tank Test:	1545051
Site ID:	292969
Tank Number:	Not reported
Tank Size:	1500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	292969
Operable Unit ID:	1042582
Operable Unit:	01
Material ID:	336588
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	RESIDENTIAL
Address:	23 ROLLING HILLS LN
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1704913 / 2017-08-16
Facility ID:	1704913
Facility Type:	ER

RESIDENCE (Continued) **S102555846**

DER Facility ID:	510705
Site ID:	557181
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	6028
Spill Date:	2017-08-16
Investigator:	LXRICCI
Referred To:	Not reported
Reported to Dept:	2017-08-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Transformer
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2017-08-16
Spill Record Last Update:	2017-08-21
Spiller Name:	Not reported
Spiller Company:	coned
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	TIM REGAN
DEC Memo:	"8-21-17 spill cleaned up by con ed NFA LR"
Remarks:	"1 quart .The cleanup is pending."

All Materials:

Site ID:	557181
Operable Unit ID:	1305205
Operable Unit:	01
Material ID:	2311914
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

62
NE
1/4-1/2
0.266 mi.
1405 ft.

LOWENTHAL RESIDENCE
222 UNION AVE
HARRISON, NY

NY LTANKS **S105999454**
N/A

Relative:
Higher

Actual:
166 ft.

LTANKS:

Name:	LOWENTHAL RESIDENCE
Address:	222 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0304298 / 2003-11-18
Facility ID:	0304298
Site ID:	278541

LOWENTHAL RESIDENCE (Continued) **S105999454**

Spill Date:	2003-07-23
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-07-23
CID:	322
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-07-23
Spill Record Last Update:	2003-11-18
Spiller Name:	LOWENTHAL
Spiller Company:	Not reported
Spiller Address:	222 UNION AVE
Spiller County:	001
Spiller Contact:	LOWENTHAL
Spiller Phone:	(914) 698-0808
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	226172
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 11/18/03 NETS DISPOSED OF LUST AND 26.11 TONS OF CONTAMINATED SOIL."
Remarks:	"during tank removal contaminated soil found - "

All Materials:

Site ID:	278541
Operable Unit ID:	872553
Operable Unit:	01
Material ID:	505150
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

63
ESE
1/4-1/2
0.271 mi.
1430 ft.

POLE 16
45 CENTURY TRAIL RD
HARRISON, NY

NY LTANKS **S106000017**
NY Spills **N/A**

Relative:
Higher

Actual:
151 ft.

LTANKS:

Name:	LIOR RESIDENCE
Address:	45 CENTURY TRAIL
City,State,Zip:	HARRISON, NY

POLE 16 (Continued) **S106000017**

Spill Number/Closed Date:	0306739 / 2003-12-01
Facility ID:	0306739
Site ID:	208637
Spill Date:	2003-09-25
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-09-25
CID:	282
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-09-25
Spill Record Last Update:	2003-12-01
Spiller Name:	SAME
Spiller Company:	RON LIOR
Spiller Address:	45 CENTURY TRAIL
Spiller County:	001
Spiller Contact:	ALISE BECCARIA
Spiller Phone:	(203) 775-9447
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	173126
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 12/01/03 NETS DISPOSED OF LUST AND 41.78 TONS OF CONTAMINATED SOIL. SAMPLE RESULTS ND."
Remarks:	"THERE WERE HOLES IN THE TOP OF THE TANK.TANK WAS IN THE GROUND TANK SIZE IS 1,000 GALLON. "

All Materials:

Site ID:	208637
Operable Unit ID:	875496
Operable Unit:	01
Material ID:	503927
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	POLE 16
Address:	45 CENTURY TRAIL RD
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0913364 / 2010-03-19

POLE 16 (Continued) **S106000017**

Facility ID:	0913364
Facility Type:	ER
DER Facility ID:	375176
Site ID:	426302
DEC Region:	3
Spill Cause:	Other
Spill Class:	C4
SWIS:	6028
Spill Date:	2010-03-19
Investigator:	JYMCCART
Referred To:	Not reported
Reported to Dept:	2010-03-19
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-03-19
Spill Record Last Update:	2010-03-19
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	ERT
DEC Memo:	"3-19-10 Spoke with Con Ed. Cleanup will be completed. NFA jm"
Remarks:	"approx 3 gallons from overhead tranformer onto soil/asphalt due to stom damage, clean up is pending."

All Materials:

Site ID:	426302
Operable Unit ID:	1181989
Operable Unit:	01
Material ID:	2176130
Material Code:	0541A
Material Name:	dielectric fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	3.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

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64 **ZUCKER** **NY LTANKS** **S102556023**
SE **11 CRICKLEWOOD LA** **N/A**
1/4-1/2 **HARRISON, NY**
0.295 mi.
1557 ft.

Relative:
Lower

Actual:
59 ft.

LTANKS:

Name:	ZUCKER
Address:	11 CRICKLEWOOD LA
City,State,Zip:	HARRISON, NY

ZUCKER (Continued) **S102556023**

Spill Number/Closed Date:	9614522 / 1998-09-28
Facility ID:	9614522
Site ID:	99511
Spill Date:	1997-03-17
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	BUZZELLI
Referred To:	Not reported
Reported to Dept:	1997-03-17
CID:	369
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1997-03-17
Spill Record Last Update:	2003-09-29
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	BESS ZUCKER
Spiller Phone:	(914) 698-7027
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	88419
DEC Memo:	""
Remarks:	"tank failure resulting in contaminated soil of unknown amount "

All Materials:

Site ID:	99511
Operable Unit ID:	1045896
Operable Unit:	01
Material ID:	339631
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

P65 ENE 1/4-1/2 0.338 mi. 1787 ft. | **BOHN - TTF (POOL TANK)**
225 UNION AVE
HARRISON, NY

Site 1 of 2 in cluster P

NY LTANKS | **S118462495**
N/A

Relative: Higher

Actual: 155 ft.

LTANKS:

Name:	BOHN - TTF (POOL TANK)
Address:	225 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1509092 / 2016-12-12
Facility ID:	1509092
Site ID:	517697
Spill Date:	2015-12-07
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2015-12-07
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2015-12-07
Spill Record Last Update:	2016-12-12
Spiller Name:	Dr Bohn
Spiller Company:	Ian Bohn
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	BOHN
Spiller Phone:	(917) 607-3939
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	187471
DEC Memo:	"12-7-15 Spoke to Kathy. Tank failed hissing, popping and dripping. Tech reports 6 of oil/water mix. Owner is Iian Bohn. Left message for Iian to call 3121. jc 12/18/15: Call from prospective buyer Charlie Vicaro at C: 914-874-4278 He states this test was performed for a short sale. New owner Dr Bohn. There are now three spill numbers on this property, including another open TTF from 2011. Message sent to US Tank tech requesting additional information. jod *Email from Kathy at US Tank Tech: The tank we tested 12/07/2015 is a 550-gallon underground fuel oil tank that heats the Pool House behind the Main House. It is a real estate transaction. Current owner we were given is Iian Bohn. That was the only tank we were hired to test. Per the Brokers Mark and Jan Vinikoor, this tank has not been used in 5 or 6 years. Our test failed hissing, popping and dripping. 12/24/15: US Tank Tech's Computer Notes from the 2001 TTF entered into DecDocs. jod 12/12/2016: NES disposed of the leaking UST and a total of 3.88 tons of petroleum contaminated soil. Post excavation soil sample results submitted for review. Report entered into DecDocs. Based upon the information provided, no further action is required at this time.

BOHN - TTF (POOL TANK) (Continued) **S118462495**

	jod"
Remarks:	"550 gal ust"

All TTF:

Facility ID:	1509092
Spill Number:	1509092
Spill Tank Test:	2499777
Site ID:	517697
Tank Number:	UST
Tank Size:	550
Material:	0001
EPA UST:	False
UST:	True
Cause:	99
Source:	00
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	517697
Operable Unit ID:	1266766
Operable Unit:	01
Material ID:	2270721
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

P66 **BINDER - TTF** **NY LTANKS** **S104951157**
ENE **225 UNION AVE** **N/A**
1/4-1/2 **HARRISON, NY**
0.338 mi.
1787 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
155 ft.

LTANKS:

Name:	BINDER - TTF
Address:	225 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0100024 / 2001-06-19
Facility ID:	0100024
Site ID:	227125
Spill Date:	2001-04-02
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	A3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported

BINDER - TTF (Continued) **S104951157**

Reported to Dept:	2001-04-02
CID:	397
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-04-02
Spill Record Last Update:	2015-12-24
Spiller Name:	RESIDENT
Spiller Company:	MICHAEL BINDER
Spiller Address:	225 UNION AVE
Spiller County:	001
Spiller Contact:	RESIDENT
Spiller Phone:	(914) 777-2925
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	187471
DEC Memo:	"06/19/2001 DUTCHESS ENVIRONMENTAL PULLED TANK AND DISPOSED OF 12,750 GALLONS OF CONTAMINATED GROUNDWATER AND 589 TONS OF CONTAMINATED SOIL. NO FURTHER ACTION. 12/24/15: Two additional TTF Spill numbers have been reported for this property. US Tank Tech's computer notes from this Tank Test failure obtained and entered into DecDocs for this Spill number and for Spill 1509092 as well. jod"
Remarks:	"tank test failure alternate number for resident 914 835 4748"

All TTF:

Facility ID:	0100024
Spill Number:	0100024
Spill Tank Test:	1526187
Site ID:	227125
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	227125
Operable Unit ID:	838592
Operable Unit:	01
Material ID:	539300
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

BINDER - TTF (Continued) **S104951157**

Units: G
Recovered: .00
Oxygenate: Not reported

Name: BINDER - TTF/CONTAMIN
Address: 225 UNION AVE
City,State,Zip: HARRISON, NY
Spill Number/Closed Date: 1100743 / 2016-12-12
Facility ID: 1100743
Site ID: 448171
Spill Date: 2011-04-14
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: C5
Cleanup Ceased: Not reported
SWIS: 6028
Investigator: JBODEE
Referred To: Not reported
Reported to Dept: 2011-04-21
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
Meets Standard: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2011-04-21
Spill Record Last Update: 2016-12-12
Spiller Name: Not reported
Spiller Company: Binder Residence
Spiller Address: Not reported
Spiller County: 999
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 3
DER Facility ID: 187471
DEC Memo: "4-21-11 Tank test failure. Sounds like in ullage. jc 4-28-11 Changed to Remediation phase based on O'Mara directive. jc 8/01/13: This tank may have been installed in April of 2001. The previous UST had been leaking and over 500 tons of contaminated soil was removed. See Spill 0100024. No further info received on this TTF to date. jod 12/07/15: A second tank test failure was called in for this property by US Tank Tech, reported as Spill 1509092. jod 12/12/16: See Spill 1509092 for closure report. NFA jod"
Remarks: "unknown status - house listed with real estate broker - repair/cleanup pending"

All TTF:
Facility ID: 1100743
Spill Number: 1100743
Spill Tank Test: 2493977
Site ID: 448171
Tank Number: 1
Tank Size: 550
Material: 0001

BINDER - TTF (Continued) **S104951157**

EPA UST:	False
UST:	True
Cause:	99
Source:	00
Test Method:	NN
Test Method 2:	Testing Not Required
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	448171
Operable Unit ID:	1198408
Operable Unit:	01
Material ID:	2194683
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Q67
West
1/4-1/2
0.362 mi.
1912 ft.

SPILL NUMBER 0302418
30 STONEWALL LANE
MAMARONECK, NY

NY LTANKS **S105999155**
NY Spills **N/A**

Site 1 of 3 in cluster Q

Relative:
Higher

Actual:
178 ft.

LTANKS:

Name:	SPILL NUMBER 0302418
Address:	30 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0302418 / 2003-10-23
Facility ID:	0302418
Site ID:	86870
Spill Date:	2003-06-06
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	A3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-06-06
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	2003-07-24
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-06-06

SPILL NUMBER 0302418 (Continued) **S105999155**

Spill Record Last Update:	2003-10-23
Spiller Name:	OWNER
Spiller Company:	SEIDENBERG RES
Spiller Address:	30 STONEWALL LANE
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	79637
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 06/15/03 ROBISON EXCAVATED TANK AND FOUND CONTAMINATION AND FREE PRODUCT. REPORTED SECOND SPILL AS 03-02766. 07/24/03 DICK LOUIS OF ENVIROSHIELD REPORTS CONTAMINATION GOES UNTO NEIGHBORING PROPERTY. 10/23/03 ENVIROSHIELD DISPOSED OF LUST, 5,100 GALLONS OF CONTAMINATED GROUND WATER, AND 367.63 TONS OF CONTAMINATED SOIL. SOME RESIDUAL CONTAMINATION COULD NOT BE REMOVED BUT FINAL SAMPLE RESULTS WERE BENEATH TAGM LIMITS. NFA REQUIRED."
Remarks:	""

All TTF:

Facility ID:	0302418
Spill Number:	0302418
Spill Tank Test:	1528434
Site ID:	86870
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	86870
Operable Unit ID:	870163
Operable Unit:	01
Material ID:	506895
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	SEIDENBERG RESIDENCE
Address:	30 STONEWALL LANE

SPILL NUMBER 0302418 (Continued) **S105999155**

City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0302766 / 2003-10-23
Facility ID:	0302766
Facility Type:	ER
DER Facility ID:	79637
Site ID:	103617
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	A3
SWIS:	6032
Spill Date:	2003-06-15
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-06-15
CID:	365
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2003-07-24
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-06-15
Spill Record Last Update:	2003-10-23
Spiller Name:	PAUL SEIDENBERG
Spiller Company:	Not reported
Spiller Address:	30 STONEWALL LN
Spiller Company:	001
Contact Name:	PAUL SEIDENBERG
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 06/17/03 ALSO REPORTED AS 0302418. 10/23/03 ENVIROSHIELD DISPOSED OF LUST AND 367.63 TONS OF CONTAMINATED SOIL. SEE SPILL 0302418 FOR CLOSURE REPORT. NFA REQUIRED."
Remarks:	"Mike Praileau is on scene 914-490-9216 - tank is 1/4 dug up - oil around tank "

All Materials:

Site ID:	103617
Operable Unit ID:	869582
Operable Unit:	01
Material ID:	507220
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Q68
WSW
1/4-1/2
0.363 mi.
1916 ft.

SPILL NUMBER 0310047
25 STONEWALL LANE
MAMARONECK, NY

Site 2 of 3 in cluster Q

NY LTANKS **S106124426**
N/A

Relative:
Higher

Actual:
182 ft.

LTANKS:

Name:	SPILL NUMBER 0310047
Address:	25 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0310047 / 2004-09-09
Facility ID:	0310047
Site ID:	331462
Spill Date:	2003-11-26
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-11-26
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	Not reported
Spill Record Last Update:	2004-09-09
Spiller Name:	MARK TSCHANTRE
Spiller Company:	RESIDENCE
Spiller Address:	25 STONEWALL LANE
Spiller County:	001
Spiller Contact:	MARK TSCHANTRE
Spiller Phone:	(914) 804-3296
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	266594
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 09/09/04 ROYAL ENVIRONMENTAL DISPOSED OF LUST AND CONTAMINATED SOIL. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jbo"
Remarks:	"while removing the tank land owner spotted a small leak"

All Materials:

Site ID:	331462
Operable Unit ID:	877709
Operable Unit:	01
Material ID:	498996
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

R69 WSW 1/4-1/2 0.385 mi. 2033 ft. | **16 FAIRWAY DRIVE**
16 FAIRWAY DRIVE
MAMARONECK, NY

Site 1 of 6 in cluster R

NY LTANKS | **S105996974**
N/A

Relative: Higher

Actual: 186 ft.

LTANKS:

Name:	16 FAIRWAY DRIVE
Address:	16 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0207106 / 2003-02-19
Facility ID:	0207106
Site ID:	325410
Spill Date:	2002-10-09
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-10-09
CID:	204
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-10-09
Spill Record Last Update:	2003-02-19
Spiller Name:	MR SAHAI
Spiller Company:	16 FAIRWAY DRIVE
Spiller Address:	16 FAIRWAY DRIVE
Spiller County:	001
Spiller Contact:	RICHARD RAPPAPORT
Spiller Phone:	(914) 761-8020
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	262125
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/09/02: 1,000 GAL UST EXCAVATED AND FUEL OIL IN GROUNDWATER AT LOCATION. ADVANCED ENV. WILL FINISH JOB & SEND REPORT. 02/19/03 ADVANCED DISPOSED OF 7.8 TONS OF CONTAMIN SOIL. EXIT SAMPLES ONLY TESTED FOR TPH. "
Remarks:	"MIXED WITH GROUNDWATER"

All Materials:

Site ID:	325410
Operable Unit ID:	859924
Operable Unit:	01
Material ID:	517691
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00

16 FAIRWAY DRIVE (Continued) **S105996974**

Oxygenate: Not reported

R70 WSW 1/4-1/2 0.385 mi. 2034 ft. **SPILL NUMBER 0007985 3 BOBBY CLOSE MAMARONECK, NY** **NY LTANKS** **S104782467 N/A**

Site 2 of 6 in cluster R

Relative: Higher

Actual: 187 ft.

LTANKS:

Name:	SPILL NUMBER 0007985
Address:	3 BOBBY CLOSE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0007985 / 2001-01-23
Facility ID:	0007985
Site ID:	193628
Spill Date:	2000-10-06
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-10-06
CID:	199
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-10-06
Spill Record Last Update:	2001-02-06
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	BRENDA CUMMINGS
Spiller Phone:	(914) 328-6549
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	161442
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 10/06/2000 APPROXIMATELY 7 TONS OF SOIL DISPOSED OF. CLOSURE REPORT TO BE SUBMITTED TO TT. 01/23/2001 ROYAL ENVIRONMENTAL COMPLETED WORK. DISPOSED OF 7.35 TONS OF CONTAMINATED SOIL. NO FURTHER ACTION REQUIRED."
Remarks:	"caller took over the tank removal job from another company (unk at this time) - when they found contaminated soil they were advised that the other company called for a spill number - however it was found that no one ever called in the spill - all contaminated soil removed by caller "

All Materials:

Site ID:	193628
Operable Unit ID:	830461

SPILL NUMBER 0007985 (Continued) **S104782467**

Operable Unit:	01
Material ID:	545502
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

S71 **PVT DWELLING** **NY LTANKS** **S111063851**
East **36 CENTURY TRAIL** **N/A**
1/4-1/2 **HARRISON, NY**
0.387 mi.
2043 ft. **Site 1 of 3 in cluster S**

Relative:
Lower

Actual:
99 ft.

LTANKS:

Name:	PVT DWELLING
Address:	36 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1102592 / 2011-08-22
Facility ID:	1102592
Site ID:	450111
Spill Date:	2011-06-07
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2011-06-07
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2011-06-07
Spill Record Last Update:	2011-08-22
Spiller Name:	Not reported
Spiller Company:	LEROUX
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	LEROUX
Spiller Phone:	(914) 315-1920
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	404701
DEC Memo:	"6-7-11 Spoke with Kathy. House is being sold. Tank test being performed for buyer. Broker for buyer is Joe Stilo 914-588-8916. Kathy informed both brokers of their options. Called and spoke with broker - Joe. Property owners have Proguard insurance and have notified them of tank test failure. Broker for homeowners is Donna

PVT DWELLING (Continued) **S111063851**

914-282-3274. They will be making a decision right away about their next step. jm 6/20/11: Residential TTF. No indication of a leak at this time. jod 7/26/11 Received a call from Kathy, tank was uncovered, repaired and retested and it failed again. Owner has ProGuard insurance. Hudson Valley Environmental Construction is going to remove tank...mm 08/19/11 Hudson Valley Environmental Construction reported that the tank was removed and that no contaminated soil was noted in the excavation. post excavation soil sample results were below DEC guidance values. NFA TG"

Remarks: "1000 gal ust"

All Materials:

Site ID:	450111
Operable Unit ID:	1200311
Operable Unit:	01
Material ID:	2196735
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

R72
WSW
1/4-1/2
0.387 mi.
2046 ft.

SPILL NUMBER 0012648
21 FAIRWAY DR
MAMARONECK, NY

NY LTANKS **S104950630**
N/A

Site 3 of 6 in cluster R

Relative:
Higher

Actual:
187 ft.

LTANKS:

Name:	SPILL NUMBER 0012648
Address:	21 FAIRWAY DR
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0012648 / 2001-06-26
Facility ID:	0012648
Site ID:	222362
Spill Date:	2001-02-27
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	WCHD
Referred To:	Westchester Cnty Health Dept
Reported to Dept:	2001-02-27
CID:	270
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-02-27
Spill Record Last Update:	2003-09-29

SPILL NUMBER 0012648 (Continued) **S104950630**

Spiller Name:	MARIE GOLDFARB
Spiller Company:	MR GOLDFARB
Spiller Address:	21 FAIRWAY DR
Spiller County:	001
Spiller Contact:	MARIE GOLDFARB
Spiller Phone:	(914) 698-0210
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	183856
DEC Memo:	""
Remarks:	"no comments"

All TTF:

Facility ID:	0012648
Spill Number:	0012648
Spill Tank Test:	1526120
Site ID:	222362
Tank Number:	Not reported
Tank Size:	1500
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	16
Test Method 2:	Tracer Tight
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	222362
Operable Unit ID:	834192
Operable Unit:	01
Material ID:	542911
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

R73 **MENDELSON RESIDENCE** **NY LTANKS** **S100142012**
WSW **14 FAIRWAY DRIVE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.388 mi.
2049 ft. **Site 4 of 6 in cluster R**

Relative:
Higher

Actual:
187 ft.

LTANKS:

Name:	MENDELSON RESIDENCE
Address:	14 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9011575 / 1991-02-06
Facility ID:	9011575

MENDELSON RESIDENCE (Continued) **S100142012**

Site ID:	307297
Spill Date:	1991-02-04
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	1991-02-05
SWIS:	6032
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1991-02-04
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1991-02-05
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-02-06
Spill Record Last Update:	1991-02-19
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	248168
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 02/19/91: CONTAMINATED SOIL HAD BEEN REMOVED AND STOCKPILED. SOME GROUNDWATER WITH A SMALL AMOUNT OF SURFACE OIL WAS PRESENT. CONKLIN CALLED FOR AVAC TRUCK BEFORE THE NEW TANK WAS INSTALLED. "
Remarks:	"13 YEAR OLD TANK HAD LEAK SOIL EXCAVATED WILL DISPOSE"

All Materials:

Site ID:	307297
Operable Unit ID:	948598
Operable Unit:	01
Material ID:	428112
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

R74 WSW 1/4-1/2 0.392 mi. 2070 ft. | **ABRAHAM RESIDENCE 4 BOBBY CLOSE MAMARONECK, NY** | **NY LTANKS** | **S108298576 N/A**

Site 5 of 6 in cluster R

Relative: Higher

Actual: 188 ft.

LTANKS:

Name:	ABRAHAM RESIDENCE
Address:	4 BOBBY CLOSE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0607824 / 2007-03-23
Facility ID:	0607824
Site ID:	371644
Spill Date:	2006-10-10
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	B4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2006-10-10
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2006-10-10
Spill Record Last Update:	2007-03-23
Spiller Name:	VALERIE ABRAHAMS
Spiller Company:	ABRAHAM RESIDENCE
Spiller Address:	4 BOBBY CLOSE ROAD
Spiller County:	001
Spiller Contact:	VALERIE ABRAHAMS
Spiller Phone:	(914) 777-8206
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	321398
DEC Memo:	"Waiting for insurance company action. Will be in contact with J.O'Dee. 11/17/06 Northeast Environmental reported that the LUST was removed along with 21.67 tons of PCS. NFA TG"
Remarks:	"1000 gallon tank had holes and contaminated soil"

All Materials:

Site ID:	371644
Operable Unit ID:	1129401
Operable Unit:	01
Material ID:	2119063
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

75 ESE 1/4-1/2 0.395 mi. 2088 ft. | **GOLDSTEIN HOME**
6 PALMA DRIVE
HARRISON, NY | **NY LTANKS** | **S106972106**
N/A

Relative: Lower

Actual: 99 ft.

LTANKS:

Name:	GOLDSTEIN HOME
Address:	6 PALMA DRIVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0503666 / 2005-09-11
Facility ID:	0503666
Site ID:	348298
Spill Date:	2005-06-27
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2005-06-27
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-06-27
Spill Record Last Update:	2005-12-07
Spiller Name:	JUDY GOLDSTEIN
Spiller Company:	GOLDSTEIN HOME
Spiller Address:	6 PALMER DRIVE
Spiller County:	001
Spiller Contact:	JUDY GOLDSTEIN
Spiller Phone:	(914) 835-2421
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	294666
DEC Memo:	"06/27/05: Holes in tank & contaminated soil found. September 11, 2005: ENVIROSHIELD DISPOSED OF LUST AND 38.05 TONS OF CONTAMINATED SOIL. SOME RESIDUAL CONTAMINATION COULD NOT BE REMOVED DUE TO STRUCTURAL CONSIDERATIONS. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jod"
Remarks:	"LEAKING TANK: PROPOSING TO CLEAN UP NO GROUNDWATER EFFECTED:"

All Materials:

Site ID:	348298
Operable Unit ID:	1105955
Operable Unit:	01
Material ID:	1968450
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00

GOLDSTEIN HOME (Continued) **S106972106**

Oxygenate: Not reported

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76 SSE 1/4-1/2 0.398 mi. 2101 ft. | **MERVINE RESIDENCE**
18 BRAXMAR DRIVE SOUTH
HARRISON, NY | **NY LTANKS** | **S106000006**
N/A

Relative: Lower

Actual: 66 ft.

LTANKS:

Name:	MERVINE RESIDENCE
Address:	18 BRAXMAR DRIVE SOUTH
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0306683 / 2004-02-02
Facility ID:	0306683
Site ID:	178255
Spill Date:	2003-09-24
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-09-24
CID:	281
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-09-24
Spill Record Last Update:	2004-02-02
Spiller Name:	SAME
Spiller Company:	DAVID MERVINE
Spiller Address:	SAME
Spiller County:	001
Spiller Contact:	STEVEN JONES
Spiller Phone:	(203) 384-6020
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	149719
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/02/04 CTR DISPOSED OF LUST AND 7.74 TONS OF CONTAMINATED SOIL. SAMPLE RESULTS BELOW TAGM LIMITS. NFA jbo"
Remarks:	"Soil contamintion discovered during tank removal at above location. Tank has been removed and cleanup is pending insurance company approval."

All Materials:

Site ID:	178255
Operable Unit ID:	873113
Operable Unit:	01
Material ID:	503874
Material Code:	0001A
Material Name:	#2 fuel oil

MERVINE RESIDENCE (Continued) **S106000006**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Q77 **TTF** **NY LTANKS** **S113820389**
WSW **26 STONEWALL LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.402 mi.
2120 ft. **Site 3 of 3 in cluster Q**

Relative:
Higher

Actual:
181 ft.

LTANKS:

Name:	TTF
Address:	26 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	1304672 / 2013-11-19
Facility ID:	1304672
Site ID:	485206
Spill Date:	2013-07-29
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2013-07-29
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2013-07-29
Spill Record Last Update:	2013-11-19
Spiller Name:	Not reported
Spiller Company:	ZARKIN
Spiller Address:	26 STONEWALL LANE
Spiller County:	999
Spiller Contact:	SHERRY PALEY
Spiller Phone:	917-359-9052
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	440359
DEC Memo:	"Spoke to homeowner. House is for sale, have a buyer. The tank is scheduled to be removed by Northeast Env the first week of September. Homeowner has ProGuard Ins...mm 9/09/13: UST removed by Northeast. Tank is leaking, contaminated soil evident. A second Spill number of 1305871 was reported. jod 11/19/2013: Tank Closure Report from Northeast Environmental reviewed and entered into EDocs. Based upon information provided, no further action required at this time. jod"
Remarks:	""

TTF (Continued) **S113820389**

All TTF:

Facility ID:	1304672
Spill Number:	1304672
Spill Tank Test:	2493965
Site ID:	485206
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	False
UST:	True
Cause:	03
Source:	01
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	485206
Operable Unit ID:	1234875
Operable Unit:	01
Material ID:	2233966
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

78
ENE
1/4-1/2
0.405 mi.
2136 ft.

RESIDENCE
210 UNION AVE
HARRISON, NY

NY LTANKS **S104621430**
N/A

Relative:
Higher

Actual:
152 ft.

LTANKS:

Name:	RESIDENCE
Address:	210 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0000678 / 2000-07-27
Facility ID:	0000678
Site ID:	117298
Spill Date:	2000-04-17
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2000-04-17
CID:	252

RESIDENCE (Continued) **S104621430**

Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2000-04-17
Spill Record Last Update:	2000-07-31
Spiller Name:	MR PERMUTT
Spiller Company:	RESIDENCE
Spiller Address:	210 UNION AVE
Spiller County:	001
Spiller Contact:	MR PERMUTT
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	102051
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE "
Remarks:	"ULLAGE FAILURE-RECOMMEND TO ISOLATE TANK AND RE-TEST."

All TTF:

Facility ID:	0000678
Spill Number:	0000678
Spill Tank Test:	1525501
Site ID:	117298
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	117298
Operable Unit ID:	822344
Operable Unit:	01
Material ID:	288918
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

79 West 1/4-1/2 0.414 mi. 2184 ft. | **FIELDS RESIDENCE**
28 STONEWALL LANE
MAMARONECK, NY | **NY LTANKS** | **S106000138**
N/A

Relative: Higher

Actual: 170 ft.

LTANKS:

Name:	FIELDS RESIDENCE
Address:	28 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0307225 / 2004-02-02
Facility ID:	0307225
Site ID:	146551
Spill Date:	2003-10-09
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2003-10-09
CID:	216
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-10-09
Spill Record Last Update:	2004-02-02
Spiller Name:	HARRY FIELDS
Spiller Company:	HARRY FIELDS
Spiller Address:	28 STONEWALL LANE
Spiller County:	001
Spiller Contact:	SUSAN HOWARD
Spiller Phone:	(800) 394-2268
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	124795
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/02/04 MADISON DISPOSED OF LUST AND 12.5 TONS OF CONTAMINATED SOIL. SOME RESIDUAL CONTAMINATION COULD NOT BE EXCAVATED DUE TO STRUCTURAL CONSIDERATIONS. SAMPLE RESULTS BELOW TAGM LIMITS. CLOSURE REPORT FROM HYDRO ENVIRONMENTAL SOLUTIONS. NFA jbo"
Remarks:	"SPILL UNDERGROUND TANK UNK AMMONT IN SOIL 275 GALLON TANK TANK WAS REMOVED "

All Materials:

Site ID:	146551
Operable Unit ID:	873781
Operable Unit:	01
Material ID:	500780
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G

FIELDS RESIDENCE (Continued) **S106000138**

Recovered: .00
Oxygenate: Not reported

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80 SSE 1/4-1/2 0.418 mi. 2205 ft. **GEISMAR - SEIDEN RESIDENCE**
87 WINFIELD AVE
HARRISON, NY

NY LTANKS **S111836508**
N/A

Relative: Lower
Actual: 48 ft.

LTANKS:

Name:	GEISMAR - SEIDEN RESIDENCE
Address:	87 WINFIELD AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1200715 / 2012-06-15
Facility ID:	1200715
Site ID:	463368
Spill Date:	2012-04-23
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2012-04-23
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2012-04-23
Spill Record Last Update:	2012-06-15
Spiller Name:	JACK HUGHES
Spiller Company:	GEIGMAN - SEIDEN RESIDENCE
Spiller Address:	87 WINFIELD AVE
Spiller County:	999
Spiller Contact:	JACK HUGHES
Spiller Phone:	914472-7700
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	417767
DEC Memo:	"4/23/12: Residential TTF, unregulated UST, unknown age. Tank was tested for prospective buyer in pending real estate transaction. Current plan of action is to excavate, inspect, repipe and retest. jod 6/5/2012 -- Tank was retested and passed. Once we get that report, spill can be closed. ELM 6/12/12: On June 1st I received an e-mail from Paul Scorzelli of Accurate Tank Testing: >>> li >paulsaccurate@aol.com> 6/1/2012 8:39 AM >>> Good morning John, I'm sending a copy of tank test report as per your request.This tank was tested by another company originally and failed. The owner Mr.Seiden called me in to retest and it passed. Please see attachments for your copy of tightness test.The Spill # is12-00715 please get back to me on what needs to be done as far as getting the spill # closed.Thanks. *The attachment to his e-mail was not a copy of the passing tank

GEISMAR - SEIDEN RESIDENCE (Continued) **S111836508**

test. It was a spread sheet listing the serial numbers and calibration expiration dates of his testing equipment. I replied to his e-mail requesting a copy of the passing tank test results. jod 6/15/12: I received the retest results - they will be scanned into edocs. Based upon the limited information received, no further action is required at this time. jod"

Remarks: "retest planned"

All Materials:

Site ID:	463368
Operable Unit ID:	1213464
Operable Unit:	01
Material ID:	2211425
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

R81
WSW
1/4-1/2
0.418 mi.
2206 ft.

SPILL NUMBER 0201855
12 FAIRWAY DRIVE
MAMARONECK, NY

NY LTANKS **S105995912**
N/A

Site 6 of 6 in cluster R

Relative:
Higher

Actual:
188 ft.

LTANKS:

Name:	SPILL NUMBER 0201855
Address:	12 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0201855 / 2003-01-28
Facility ID:	0201855
Site ID:	227808
Spill Date:	2002-05-20
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-05-21
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-05-21
Spill Record Last Update:	2003-01-28
Spiller Name:	OWNER
Spiller Company:	SANJIV NAYAR
Spiller Address:	12 FAIRWAY DRIVE

SPILL NUMBER 0201855 (Continued) **S105995912**

Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	187994
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 01/28/03 ADVANCED DISPOSED OF 3.33 TONS CONTAMIN SOIL. NFA"
Remarks:	"PULLED TANK AND FOUND CONTAMINATED SOIL. GROUND WATER AND FREE PRODUCT."

All Materials:

Site ID:	227808
Operable Unit ID:	852826
Operable Unit:	01
Material ID:	523269
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

S82 **CHESKIS RESIDENCE** **NY LTANKS** **S111836549**
East **34 CENTURY TRAIL** **NY Spills** **N/A**
1/4-1/2 **HARRISON, NY**
0.420 mi.
2218 ft. **Site 2 of 3 in cluster S**

Relative:
Lower

Actual:
78 ft.

LTANKS:

Name:	CHESKIS
Address:	34 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1201343 / 2012-12-12
Facility ID:	1201343
Site ID:	464037
Spill Date:	2012-05-10
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2012-05-10
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2012-05-10
Spill Record Last Update:	2012-12-12

CHESKIS RESIDENCE (Continued) **S111836549**

Spiller Name:	Not reported
Spiller Company:	CHESKIS
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	CHESKIS
Spiller Phone:	914-835-0065
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	418432
DEC Memo:	"5/10/12- Spoke to owner, Herb Cheskis. He reports that Robison Oil is handling next step. Advised him that DEC must be contacted with what will be done; retest or removal. DT Tank removed by Castlton Environmental. See Spill 1204010. NFA. TG"
Remarks:	"1000gal ust"

All Materials:

Site ID:	464037
Operable Unit ID:	1214117
Operable Unit:	01
Material ID:	2212136
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

SPILLS:

Name:	CHESKIS RESIDENCE
Address:	34 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1204010 / 2016-04-07
Facility ID:	1204010
Facility Type:	ER
DER Facility ID:	418432
Site ID:	466867
DEC Region:	3
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	6028
Spill Date:	2012-07-24
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2012-07-24
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

CHESKIS RESIDENCE (Continued) **S111836549**

Date Entered In Computer:	2012-07-24
Spill Record Last Update:	2016-04-07
Spiller Name:	Not reported
Spiller Company:	PROPERTY OWNER
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	JESSE DEGORANOMO
DEC Memo:	"7-24-12 Spoke with Jennifer. She says this is a 1k UST that was removed. Homeowners are checking with insurance company for coverage. Jennifer also says that T of Harrison bldg was on site for inspection during removal. Cleanup on hold until this is determined. jm Previously reported as TTF Spill 1201343. jod 4/07/16: Closure report is in EDocs/DecDocs. Submitted in November of 2012. Documenting disposal of 64 tons of contaminated soil. jod"
Remarks:	"cleanup pending"

All Materials:

Site ID:	466867
Operable Unit ID:	1216844
Operable Unit:	01
Material ID:	2215056
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

83
ESE
1/4-1/2
0.422 mi.
2227 ft.

ALBILIA RESIDENCE
37 ROLLING HILLS LANE
HARRISON, NY

NY LTANKS **S110309456**
N/A

Relative:
Lower

Actual:
118 ft.

LTANKS:

Name:	ALBILIA RESIDENCE
Address:	37 ROLLING HILLS LANE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1000212 / 2010-09-03
Facility ID:	1000212
Site ID:	431373
Spill Date:	2010-04-06
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D5
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2010-04-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False

ALBILIA RESIDENCE (Continued) **S110309456**

Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2010-04-06
Spill Record Last Update:	2010-09-03
Spiller Name:	JIM ROOD
Spiller Company:	ALBILIA
Spiller Address:	37 ROLLING HILLS LANE
Spiller County:	999
Spiller Contact:	JIM ROOD
Spiller Phone:	(845) 228-0076
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	380343
DEC Memo:	"4/6/10 - Tank test failure. Property owner needs to notified about failure. Most likely tank will be romved. KAB 08/04/10 Northeast Environmental reported that they excavated and removed the tank along with 21.57 tons of petroleum contaminated soil. Poste excavation TAGM soil sample results were below DEC gudiance values. NFA. TG"
Remarks:	"tank removal pending"

All Materials:

Site ID:	431373
Operable Unit ID:	1182825
Operable Unit:	01
Material ID:	2177029
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

S84 **QUITTEL / REAL ESTATE - TTF** **NY LTANKS** **S118462564**
East **35 CENTURY TRAIL** **N/A**
1/4-1/2 **HARRISON, NY**
0.422 mi.
2228 ft. **Site 3 of 3 in cluster S**

Relative:
Lower

Actual:
78 ft.

LTANKS:

Name:	QUITTEL / REAL ESTATE - TTF
Address:	35 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1510698 / 2016-03-22
Facility ID:	1510698
Site ID:	522394
Spill Date:	2016-02-03
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2016-02-03

QUITTEL / REAL ESTATE - TTF (Continued) **S118462564**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2016-02-03
Spill Record Last Update:	2016-03-22
Spiller Name:	ROBIN QUITTEL
Spiller Company:	Quittel Estate
Spiller Address:	35 CENTURY TRAIL
Spiller County:	999
Spiller Contact:	ROBIN QUITTEL
Spiller Phone:	(646) 422-9744
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	476664
DEC Memo:	"2-3-16: Spoke with Robin - homeowner. Potential buyer was testing tank. This is her fathers home who recently passed away. She says that this tank was just tested (and passed) on 11 May 2015 by ATS just before the house was going on the market. She was given contractor names (Northeast Env and Madison Env) by U S Tank. Told her to have contractor contact DEC as work moves forward. jm 3/22/16: Madison Environmental disposed of the leaking UST and approximately 5.79 tons of petroleum contaminated soil. Soil sample results submitted for review. Tank Closure Report entered into DecDocs system. Based upon the information provided, no further action is required at this time. jod"
Remarks:	"unknown retest"

All TTF:

Facility ID:	1510698
Spill Number:	1510698
Spill Tank Test:	2499881
Site ID:	522394
Tank Number:	UST
Tank Size:	1000
Material:	0001
EPA UST:	False
UST:	True
Cause:	99
Source:	00
Test Method:	21
Test Method 2:	Horner EZY3/EZY3 Locator Plus
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	JBODEE
Last Modified Date:	Not reported

All Materials:

Site ID:	522394
Operable Unit ID:	1271408
Operable Unit:	01
Material ID:	2275626
Material Code:	0001A

QUITTEL / REAL ESTATE - TTF (Continued) **S118462564**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

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85 ENE 1/4-1/2 0.431 mi. 2275 ft. **RESIDENTIAL - TTF 5 CENTURY TRAIL HARRISON, NY** **NY LTANKS** **S118707778 N/A**

Relative: Higher

Actual: 153 ft.

LTANKS:

Name:	RESIDENTIAL - TTF
Address:	5 CENTURY TRAIL
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1603305 / 2016-08-16
Facility ID:	1603305
Site ID:	529759
Spill Date:	2016-07-06
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2016-07-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2016-07-06
Spill Record Last Update:	2016-08-16
Spiller Name:	Not reported
Spiller Company:	Unnamed
Spiller Address:	5 CENTURY TRAIL
Spiller County:	999
Spiller Contact:	JAMES Rood
Spiller Phone:	(845) 228-0076
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	483859
DEC Memo:	"Jim Rood is assisting the homeowner and helping make decisions regarding what should be done for the sale...mm 8/16/16: UST removed by Lighthouse Environmental. No evidence of a leak or of significant contamination was found. Closure documentation entered into the DecDocs. Based upon the available information, no further action is required at this time. jod"
Remarks:	"tank test failure"

RESIDENTIAL - TTF (Continued) **S118707778**

All Materials:

Site ID:	529759
Operable Unit ID:	1278579
Operable Unit:	01
Material ID:	2283499
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

86
North
1/4-1/2
0.431 mi.
2275 ft.

NYS DOT
PURDY AVE
WHITE PLAINS, NY

NY LTANKS **S100165929**
N/A

Relative:
Lower

Actual:
77 ft.

LTANKS:

Name:	NYS DOT
Address:	PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9309143 / 1994-03-14
Facility ID:	9309143
Site ID:	297450
Spill Date:	1993-10-28
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1994-03-14
SWIS:	6017
Investigator:	wxwadswo
Referred To:	Not reported
Reported to Dept:	1993-10-28
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1993-11-08
Spill Record Last Update:	1994-05-26
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	240656
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was

NYS DOT (Continued) **S100165929**

Remarks:	W. WADSWORTH 09/27/95: This is additional information about material spilled from the translation of the old spill file: TANK TEST." "E.I.R. TANK AUDITOR GROSS"

All TTF:

Facility ID:	9309143
Spill Number:	9309143
Spill Tank Test:	1542139
Site ID:	297450
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	297450
Operable Unit ID:	990685
Operable Unit:	01
Material ID:	391807
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Name:	NYS DOT
Address:	PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	8801770 / 1989-01-24
Facility ID:	8801770
Site ID:	201435
Spill Date:	1988-05-26
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	1989-01-12
SWIS:	6000
Investigator:	jeokesso
Referred To:	Not reported
Reported to Dept:	1988-05-26
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	1989-01-12

NYS DOT (Continued) **S100165929**

Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1988-06-02
Spill Record Last Update:	1989-01-24
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	167593
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was OKESSON "
Remarks:	"4K FAILED AT .094 1K AT .520 GPH. PBS TO FOLLOW."

All TTF:

Facility ID:	8801770
Spill Number:	8801770
Spill Tank Test:	1533980
Site ID:	201435
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	201435
Operable Unit ID:	917235
Operable Unit:	01
Material ID:	568018
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

T87 WSW 1/4-1/2 0.455 mi. 2403 ft. | **SPILL NUMBER 0110714**
9 FAIRWAY DRIVE
MAMARONECK, NY

Site 1 of 2 in cluster T

NY LTANKS | **S105995132**
N/A

Relative: Higher

Actual: 184 ft.

LTANKS:

Name:	SPILL NUMBER 0110714
Address:	9 FAIRWAY DRIVE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0110714 / 2002-02-27
Facility ID:	0110714
Site ID:	150910
Spill Date:	2002-02-08
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-02-08
CID:	322
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-02-08
Spill Record Last Update:	2002-03-25
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	9 FAIRWAY DRIVE
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	128254
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 02/27/2002 TANK PULLED BY TANK DOCTOR. NO LEAK OR CONTAMINATION EVIDENT. NO FURTHER ACTION."
Remarks:	"tank test failure"

All TTF:

Facility ID:	0110714
Spill Number:	0110714
Spill Tank Test:	1526865
Site ID:	150910
Tank Number:	1
Tank Size:	1000
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II

SPILL NUMBER 0110714 (Continued) **S105995132**

Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	150910
Operable Unit ID:	849200
Operable Unit:	01
Material ID:	528334
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

88
WSW
1/4-1/2
0.458 mi.
2418 ft.

MENTA RESIDENCE
15 STONEWALL LANE
MAMARONECK, NY

NY LTANKS **S109064247**
N/A

Relative:
Higher

Actual:
180 ft.

LTANKS:

Name:	MENTA RESIDENCE
Address:	15 STONEWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0800586 / 2008-05-28
Facility ID:	0800586
Site ID:	396362
Spill Date:	2008-04-15
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	TDGHIOSA
Referred To:	Not reported
Reported to Dept:	2008-04-15
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-04-15
Spill Record Last Update:	2008-05-28
Spiller Name:	BRENDA CUMMINGS
Spiller Company:	PRIVATE HOME
Spiller Address:	15 STONEWALL LANE
Spiller County:	001
Spiller Contact:	BRENDA CUMMINGS

MENTA RESIDENCE (Continued) **S109064247**

Spiller Phone:	(914) 328-6549
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	345853
DEC Memo:	"05/21/08 Royal Environmental Services Corp reported that they excavated and removed one 1,000 gallon tank along with 11.25 tons of petroleum contaminated soil. Post excavation TAGM soil sample results were below DEC guidance values. NFA. TG"
Remarks:	"HOLES AND CONTAMINATED SOIL"

All TTF:

Facility ID:	0800586
Spill Number:	0800586
Spill Tank Test:	2453510
Site ID:	396362
Tank Number:	Not reported
Tank Size:	1000
Material:	Not reported
EPA UST:	Not reported
UST:	True
Cause:	03
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

Facility ID:	0800586
Spill Number:	0800586
Spill Tank Test:	2453511
Site ID:	396362
Tank Number:	Not reported
Tank Size:	0
Material:	0001
EPA UST:	Not reported
UST:	False
Cause:	Not reported
Source:	01
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

All Materials:

Site ID:	396362
Operable Unit ID:	1153320
Operable Unit:	01
Material ID:	2144085
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00

MENTA RESIDENCE (Continued) **S109064247**

Units: G
Recovered: .00
Oxygenate: Not reported

T89 WSW 1/4-1/2 0.460 mi. 2427 ft. | **MRS MALCOLM**
3 BARNWALL LANE
MAMARONECK, NY | **NY LTANKS** **S103563592**
NY Spills **N/A**

Site 2 of 2 in cluster T

Relative: Higher

Actual: 186 ft.

LTANKS:

Name:	MALCOLM
Address:	3 BARNWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	1100709 / 2011-06-07
Facility ID:	1100709
Site ID:	448126
Spill Date:	2011-04-20
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2011-04-20
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2011-04-20
Spill Record Last Update:	2011-06-07
Spiller Name:	ADRIAN MALCOLM
Spiller Company:	ADRIAN
Spiller Address:	3 BARNWALL LANE
Spiller County:	999
Spiller Contact:	ADRIAN MALCOLM
Spiller Phone:	(212) 879-4434
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	172480
DEC Memo:	"4-20-11: V.Mc. call to Ms.MALCOLM: UST is aprx. 15 years old. Problem wiht old tank, was replaced with this tank. Poss. re-test to be done. Reqested callbk. if tank passes re-test. 6/7/2011: Advanced Environmental removed and disposed of tank. No evidence of leak or contamination was found. See eDocs. Based upon information provided to DEC, no further action is required at this time. jod"
Remarks:	"550g."

All Materials:

Site ID:	448126
Operable Unit ID:	1198374
Operable Unit:	01

MRS MALCOLM (Continued) **S103563592**

Material ID:	2194644
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

SPILLS:

Name:	MRS MALCOLM
Address:	3 BARNWALL LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9009151 / 1991-01-15
Facility ID:	9009151
Facility Type:	ER
DER Facility ID:	172480
Site ID:	207851
DEC Region:	3
Spill Cause:	Other
Spill Class:	C3
SWIS:	6032
Spill Date:	1990-11-20
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1990-11-20
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1990-11-26
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-11-29
Spill Record Last Update:	2011-06-07
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY 01/15/91: LUZON REMOVED THE TANK AND THE CONTAMINATED SOIL FROM THE SITE. "
Remarks:	"SERVICE CALL WATER IN TANK (UNDERGROUND) DUE TO WATER MAIN BREAK WATERSEEPING INTO TANK CAUSING OVERFLOW SORBANTS USED SLIGHT SHEEN ROBISON GIVING HER TEMP.BACK UP INDEP.CONTRACTOR TO DO WATER MAIN WK"

All Materials:

Site ID:	207851
Operable Unit ID:	949651
Operable Unit:	01
Material ID:	432918

MRS MALCOLM (Continued) **S103563592**

Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

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90 SE 1/4-1/2 0.473 mi. 2496 ft. | **RESIDENCE 395 WEST ST HARRISON, NY** | **NY LTANKS** | **S105230151 N/A**

Relative: Lower

Actual: 64 ft.

LTANKS:

Name:	KOTIZAN
Address:	395 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0111356 / 2005-02-02
Facility ID:	0111356
Site ID:	259700
Spill Date:	2002-02-28
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6000
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2002-03-01
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-03-01
Spill Record Last Update:	2005-02-02
Spiller Name:	ANNE KOTIZAN
Spiller Company:	Not reported
Spiller Address:	395 WEST ST
Spiller County:	001
Spiller Contact:	ANDY CALDERONE
Spiller Phone:	(914) 593-0281
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	212380
DEC Memo:	"ALSO SPILL 01-09451. 02/02/05 ENVIROGUIDE DISPOSED OF LUST AND 6 DRUMS OF CONTAMINATED SOIL. BASED UPON INFORMATION PROVIDED TO DEC, NO FURTHER ACTION IS REQUIRED AT THIS TIME. jbo"
Remarks:	"CALLER DID TANK REMOVAL AND DISCOVERED SOIL CONTAMINATION"

All Materials:

Site ID:	259700

RESIDENCE (Continued) **S105230151**

Operable Unit ID:	848423
Operable Unit:	01
Material ID:	525386
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	SPILL NUMBER 0109451
Address:	395 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0109451 / 2003-09-04
Facility ID:	0109451
Site ID:	259699
Spill Date:	2001-12-26
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6000
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2001-12-26
CID:	365
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2001-12-26
Spill Record Last Update:	2005-02-02
Spiller Name:	ANNE
Spiller Company:	Not reported
Spiller Address:	395 WEST ST
Spiller County:	001
Spiller Contact:	ANNE
Spiller Phone:	(914) 967-6291
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	212380
DEC Memo:	"09/04/03 ENVIROGUIDE PULLED TANK AND FOUND CONTAMINATION. SECOND SPILL CALLED IN. SEE SPILL 01-11356 FOR FURTHER INFO. NFA THIS SPILL NUMBER."
Remarks:	"HORNER EZ3 TANK TEST - FAILED - THEY BELIEVE THAT THE TANK WILL BE REMOVED & THERE IS ALSO OIL IN THE GROUND - ITS AN UNDERGROUND TANK OUTSIDE THE RESIDENCE - IT IS A REALE ESTATE TRANSACTION"

All TTF:

Facility ID:	0109451
Spill Number:	0109451
Spill Tank Test:	1526784

RESIDENCE (Continued) **S105230151**

Site ID:	259699
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	259699
Operable Unit ID:	847815
Operable Unit:	01
Material ID:	530654
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	RESIDENCE
Address:	395 WEST ST
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0410165 / 2005-05-03
Facility ID:	0410165
Site ID:	335038
Spill Date:	2004-12-13
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2004-12-13
CID:	407
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-12-13
Spill Record Last Update:	2005-05-03
Spiller Name:	CLIFF KHAGHAN
Spiller Company:	RESODENCE

RESIDENCE (Continued) **S105230151**

Spiller Address:	395 WEST ST
Spiller County:	001
Spiller Contact:	CLIFF KHAGHAN
Spiller Phone:	(914) 835-5264
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	270872
DEC Memo:	"5/03/05 Northeast Environmental reported that the tank was removed and 42.53 tons of soil was disposed at TPS Technologies. NFA. TG"
Remarks:	"Tank size 1000 gall"

All Materials:

Site ID:	335038
Operable Unit ID:	1097147
Operable Unit:	01
Material ID:	577101
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

91
ENE
1/4-1/2
0.478 mi.
2525 ft.

FELLER - TTF
189 UNION AVE
HARRISON, NY

NY LTANKS **S118638749**
N/A

Relative:
Higher

Actual:
153 ft.

LTANKS:

Name:	FELLER - TTF
Address:	189 UNION AVE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	1512409 / 2016-08-01
Facility ID:	1512409
Site ID:	525225
Spill Date:	2016-03-30
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D4
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2016-03-31
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2016-03-31
Spill Record Last Update:	2016-08-01

FELLER - TTF (Continued) **S118638749**

Spiller Name:	MR FELLER
Spiller Company:	Feller
Spiller Address:	189 UNION AVE
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	479434
DEC Memo:	"3/31/16 Spoke to Tank tester, who said this was for a real estate transaction, and did not know what the homeowner was doing. I have left a phone message with the homeowner, dw 8/1/16: UST removed by Royal Environmental. No evidence of leak or significant contamination was found. Tank Closure report entered into DecDocs. Based upon the information provided, no further action is required at this time. jod"
	Not reported
Remarks:	"550 tank test failure."

All Materials:

Site ID:	525225
Operable Unit ID:	1274184
Operable Unit:	01
Material ID:	2278734
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

U92 **BRENNAN RESIDENCE** **NY LTANKS** **S107489082**
SW **30 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.479 mi.
2530 ft. **Site 1 of 4 in cluster U**

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name:	BRENNAN RESIDENCE
Address:	30 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0509566 / 2006-02-07
Facility ID:	0509566
Site ID:	355360
Spill Date:	2005-11-09
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C4
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	JBODee
Referred To:	Not reported
Reported to Dept:	2005-11-09
CID:	408
Water Affected:	Not reported
Spill Notifier:	Tank Tester

BRENNAN RESIDENCE (Continued) **S107489082**

Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2005-11-09
Spill Record Last Update:	2017-06-28
Spiller Name:	ILENE BRENNAN
Spiller Company:	BRENNAN RESIDENCE
Spiller Address:	30 DORIS ROAD
Spiller County:	001
Spiller Contact:	ILENE BRENNAN
Spiller Phone:	(914) 588-7746
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	305383
DEC Memo:	"Did tank test - tank under stone patio - will probably retest after exposing lines and top of tank. February 7, 2006: ELITE ENVIRONMENTAL CUT, CLEANED AND INSPECTED TANK. NO EVIDENCE OF HOLES OR LEAKAGE NOTED. SOIL SAMPLE TAKEN FROM BENEATH TANK WAS NON-DETECT. TANK ABANDONED IN PLACE. NO FURTHER ACTION REQUIRED AT THIS TIME. jod"
Remarks:	"LOUD HISSING SOUND HEARD UNDER A STONE PATIO."

All Materials:

Site ID:	355360
Operable Unit ID:	1112727
Operable Unit:	01
Material ID:	2102771
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

93
NNW
1/4-1/2
0.480 mi.
2537 ft.

WHITE PLAINS MAINTENANCE FACILITY
51 PURDY AVE
WHITE PLAINS, NY

NY LTANKS **S102555995**
NY Spills **N/A**
NY SPDES

Relative:
Lower

Actual:
85 ft.

LTANKS:

Name:	NYS DOT
Address:	51 PURDY AVENUE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9613122 / 1998-05-26
Facility ID:	9613122
Site ID:	323325
Spill Date:	1997-02-05
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6017
Investigator:	jghardy

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Referred To:	Not reported
Reported to Dept:	1997-02-05
CID:	257
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1997-02-05
Spill Record Last Update:	1999-11-08
Spiller Name:	Not reported
Spiller Company:	NYS DOT
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	JOE
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	216868
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was HARDY 05/26/98 NFA LETTER SENT"
Remarks:	"FOUND CONTAMINATED SOIL DURING TANK REMOVAL"

All Materials:

Site ID:	323325
Operable Unit ID:	1040760
Operable Unit:	01
Material ID:	341769
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Name:	NYS DEPARTMENT OF TRANSPO
Address:	51 PURDY AVENUE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9801881 / 1998-08-28
Facility ID:	9801881
Facility Type:	ER
DER Facility ID:	216868
Site ID:	266114
DEC Region:	3
Spill Cause:	Housekeeping
Spill Class:	C3
SWIS:	6017
Spill Date:	1998-05-13
Investigator:	tdghiosa
Referred To:	Not reported
Reported to Dept:	1998-05-13

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

CID:	266
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-05-13
Spill Record Last Update:	1998-10-02
Spiller Name:	PARSHU BHATT
Spiller Company:	NYS OFFICE OF GENERAL SER
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was GHIOSAY "
Remarks:	"SOIL CONTAMINATION FOUND REMOVAL OF 4000 GALLON UNDERGROUND STORAGE TANK. APPROXIMATELY 50 YARDS TO BE STOCKPILED. GROUNDWATER SAMPLES TAKEN."

All Materials:

Site ID:	266114
Operable Unit ID:	1062422
Operable Unit:	01
Material ID:	323790
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NYS DOT
Address:	51 PURDY AVENUE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	9702573 / 1998-05-26
Facility ID:	9702573
Facility Type:	ER
DER Facility ID:	216868
Site ID:	323326
DEC Region:	3
Spill Cause:	Unknown
Spill Class:	C3
SWIS:	6017
Spill Date:	1997-05-30
Investigator:	jghardy
Referred To:	Not reported
Reported to Dept:	1997-05-30
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-05-30
Spill Record Last Update:	1999-11-08
Spiller Name:	Not reported
Spiller Company:	NYS DOT
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	MARK BRACEY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was HARDY 05/26/98 NFA LETTER SENT"
Remarks:	"CALLER REMOVING A TANK AND HAVE 30PPM AROUND FILL AREA - BOTTOM SAMPLE IS NON-DETECT - LOCATED SOUTH OF DOT GARAGE NEAR PARKING AREA"

All Materials:

Site ID:	323326
Operable Unit ID:	1048584
Operable Unit:	01
Material ID:	335507
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	NYS DOT
Address:	51 PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Spill Number/Closed Date:	0904002 / 2009-07-07
Facility ID:	0904002
Facility Type:	ER
DER Facility ID:	365212
Site ID:	416143
DEC Region:	3
Spill Cause:	Housekeeping
Spill Class:	C3
SWIS:	6017
Spill Date:	2009-07-07
Investigator:	JPCUMMIN
Referred To:	WCDOH
Reported to Dept:	2009-07-07
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Remediation Phase:	0
Date Entered In Computer:	2009-07-07
Spill Record Last Update:	2009-07-21
Spiller Name:	CHRIS KAPPELLER
Spiller Company:	NYS DOT
Spiller Address:	51 PURDY AVE
Spiller Company:	999
Contact Name:	CHRIS KAPPELLER
DEC Memo:	"7-7-09 Found during audit inspection. Impacted soil removed. jc"
Remarks:	"POOR HOUSEKEEPING RESULTING IN A SPILL OF ABOUT 1 GALLON TO SOIL, IN THE AREA OF THE DIESEL PUMP. CLEAN UP WAS DONE."

All Materials:

Site ID:	416143
Operable Unit ID:	1172457
Operable Unit:	01
Material ID:	2164329
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	1.00
Oxygenate:	Not reported

SPDES:

Name:	WHITE PLAINS MAINTENANCE FACILITY
Address:	51 PURDY AVE
City,State,Zip:	WHITE PLAINS, NY
Permit Number:	NY0260193
State-Region:	3
Expiration Date:	02/28/2019
Current Major Minor Status:	Not reported
Primary Facility SIC Code:	7539
State Water Body Name:	Not reported
Limit Set Status Flag:	Not reported
Total Actual Average Flow(MGD):	0.001
Total App Design Flow(MGD):	Not reported
UDF1:	Not reported
Lat/Long:	40.983655 / 73.7458878
DMR Cognizant Official:	RICHARD MCKEON
UDF2:	Not reported
UDF3:	Not reported
FIPS County Code:	Not reported
Non-Gov Permit Affiliation Type Desc:	Not reported
Non-Gov Permit Org Formal Name:	NYS Dept of Transportation
Non-Gov Permit Street Address:	50 WOLF RD - POD 4-1
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	ALBANY
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	12232
Non-Gov Facility Affiliation Type Desc:	Not reported
Non-Gov Facility Org Formal Name:	Not reported

WHITE PLAINS MAINTENANCE FACILITY (Continued) **S102555995**

Non-Gov Facility Street Address:	Not reported
Non-Gov Facility Supplemental Location:	Not reported
Non-Gov Facility City:	Not reported
Non-Gov Facility State Code:	Not reported
Non-Gov Facility Zip Code:	Not reported
State Water Body:	Not reported
Region Permit Processed:	Not reported
Dow Discharge Class Code:	Not reported
SPDES Class Description:	Not reported
Affiliation Type Description:	Not reported
Name:	Not reported
Contacts Title:	Not reported
Contacts Email:	Not reported
NOI Submission Date:	Not reported

94
NNE
1/4-1/2
0.481 mi.
2539 ft.

FRANCO RESIDENCE
1 LOVE LANE
HARRISON, NY

NY LTANKS **S109583801**
N/A

Relative:
Lower

Actual:
77 ft.

LTANKS:

Name:	FRANCO RESIDENCE
Address:	1 LOVE LANE
City,State,Zip:	HARRISON, NY
Spill Number/Closed Date:	0814150 / 2009-05-06
Facility ID:	0814150
Site ID:	411879
Spill Date:	2009-03-31
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6028
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	2009-03-31
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2009-03-31
Spill Record Last Update:	2009-05-06
Spiller Name:	CHRISTINE FRANCO
Spiller Company:	CHRISTINE FRANCO
Spiller Address:	1 LOVE LN
Spiller County:	999
Spiller Contact:	PAUL SCORZELLI
Spiller Phone:	(914) 946-4300
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	361081
DEC Memo:	"3-31-09 Called and spoke with Paul. They are having Burke Heat come out to excavate and isolate tank from piping so that they can retest later this week. They will keep J. O'Dee updated. jm 5/6/2009: Tank

FRANCO RESIDENCE (Continued) **S109583801**

passed an isolation retest after piping was removed. Tank scheduled to be filled in place and replaced with an AST. Based upon the information provided to DEC, No Further Action is required at this time. jod"

Remarks: "TANK TEST FAILURE ON A 1000 GALLON UST UNK IF ANY PRODUCT WAS SPILLED."

All Materials:

Site ID:	411879
Operable Unit ID:	1168370
Operable Unit:	01
Material ID:	2159978
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

U95 **PRAVADA RESIDENCE** **NY LTANKS** **S103941407**
SW **29 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.487 mi.
2573 ft. **Site 2 of 4 in cluster U**

Relative:
Higher

Actual:
168 ft.

LTANKS:

Name:	PRAVDA RESIDENCE
Address:	29 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9903093 / 1999-07-27
Facility ID:	9903093
Site ID:	302911
Spill Date:	1999-06-03
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-06-17
CID:	384
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-17
Spill Record Last Update:	1999-08-03
Spiller Name:	LAURA PRAVDA
Spiller Company:	PRAVDA RESIDENCE
Spiller Address:	29 DORIS LANE
Spiller County:	001

PRAVADA RESIDENCE (Continued) **S103941407**

Spiller Contact:	LAURA PRAVDA
Spiller Phone:	(914) 698-2208
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	244734
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 7/27/99 TANK TEST FAILURE REPORTED TWO WEEKS AFTER TEST. SEE ALSO SPILL #99-02790. TANK PULLED BY ROBISON. TANK WAS SOUND. HOLE IN VENT PIPE. NFA"
Remarks:	"tested for real estate transaction"

All TTF:

Facility ID:	9903093
Spill Number:	9903093
Spill Tank Test:	1547274
Site ID:	302911
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	302911
Operable Unit ID:	1082018
Operable Unit:	01
Material ID:	303017
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Name:	PRAVADA RESIDENCE
Address:	29 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	9902790 / 1999-07-27
Facility ID:	9902790
Site ID:	264066
Spill Date:	1999-06-10
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	6032

PRAVADA RESIDENCE (Continued) **S103941407**

Investigator:	jbodee
Referred To:	Not reported
Reported to Dept:	1999-06-10
CID:	252
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1999-06-10
Spill Record Last Update:	1999-08-03
Spiller Name:	LAURA PRAVADA
Spiller Company:	PRAVADA RESIDENCE
Spiller Address:	29 DORIS LN
Spiller County:	001
Spiller Contact:	LAURA PRAVADA
Spiller Phone:	(914) 698-2208
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	244734
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was O'DEE 6/11/99 TANK WAS TESTED BY PRECISION TANK TESTING ON 6/3/99. TANK FAILED TEST. FAILURE WAS NEVER REPORTED TO DEC. TANK WAS RETESTED BY U.S. TANK TECH ON 6/10/99. TANK FAILED TEST. TANK TO BE REMOVED BY CONTRACTOR THROUGH ROBISON OIL. 7/27/99 TANK PULLED BY ROBISON OIL. TANK WAS SOUND, NO DISCHARGE. HOLE WAS FOUND IN VENT PIPE. SEE ALSO SPILL #99-03093."
Remarks:	"RECOMMEND TO UNCOVER TOP OF TANK-CK ALL LINES FITTINGS AND CONNECTIONS-REPAIR AS NECESSARY AND CALL BACK FOR RE-TEST."

All TTF:

Facility ID:	9902790
Spill Number:	9902790
Spill Tank Test:	1547247
Site ID:	264066
Tank Number:	Not reported
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	264066
Operable Unit ID:	1077395
Operable Unit:	01
Material ID:	306290
Material Code:	0001A

PRAVADA RESIDENCE (Continued) **S103941407**

Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U96 **TTF W/ CONTAMIN** **NY LTANKS** **S121102029**
SW **16 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.487 mi.
2573 ft. **Site 3 of 4 in cluster U**

Relative:
Higher

Actual:
172 ft.

LTANKS:

Name:	TTF W/ CONTAMIN
Address:	16 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0609513 / 2015-08-20
Facility ID:	0609513
Site ID:	373827
Spill Date:	2006-11-17
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D5
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	JBODEE
Referred To:	Not reported
Reported to Dept:	2006-11-17
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2006-11-20
Spill Record Last Update:	2020-05-06
Spiller Name:	ELIZABETH ROSENSTAT
Spiller Company:	Rosenstat
Spiller Address:	16 DORIS ROAD
Spiller County:	001
Spiller Contact:	ELIZABETH ROSENSTAT
Spiller Phone:	(914) 777-1785
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	323558
DEC Memo:	"8/1/10 need status update JO'M 8/20/15 HOTTF greater then 5 years old and no impact noted NFA with Albany approval JO'M"
Remarks:	"soil testing showed contaminated soil"

All Materials:

Site ID:	373827
Operable Unit ID:	1131522
Operable Unit:	01

TTF W/ CONTAMIN (Continued) **S121102029**

Material ID:	2121232
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	.00
Oxygenate:	Not reported

U97 **RESIDENTIAL TTF** **NY LTANKS** **S106718957**
SW **12 DORIS LANE** **N/A**
1/4-1/2 **MAMARONECK, NY**
0.489 mi.
2580 ft. **Site 4 of 4 in cluster U**

Relative:
Higher

Actual:
172 ft.

LTANKS:

Name:	RESIDENTIAL TTF
Address:	12 DORIS LANE
City,State,Zip:	MAMARONECK, NY
Spill Number/Closed Date:	0208288 / 2012-08-13
Facility ID:	0208288
Site ID:	151156
Spill Date:	2002-11-11
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	D5
Cleanup Ceased:	Not reported
SWIS:	6032
Investigator:	UNASSIGNED
Referred To:	Not reported
Reported to Dept:	2002-11-11
CID:	365
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2002-11-11
Spill Record Last Update:	2017-06-28
Spiller Name:	Not reported
Spiller Company:	Tank Test Failure
Spiller Address:	12 DORIS Lane
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	3
DER Facility ID:	128466
DEC Memo:	"7/28/10 Homeowner TTF JO'M 8/13/12 With Albany and regional approval all Homeowner Tank Test Failure with no impact older than 5 years will be closed. NFA JO M "
Remarks:	"uncover, repair & retest"

All TTF:

RESIDENTIAL TTF (Continued) **S106718957**

Facility ID:	0208288
Spill Number:	0208288
Spill Tank Test:	1527687
Site ID:	151156
Tank Number:	1
Tank Size:	550
Material:	0001
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	151156
Operable Unit ID:	859771
Operable Unit:	01
Material ID:	515297
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 03/31/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 518-402-8678
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 89

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/14/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 02/25/2021
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 06/04/2021
Number of Days to Update: 79

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 02/25/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 06/04/2021
Number of Days to Update: 78

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: No Update Planned

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Semi-Annually

VCP NYC: Voluntary Cleanup Program Listing NYC

New York City voluntary cleanup program sites.

Date of Government Version: 04/15/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 78

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/15/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/16/2021	Telephone: 202-566-2777
Date Made Active in Reports: 06/10/2021	Last EDR Contact: 06/10/2021
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/27/2021
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 03/31/2021	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/29/2021	Telephone: 518-402-8678
Date Made Active in Reports: 07/16/2021	Last EDR Contact: 07/01/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/11/2021
	Data Release Frequency: Quarterly

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/06/2018	Telephone: 518-402-8694
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/07/2021
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/20/2021
	Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 07/20/2021
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/08/2021
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

DEC surveyed select businesses, fire departments, fire training centers, bulk storage facilities, airports, and Department of Defense (DoD) facilities. The responses to the survey have helped to determine if these entities used or stored materials containing PFOA/PFOS including AFFF and dispersants used in Teflon coating operations. The results of this survey will be updated periodically as additional responses are received..

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 05/08/2019
Date Made Active in Reports: 06/24/2019
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9020
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/20/2021
Number of Days to Update: 82

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/10/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 89

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 87

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/02/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: No Update Planned

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 07/09/2021
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 03/31/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/25/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/04/2021
Number of Days to Update: 71

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/11/2020
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 78

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/29/2021
Number of Days to Update: 83

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 12/01/2018
Date Data Arrived at EDR: 02/13/2019
Date Made Active in Reports: 06/13/2019
Number of Days to Update: 120

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/21/2021
Number of Days to Update: 79

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 06/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

COOLING TOWERS: Registered Cooling Towers

This data includes the location of cooling towers registered with New York State. The data is self-reported by owners/property managers of cooling towers in service in New York State. In August 2015, the New York State Department of Health released emergency regulations requiring the owners of cooling towers to register them with New York State.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 04/14/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 79

Source: Department of Health
Telephone: 518-402-7650
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

NYC LEAD: Lead-based Paint Testing Results
The results of the inspections for all classrooms serving students under six in applicable buildings. Identifies all classrooms, whether there was observation of peeling paint, and if there was, standard response protocol was followed.

Date of Government Version: 09/29/2020
Date Data Arrived at EDR: 02/03/2021
Date Made Active in Reports: 04/29/2021
Number of Days to Update: 85

Source: New York City Department of Education
Telephone: 212-374-5141
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

NYC LEAD 2: Recent Lead Paint Violations
Pursuant to New York City?s Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) issues violations against conditions in rental dwelling units that have been verified to violate the New York City Housing Maintenance Code (HMC) or the New York State Multiple Dwelling Law (MDL). Violations are issued when an inspection verifies that a violation of the HMC or MDL exists. It is closed when the violation is corrected, as observed/verified by HPD or as certified by the landlord.

Date of Government Version: 05/02/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 07/21/2021
Number of Days to Update: 79

Source: New York City Department of Housing Preservation & Development
Telephone: 212-863-8200
Last EDR Contact: 07/30/2021
Next Scheduled EDR Contact: 11/05/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

AST - CORTLAND: Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

UST - CORTLAND: Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 08/20/2019
Date Data Arrived at EDR: 08/20/2019
Date Made Active in Reports: 10/16/2019
Number of Days to Update: 57

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

NASSAU COUNTY:

AST - NASSAU: Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

AST NCFM: Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

TANKS NASSAU: Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

UST - NASSAU: Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

UST NCFM: Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 07/21/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ROCKLAND COUNTY:

AST - ROCKLAND: Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

UST - ROCKLAND: Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County. Rockland County?s Petroleum Bulk Storage (PBS) program is no longer in service. All related operations/duties are now wholly overseen by the New York State Dept. of Environmental Conservation (NYSDEC).

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 05/26/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

SUFFOLK COUNTY:

AST - SUFFOLK: Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/28/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

TANKS SUFFOLK: Storage Tank Database
This county is not included in the state?s database. These are facilities that have no tank information in the storage tank database.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 631-854-2516
Last EDR Contact: 07/28/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

UST - SUFFOLK: Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 06/28/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 02/07/2019
Number of Days to Update: 63

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 07/28/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

AST - WESTCHESTER: Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

UST - WESTCHESTER: Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/29/2019
Date Made Active in Reports: 01/09/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 07/07/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

500 MAMARONECK AVE
500 MAMARONECK AVE
HARRISON, NY 10528

TARGET PROPERTY COORDINATES

Latitude (North):	40.977288 - 40˚ 58' 38.24''
Longitude (West):	73.740565 - 73˚ 44' 26.03''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	605960.8
UTM Y (Meters):	4536787.5
Elevation:	130 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5940545 MAMARONECK, NY
Version Date:	2013
Southwest Map:	5940557 MOUNT VERNON, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

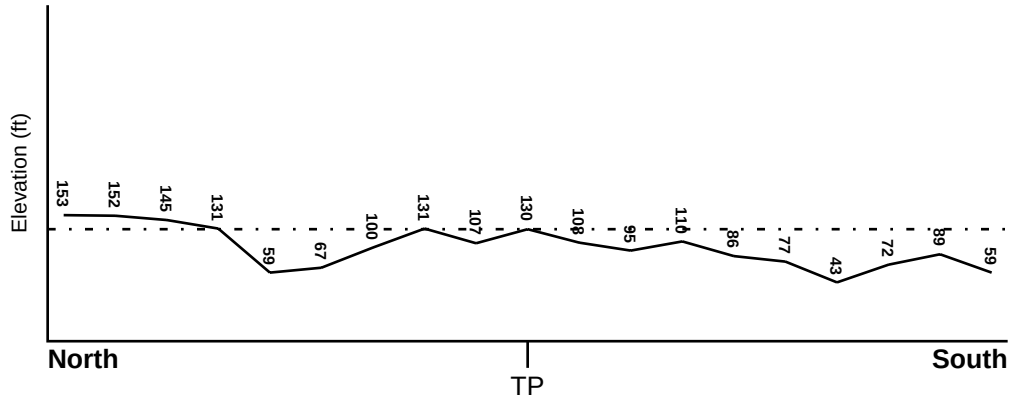
TOPOGRAPHIC INFORMATION

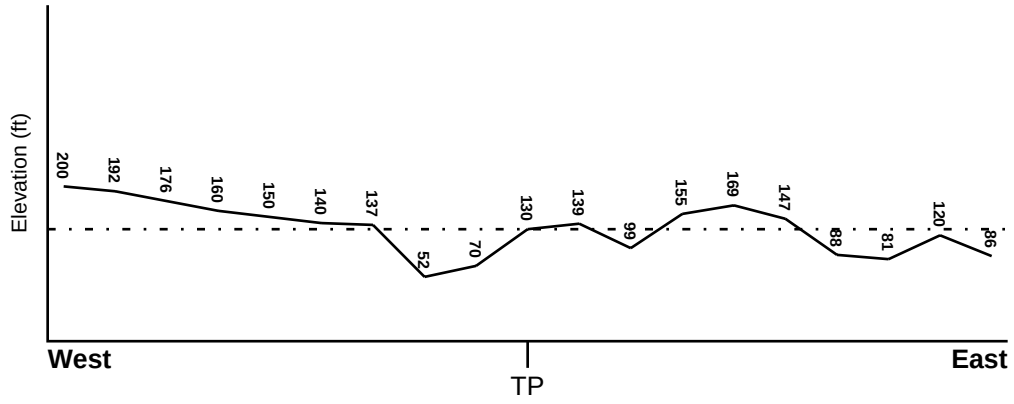
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 130 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
36119C0351F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
36119C0332F	FEMA FIRM Flood data
36119C0334F	FEMA FIRM Flood data
36119C0353F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
MAMARONECK	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

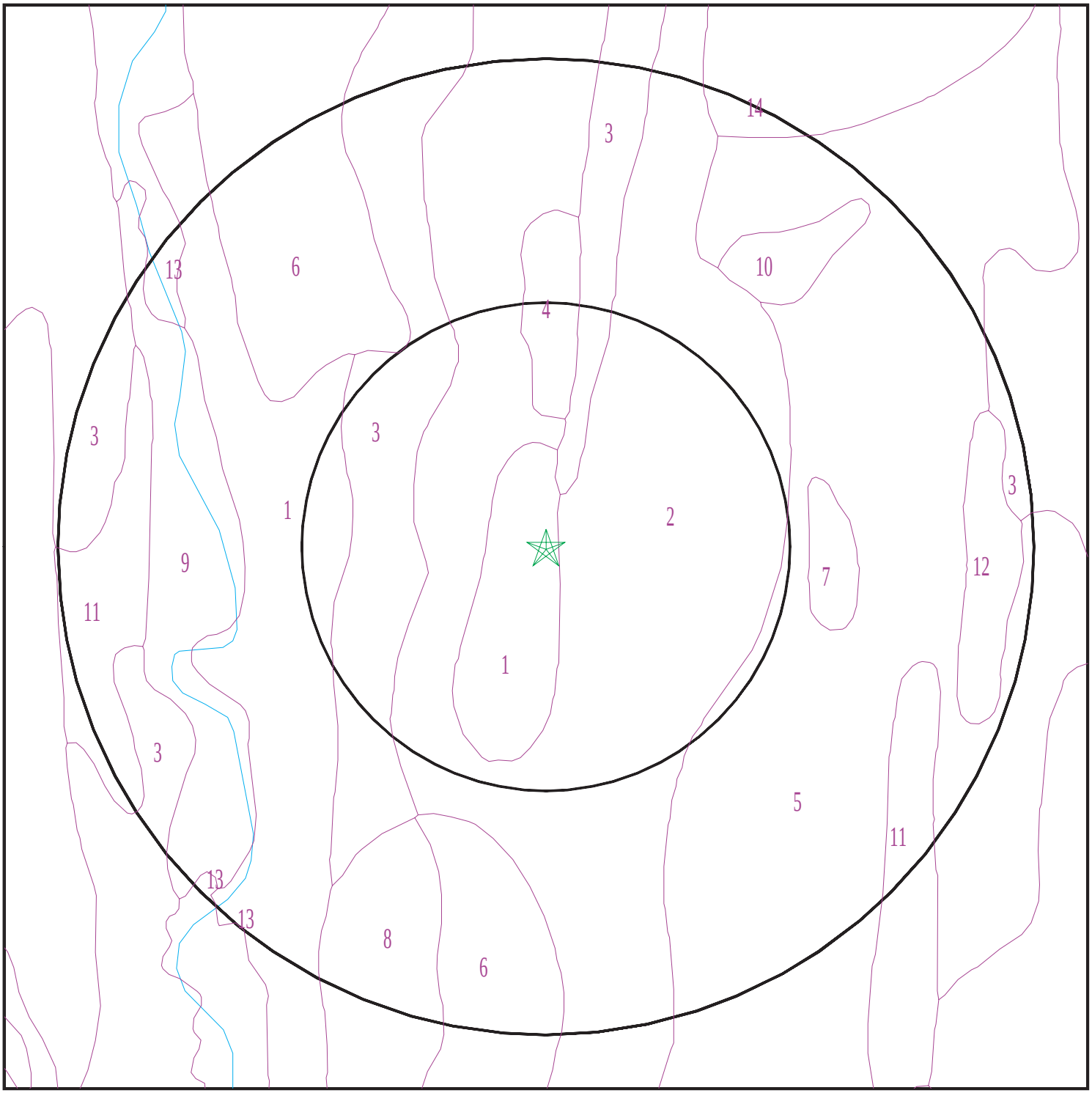
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6602268.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: 500 Mamaroneck Ave ADDRESS: 500 Mamaroneck Ave Harrison NY 10528 LAT/LONG: 40.977288 / 73.740565	CLIENT: Bergmann Associates CONTACT: Skylar Francis INQUIRY #: 6602268.2s DATE: August 02, 2021 2:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Udorthents

Soil Surface Texture: gravelly loam

Hydrologic Group: Not reported

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 84 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	very gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 42 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 2

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 3

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 4

Soil Component Name: Carlisle

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	59 inches	muck	A-8	Highly organic soils, Peat.	Max: 42 Min: 1.4	Max: Min:

Soil Map ID: 5

Soil Component Name: Charlton

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
2	7 inches	24 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5
3	24 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 6

Soil Component Name: Urban land

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 7

Soil Component Name: Palms

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
2	9 inches	48 inches	muck	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:
3	48 inches	59 inches	loam	A-8	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 1.4	Max: Min:

Soil Map ID: 8

Soil Component Name: Urban land

Soil Surface Texture: muck

Hydrologic Group: Class A/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 9

Soil Component Name: Udifluvents

Soil Surface Texture: gravelly silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	gravelly silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 141 Min: 0.42	Max: 8.4 Min: 4.5
2	3 inches	70 inches	very gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 141 Min: 0.42	Max: 8.4 Min: 4.5

Soil Map ID: 10

Soil Component Name: Leicester

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 4	Max: 6 Min: 4.5
2	7 inches	25 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 4	Max: 6 Min: 4.5
3	25 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 11

Soil Component Name: Chatfield

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 77 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
2	7 inches	24 inches	flaggy silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:
3	24 inches	27 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 141 Min: 0.07	Max: Min:

Soil Map ID: 12

Soil Component Name: Sun

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	9 inches	27 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	27 inches	59 inches	gravelly fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 13

Soil Component Name: Water

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 14

Soil Component Name:	Urban land
Soil Surface Texture:	loam
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	
Hydric Status: Unknown	
Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 77 inches
Depth to Watertable Min:	> 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000836723	1/2 - 1 Mile ESE
2	USGS40000836717	1/2 - 1 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

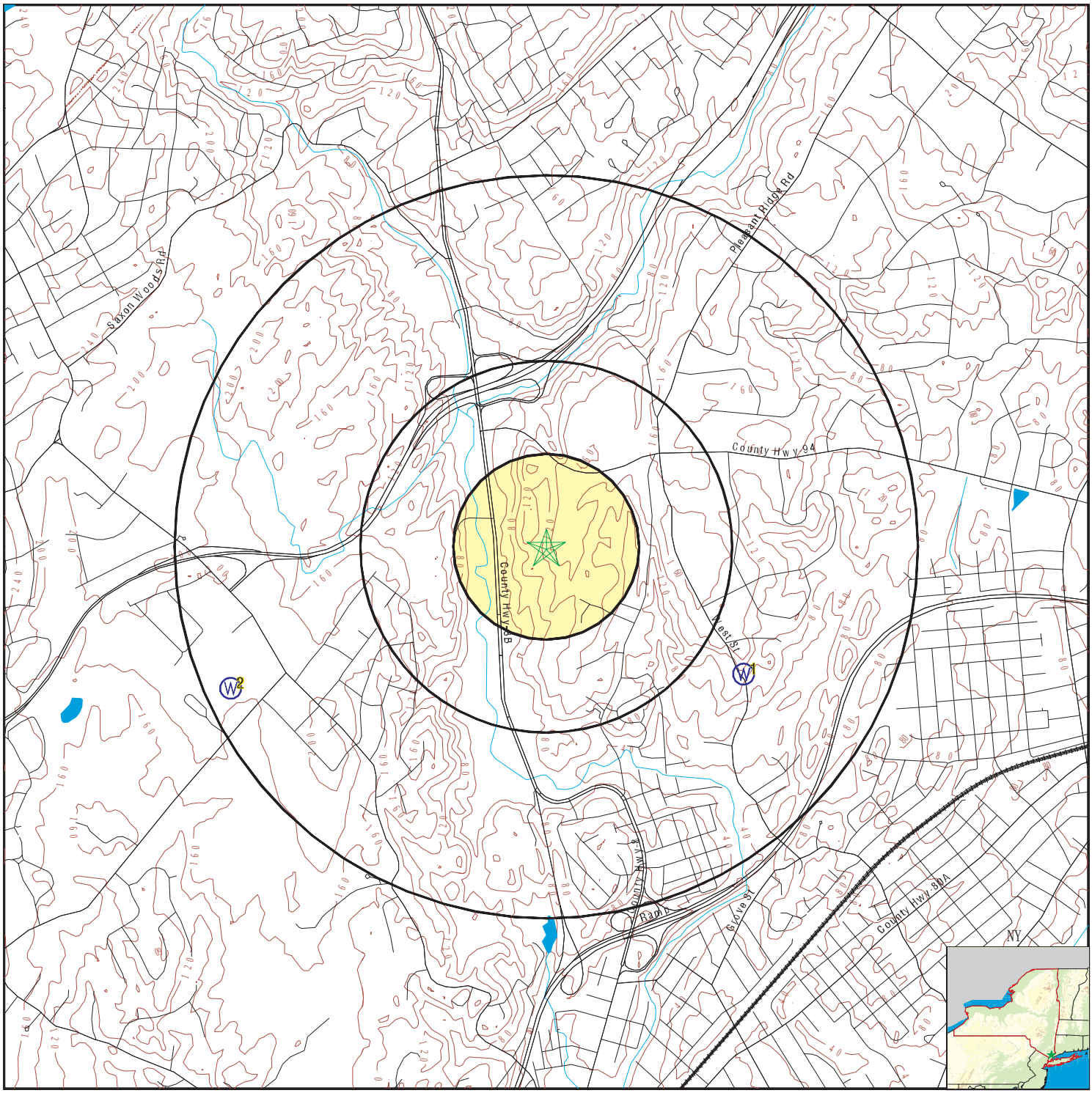
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 6602268.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	500 Mamaroneck Ave	CLIENT:	Bergmann Associates
ADDRESS:	500 Mamaroneck Ave Harrison NY 10528	CONTACT:	Skylar Francis
		INQUIRY #:	6602268.2s
LAT/LONG:	40.977288 / 73.740565	DATE:	August 02, 2021 2:21 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **ESE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS40000836723**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	WE1182	Type:	Well
Description:	Not Reported	HUC:	02030102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	250	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

2 **WSW** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS40000836717**

Organization ID:	USGS-NY	Organization Name:	USGS New York Water Science Center
Monitor Location:	WE 299	Type:	Well
Description:	Not Reported	HUC:	02030102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Bedrock
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	300	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
WESTCHESTER	BEDFORD	108	2.44	1.65	21.7
WESTCHESTER	CORTLANDT	169	5.15	2.22	95.4
WESTCHESTER	EASTCHESTER	76	2.89	1.75	41.9
WESTCHESTER	GREENBURGH	222	2.26	1.46	21.8
WESTCHESTER	HARRISON	69	3.3	2.07	42.3
WESTCHESTER	LEWISBORO	72	3.91	2.61	19.2
WESTCHESTER	MAMARONECK	123	4	2.42	35.9
WESTCHESTER	MT. KISCO	38	2.33	1.72	9.3
WESTCHESTER	MT. PLEASANT	172	2.13	1.43	17.1
WESTCHESTER	MT. VERNON	53	2.82	1.65	32
WESTCHESTER	NEW CASTLE	134	2.2	1.46	31.7
WESTCHESTER	NEW ROCHELLE	127	1.92	1.31	13.8
WESTCHESTER	NO. CASTLE	64	3.49	2.25	16.5
WESTCHESTER	NO. SALEM	56	3.78	2.56	25.7
WESTCHESTER	OSSINING	65	2.08	1.39	10.9
WESTCHESTER	PEEKSKILL	47	3.66	2.34	19.9
WESTCHESTER	PELHAM	26	2.5	1.91	9.1
WESTCHESTER	POUND RIDGE	34	3.37	2.22	18.5
WESTCHESTER	RYE	98	2.24	1.63	9.5
WESTCHESTER	SCARSDALE	138	2.35	1.63	22.4
WESTCHESTER	SOMERS	72	3.89	2.82	21.3
WESTCHESTER	WHITE PLAINS	132	2.76	1.48	65.2
WESTCHESTER	YONKERS	153	2.23	1.37	16
WESTCHESTER	YORKTOWN	181	2.7	1.72	27.2

Federal EPA Radon Zone for WESTCHESTER County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for WESTCHESTER COUNTY, NY

Number of sites tested: 650

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.930 pCi/L	97%	3%	0%
Basement	1.730 pCi/L	84%	13%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX H:

ADDITIONAL DOCUMENTATION

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6602268.8
August 02, 2021

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Bergmann Associates on Aug 02, 2021.

TARGET PROPERTY

500 Mamaroneck Ave
Harrison, NY 10528

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Harrison village

Year	*Source*	*TP*	*Adjoining*
2017			
2016		X	
2015		X	
2014		X	
2013		X	
2012		X	
2011			
2010			
2009			
2008			
2007		X	
2006		X	
2005		X	
2004		X	
2003		X	
2002		X	
2001		X	
2000		X	
1999		X	

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Harrison village
Years: 1999-2017
Source: , Harrison, NY
Phone: 914-670-3050

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

500 Mamaroneck Ave
Harrison, NY 10528

500 MAMARONECK AVE

Date:	**10/14/2016**
Permit Type:	
Description:	**INTERIOR RENOVATIONS TO EXISTING OFFICE SPACE.**
Permit Description:	**ALT/CONVERSION, ELECTRICAL - COM**
Work Class:	
Proposed Use:	
Permit Number:	16-25567
Status:	ISSUED
Valuation:	$40,000.00
Contractor Company:	
Contractor Name:	

Date:	**3/15/2016**
Permit Type:	
Description:	**INTERIOR OFFICE RENOVATION ON FIRST FLOOR.**
Permit Description:	**ALT/CONVERSION**
Work Class:	
Proposed Use:	
Permit Number:	16-24761
Status:	ISSUED
Valuation:	$150,000.00
Contractor Company:	
Contractor Name:	

TARGET PROPERTY FINDINGS

Date: **3/4/2016**
Permit Type:
Description: **INTERIOR DEMO, TEMP LIGHTING, NEW INTERIOR DOORS ON FIRST FLOOR.***

Permit Description: **ALT/CONVERSION**
Work Class:
Proposed Use:
Permit Number: 16-24671
Status: ISSUED
Valuation: $224,000.00
Contractor Company:
Contractor Name:

Date: **1/29/2016**
Permit Type:
Description: **INTERIOR ALTERATIONS, PRE-BUILT ON 2ND FLR.**

Permit Description: **ALT/CONVERSION**
Work Class:
Proposed Use:
Permit Number: 15-24365
Status: ISSUED
Valuation: $193,000.00
Contractor Company:
Contractor Name:

Date: **12/10/2015**
Permit Type:
Description: **NEW ELEVATOR JACK INSTALLATION.**

Permit Description: **ALT/CONVERSION**
Work Class:
Proposed Use:
Permit Number: 15-24405
Status: ISSUED
Valuation: $76,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **7/30/2015**
Permit Type:
Description: **INTERIOR ALTERATIONS TO EXISTING 4TH FLR. SPACE. PRE-BUILD. FOUR FIXTURES.**

Permit Description: **PLUMBING - COMM**
Work Class:
Proposed Use:
Permit Number: 15-23827
Status: ISSUED
Valuation: $264,000.00
Contractor Company:
Contractor Name:

Date: **6/2/2014**
Permit Type:
Description: **INTERIOR RENOVATIONS TO EXISTING OFFICE SPACE. 2ND FLOOR**

Permit Description: **PLUMBING - COMM**
Work Class:
Proposed Use:
Permit Number: 14-22488
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/1/2013**
Permit Type:
Description: **LIGHTING, 5TH FLR. PASTERNAK BAUM. PHASE 2.**

Permit Description: **ELECTRICAL - COM**
Work Class:
Proposed Use:
Permit Number: 13-22062
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **5/1/2013**
Permit Type:
Description: **LOW VOLTAGE CABLING. PASTERNAK BAUM.**

Permit Description: **ELECTRICAL - COM**
Work Class:
Proposed Use:
Permit Number: 13-22172
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **2/7/2013**
Permit Type:
Description: **Low Voltage data on 4th floor Motion Picture Association**

Permit Description: **ELECTRICAL - COM**
Work Class:
Proposed Use:
Permit Number: 13-21791
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **1/22/2013**
Permit Type:
Description: **int alts 4th fl mpaa**

Permit Description: **PLUMBING - COMM**
Work Class:
Proposed Use:
Permit Number: 12-21592
Status: ISSUED
Valuation: $100,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **12/18/2012**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 12-21606
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/27/2007**
Permit Type:
Description: **low voltage/Telwork**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 07-14899
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **3/21/2007**
Permit Type:
Description: **6-13730**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 07-14328
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/9/2007**
Permit Type:
Description: **7-14114,**

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 07-14268
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **1/3/2007**
Permit Type:
Description: **6-12216**

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 07-13916
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **11/28/2006**
Permit Type:
Description: **for senior care bp 06-12216 500 mamaroneck ave**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-13745
Status: ISSUED
Valuation: $40,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/31/2006**
Permit Type:
Description: **Rocco El./Garnett Capital/500 mamaroneck ave**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12459
Status: ISSUED
Valuation: $17,000.00
Contractor Company:
Contractor Name:

Date: **3/9/2006**
Permit Type:
Description: **LOW VOLTAGE FOCUS ROOM**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12329
Status: ISSUED
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **3/8/2006**
Permit Type:
Description: **fpr bp 0612045 martinello plg**

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 06-12313
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **2/27/2006**
Permit Type:
Description: **focus room 0612045**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12262
Status: ISSUED
Valuation: $81,000.00
Contractor Company:
Contractor Name:

Date: **2/27/2006**
Permit Type:
Description: **white box 06-12094**

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 06-12263
Status: ISSUED
Valuation: $1,000.00
Contractor Company:
Contractor Name:

Date: **11/3/2005**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 05-11805
Status: ISSUED
Valuation: $6,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/1/2005**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 05-10421
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **1/26/2005**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 05-10272
Status: ISSUED
Valuation: $101,000.00
Contractor Company:
Contractor Name:

Date: **11/9/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9956
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **10/7/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9828
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/7/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9829
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **6/30/2004**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 04-9317
Status: ISSUED
Valuation: $31,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **6/25/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-9290
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **6/14/2004**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 04-9214
Status: ISSUED
Valuation: $36,000.00
Contractor Company:
Contractor Name:

Date: **3/27/2004**
Permit Type:
Description:

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 04-8780
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/25/2004**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 04-8788
Status: ISSUED
Valuation: $15,000.00
Contractor Company:
Contractor Name:

Date: **3/16/2004**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 04-8735
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **11/13/2003**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 03-8282
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **7/7/2003**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 03-7528
Status: ISSUED
Valuation: $4,000.00
Contractor Company:
Contractor Name:

Date: **9/18/2002**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 02-6314
Status: ISSUED
Valuation: $3,000.00
Contractor Company:
Contractor Name:

Date: **6/7/2002**
Permit Type:
Description: **WALL SIGN FOR 500 MAMARONECK AVE.FOR ROPERASW.**

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 02-5811
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **5/14/2002**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 02-5679
Status: ISSUED
Valuation: $21,000.00
Contractor Company:
Contractor Name:

Date: **2/1/2002**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 02-5101
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **1/16/2002**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 02-5042
Status: ISSUED
Valuation: $3,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **12/18/2001**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 01-4905
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **10/23/2001**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 01-4615
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **9/18/2001**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 01-4441
Status: ISSUED
Valuation: $7,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **7/19/2001**
Permit Type:
Description: **ERECT WALL SIGN INDICATING "500"AND AN AREA NO GREATER THAN 20 SQ. FT.**

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 00-2914
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **12/20/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-3140
Status: ISSUED
Valuation: $17,000.00
Contractor Company:
Contractor Name:

Date: **11/30/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-3064
Status: ISSUED
Valuation: $17.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **11/13/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2993
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **11/13/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2994
Status: ISSUED
Valuation: $59,000.00
Contractor Company:
Contractor Name:

Date: **10/30/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2917
Status: ISSUED
Valuation: $9,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **10/30/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2918
Status: ISSUED
Valuation: $9,000.00
Contractor Company:
Contractor Name:

Date: **10/26/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2893
Status: ISSUED
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **10/26/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2894
Status: ISSUED
Valuation: $25,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **10/18/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2861
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **9/25/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2732
Status: ISSUED
Valuation: $4,000.00
Contractor Company:
Contractor Name:

Date: **8/23/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2554
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **8/23/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-2555
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/21/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2362
Status: ISSUED
Valuation: $17,000.00
Contractor Company:
Contractor Name:

Date: **7/21/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2363
Status: ISSUED
Valuation: $25,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **5/18/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-2025
Status: ISSUED
Valuation: $12,000.00
Contractor Company:
Contractor Name:

Date: **4/12/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-1816
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

Date: **4/3/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1762
Status: ISSUED
Valuation: $30,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **3/23/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1701
Status: ISSUED
Valuation: $1,000.00
Contractor Company:
Contractor Name:

Date: **3/13/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1636
Status: ISSUED
Valuation: $98,000.00
Contractor Company:
Contractor Name:

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **PLUMBING - RESID**
Work Class:
Proposed Use:
Permit Number: 00-1324
Status: ISSUED
Valuation: $75.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1326
Status: ISSUED
Valuation: $12,000.00
Contractor Company:
Contractor Name:

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1327
Status: ISSUED
Valuation: $41,000.00
Contractor Company:
Contractor Name:

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1332
Status: ISSUED
Valuation: $1,000.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date: **1/11/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1333
Status: ISSUED
Valuation: $53,000.00
Contractor Company:
Contractor Name:

Date: **1/10/2000**
Permit Type:
Description:

Permit Description: **ELECTRICAL - RESI**
Work Class:
Proposed Use:
Permit Number: 00-1321
Status: ISSUED
Valuation: $5,000.00
Contractor Company:
Contractor Name:

Date: **12/13/1999**
Permit Type:
Description: **CONTRACTOR'S INSURANCE. FEE DUE OF $75.00**

Permit Description: **SIGNS AND AWNIN**
Work Class:
Proposed Use:
Permit Number: 99-1104
Status: ISSUED
Valuation: $0.00
Contractor Company:
Contractor Name:

TARGET PROPERTY FINDINGS

Date:	**8/13/1999**
Permit Type:	
Description:	
Permit Description:	**ELECTRICAL - RESI**
Work Class:	
Proposed Use:	
Permit Number:	99-653
Status:	ISSUED
Valuation:	$20.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Permits Found

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6602268.5
August 04, 2021

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1987	☑	☐	Cole Criss-Cross Directory
1982	☑	☐	Cole Criss-Cross Directory
1977	☑	☐	Cole Criss-Cross Directory
1972	☑	☐	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

500 Mamaroneck Ave
Harrison, NY 10528

Year	*CD Image*	*Source*

MAMARONECK AVE

2017	pg A2	EDR Digital Archive
2014	pg A6	EDR Digital Archive
2010	pg A10	EDR Digital Archive
2005	pg A14	EDR Digital Archive
2000	pg A18	EDR Digital Archive
1995	pg A21	EDR Digital Archive
1992	pg A24	EDR Digital Archive
1987	pg A26	Cole Criss-Cross Directory
1982	pg A27	Cole Criss-Cross Directory
1977	pg A28	Cole Criss-Cross Directory
1972	pg A29	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2017

380	SCHEINKMAN, CLIFFORD S
400	C U P H S O N A A
440	24 HOUR HARRISON LOCKSMITH
	ATHLETES EVOLUTION
	BK OF NYSUNGARD EMPLOYEE BENEFIT
	CASTLE OIL CORPORATION
	CERMELES CAFE 440
	FRIEDLAND REALTY
	HIGH TOWER ADVSR
	HIGHTOWER ADVISORS
	JEFFREY M JACOBSON MD
	MAMARONECK AVENUE PLUMBING CO
	NEAL DORF CPA
	PLASTIC SURGERY CENTER OF WESTCHESTE
	WESTROCK DEVELOPMENT LLC
450	450 MAMARONECK AVE LLC
	FULL CIRCLE FAMILY CA
	GAKKYUSHA USA COMPANY LIMITED
	J RECKNER ASSOCIATES INC
	JAMES R GORDON MD FACS
	MAMARONECK LLC
	REGEN PHISICAL THERPY
	SONOBELLO
	SPORTS & WELLNE
470	ACORN FARM & GARDEN CNTR
480	CASTLE PEAK MANAGEMENT
	CRAIG LANGER ATTY
	CUPH SONAA
	DAVID GORDON ATTY
	DE CARO & DE CARO PC
	JENNINGS JAMES A CO INC
	LYNN HOFFMAN MD
	TOWN PLANNER CALENDER
500	500 MAMARONECK
	ACAPPELLA SOFTWARE INC
	ACTION REFUND LLC CLASS
	ALLOVER LIMOUSINE LLC
	AMERIPRISE FINANCIAL
	BARRINGTON CHEMICAL CORP
	BCM ONE INC
	BLS TELECOM
	BUCKLAND PARTNERS
	CASE PAPER CO
	CHEMLUBE INTERNATIONAL
	CHIAMULERA TRAVEL
	CHO ENTERPRISES INC
	CHRISTOPHERS PHOTOGRAPHY STUDIO
	CHURCH TAVERN
	COMPO MICRO TECH
	CUBISM BRANDING CORP

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2017 (Cont'd)

500	EMPIRE STATE REALTY
	FIRST GATESIDE
	GARNET CAPITAL
	IBEHAVIOR
	KEEVILY SPEROWHITELAW INC
	KHSEIDEN LAW
	LILLIAN VERNON
	MARIN GOODMAN LLP
	MARINER INVESTMENT GROUP
	MEDICSIGHT
	MEDICSIGHT INC
	MICHAEL J AMOROSO ATTY
	OCONNOR DAVIES LLP
	OPTIS MANAGEMENT INC
	PASTERNAK BAUM & CO INC
	PASTERNAK WINE IMPORTS
	PNKEEVILY SPEROWHITELAW INC INS
	PRO START
	QUEST LOCKSTORE
	RELIABLE E COMMERCE INCORPORATED
	RICH WORLDWIDE TRAVEL INC
	SARA LEE COFFEE & TEA
	SCHULMAN MANAGEMENT CORP
	SEQUOIA FINANCIAL PARTNERS LLC
	SIRLIN ROGER H & ASSOCS
	THE TRAVEL LADY
	THEODORE J BRUNDAGE ATTY
	UNIVERSAL REMOTE CONTROL
	VIRTUAL PREPAID NET
	VOEST ALPINE STEEL PROD CORP
	VOEST ALPINE STEEL PRODUCTS CORP
	VOEST ALPINE USA CORP
	WASAB
	WESTCHESTER AUDIO VIDEO
	WESTCHESTER PLASTIC SURGERY
	YORK INTERNATIONAL AGENCY LLC
550	20 MINUTE LOCKSMITH
	A J STROHMAYER PHD
	ALTER & BRESCIA
	ALTER & GOLDMAN
	ANTHONY P LONGOBUCCO ASSOCS
	APPLE METRO
	APPLE METRO INC
	ARLENE COLANGELO ATTY
	B RAVINDRA RAO CPA
	BRODSKY & PECK
	BROWNBICKLER & CO INC
	BURACK INVESTMENTS
	CAPE CAPITAL MGMT LLC
	CBSI

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2017 (Cont'd)

550	CENTRAL WESTCHESTER NEUROMUSCULAR CA
	CHO ENTERPRISES INC
	CONTE & CO
	EUGENIA M VECCHIO ATTY
	FUCHES & EICHEN
	GENTLE TOUCH DENTISTRY DR STEVEN
	GLOBAL HOME LOANS & FINANCE
	IAN P SPIER ATTY
	INGERMAN SMITH LLP
	IVY REHABILITATION NETWORK
	JEAN CLAUDE DOORNICK MD
	JEANNE PH DIETRICH D
	JOSEPH MIANO ATTY
	JUDICIAL TITLE INSURANCE
	LANGES OF SCARSDALE
	LAUREN ABRAMSON ESQ
	NEAL DORF CPA
	NEW YORK ESCROW & SETTLEMENT CO LLC
	NEW YORK TITLE RESEARCH CORP
	OAKRIDGE STAFFING
	OAKRIDGE STAFFING OFFICE
	OPTICAL ARCHIVES
	PROFPSYCH PSYCHOLOGICAL PLLC
	PROFPYSC H
	RAO & RAO LLC
	RICHARD P BIONDI MD
	ROSEN DEVELOPMENT GROUP
	RUSAL AMERICA CORP
	SCHNITZER & KONDUB PC
	SOLTIS OLGA DDS DENTIST GENERAL PR
	STEPHANIE L WOLMAN OD
	SUPER FIX LOCKSMITH
	THE COTSWOLD GROUP INC
	THORNE ROBERT W ASSOC LTD
	TOP HARRISON LOCKSMITH
	TRIDENT GROUP
	W ROTHMAN ROSALIND EDD
	WEATHERVANE TITLE INSURANCE
600	24 HOUR LOCKSMITH
	550 MAMARONECK ASSOC LLC
	600 MAMARONECK ASSOC LLC
	ACCESS 1 GARAGE DOOR OF HARRISON NY
	BERTHEL FISHER COMP
	CARR WORKPLACES
	CHILD BEHAVIOR
	CLIFFORD M RATNER MD
	CRISTIAN BROTEA MD
	DROGIN & KATZ
	ER KATZ DROGLN CPA
	FRED WOOLF LIST CO INC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2017 (Cont'd)

600	HARRISON MOBILE LOCKSMITH
	HUDSON VALLEY PERINATAL CONSULTANTS
	INTERNATIONAL UNION OF PUBLIC EMPLOY
	LANGES OF SCARSDALE
	LAW OFFICES OF SAUL KOBRICK PC
	MARBLEBLUE
	MARK EPSTEIN MD
	MIRA WOMAN IMAGING
	MIRA WOMEN IMAGING
	OUTBOOST MEDIA
	PRIMA LUCI
	PROFPYSCH
	RADIATION ENTERPRISE INC
	REACT FINANCIAL
	SPECIALTY ORTHOPAEDICS PLLC
	STONEWATER STAFFING
	THREE ARROWS CO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

MAMARONECK AVE 2014

380	SCHEINKMAN, BRIAN N
400	BOCCANFUSO, DIANE
440	24 HOUR HARRISON LOCKSMITH
	AMERIPRISE OFFICE OF CHRIS & COLEEN
	ATHLETES EVOLUTION
	BK OF NYSUNGARD EMPLOYEE BENEFIT
	CASTLE OIL CORPORATION
	CERMELES CAFE 440
	DERMATOLOGY ASSOCIATES OF NEW YORK
	KITCHIN JENNIFER DR
	KRISTEN VENTRESCA
	MAMARONECK AVENUE PLUMBING COMPANY
	PALMER DEBBIE DR
	PLASTIC SURGERY CENTER OF WESTCHESTE
450	450 MAMARONECK AVENUE LLC
	MAMARONECK LLC
	SONOBELLO
458	FALCO, GERARD
470	ACORN FARM & GARDEN CNTR
480	CASTLE PEAK MANAGEMENT
	CUPH SONAA
	DE CARO & DE CARO PC
	GORDON DAVID ATTY
	HOFFMAN LYNN MD
	JENNINGS JAMES A COMPANY INCORPORATE
	KELLY ROBERT P
	LANGER CRAIG ATTY
	LANGER CRAIG J ATTY
	LAW OFFICES OF EDMUND C GRAINGER JR
	TOWN PLANNER CALENDER
500	500 MAMARONECK
	ACAPPELLA SOFTWARE INCORPORATED
	ALLOVER LIMOUSINE LLC
	AMERIPRISE FINANCIAL
	AMOROSO MICHAEL J ATTY
	AMOROSO, MICHAEL
	BARRINGTON CHEMICAL CORPORATION
	BENABDESSADEK, BADR
	BLS TELECOM
	BROOKS JILL L ATTORNEYATLAW
	BRUNDAGE THEODORE J ATTY
	BUCKLAND PARTNERS
	CASE PAPER CO
	CHEMLUBE INTERNATIONAL
	CHO ENTERPRISES INCORPORATED
	CHURCH TAVERN ADVISORS
	COMPO MICRO TECH
	CUBISM BRANDING CORPORATION
	FIRST GATESIDE
	GOLDBERG JACOB J

Target Street	Cross Street	Source
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MAMARONECK AVE 2014 (Cont'd)

500	IBEHAVIOR
	KAJA, OMIYMA
	LIFE GOALS ASSET MANAGEMENT L L C
	MARIN GOODMAN LLP
	MARINER INVESTMENT GROUP
	MEDICSIGHT
	MEDICSIGHT INCORPORATED
	OCONNOR DAVIES
	PASTERNAK BAUM & CO INC
	PASTERNAK WINE IMPORTS
	PNKEEVILY SPERO WHITELAW INCORPORATE
	QUEST LOCKSTORE
	RELIABLE E COMMERCE INCORPORATED
	RICH WORLDWIDE TRAVEL INCORPORATED
	SARA LEE COFFEE & TEA
	SCHULMAN MANAGEMENT CORPORATION
	SCHULMAN REALTY GROUP
	SIRLIN ROGER H & ASSOCS ATTY
	TRAVEL LADY THE
	UNIVERSAL REMOTE CONTROL
	VIRTUAL PREPAID NET
	VOEST ALPINE STEEL PRODUCT CORPORATI
	VOEST ALPINE STEEL PRODUCTS CORPORAT
	WASAB
	WESTCHESTER AUDIO VIDEO
501	JUNEL, SYED
550	20 MINUTE LOCKSMITH
	ABRAMSON LAUREN ESQ
	ALTER & BRESCIA
	ALTER & GOLDMAN
	ANTHONY P LONGOBUCCO ASSOCIATES
	APPLE METRO INCORPORATED
	AUGUSTUS CAPITAL LLC
	BIONDI RICHARD P MD
	BIONDI, RICHARD
	BRODSKY & PECK ATTYS
	BROWNBICKLER & CO INC
	BURACK INVESTMENTS
	CARDHOLDER BROKERAGE SERVICES INCORP
	CBSI
	COLANGELO ARLENE ATTY
	CONTE & CO
	CONTE & COMPANY
	CORPORATE CREDIT
	COTSWOLD GROUP INCORPORATED THE
	DAVIDSON RICHARD DR
	DAVIDSON, RICHARD
	DB CONSULTING
	DIETRICH JEANNE PHD
	DIETRICH, JEANNE

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MAMARONECK AVE 2014 (Cont'd)

550	DOORNICK JEAN CLAUDE MD
	DOORNICK, JEAN
	DORF NEAL CPA
	EMPIRE PHYSICAL THERAPY
	FEDELE RONALD D
	FITZMAURICE & PARKER
	FUCHES & EICHEN ESQ
	INGERMAN SMITH LLP
	IVY REHABILITATION NETWORK
	IVY REHABILITATION NETWORK INCORPORA
	JUDICIAL TITLE INSURANCE
	JUDICIAL TITLE INSURANCE AGENCY LLC
	LANGES OF SCARSDALE
	LARUSSO FRANK J CPA
	LEND LEASE CAR LEASING
	LION ADVERTISING ASSOCIATES INCORPOR
	MATHOG & MONIELLO COMPANIES INC TOLL
	MCCULLOUGH FRANK JR ATTY
	MIANO, JOSEPH
	NEW YORK ESCROW & SETTLEMENT CO LLC
	NEW YORK TITLE RESEARCH CORPORATION
	OAKRIDGE STAFFING OFFICE
	OLGA SOLTIS DDS
	POLEVOY STEVEN DR
	PROFPYSC H
	RAO & RAO LLC
	RAO B RAVINDRA CPA
	ROSALIND W ROTHMAN EDD
	ROSEN DEVELOPMENT GROUP
	RUSAL AMERICA CORPORATION
	SALANDRA FRANK A CPA
	SCHNITZER & KONDUB PC
	SHECK PHYLLIS LEARNING CENTER
	SPIER IAN P ATTY
	SPRINGFIELD OIL SERVICES INCORPORATE
	ST NICKS EXTERMINATION
	STROHMAYER A J PHD
	THE PMA INSURANCE GROUP
	THORNE ROBERT W ASSOCIATE LIMITED
	TOP HARRISON LOCKSMITH
	TRIDENT GROUP
	VECCHIO EUGENIA M ATTY
	VECCHIO, EUGENIA
	WEATHERVANE TITLE INSURANCE
	WINDSOR PROPERTIES
600	24 HOUR LOCKSMITH OF HARRISON
	550 MAMARONECK ASSOCIATE LLC
	600 MAMORONECK ASSOCIATE LLC
	BERTHEL FISHER COMP
	BILL & SONS TOWING

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MAMARONECK AVE 2014 (Cont'd)

600	BRIGHTSTAR CARE WHITE PLAINS
	BROTEA CRISTIAN MD
	CARR WORKPLACES
	CHILD BEHAVIOR
	DROGIN & KATZ CPA
	EPSTEIN MARK MD
	FLEISCHMAN, JAY
	FRED WOOLF LIST COMPANY INCORPORATED
	GLOECKNER FRED C & CO
	HARRISON MOBILE LOCKSMITH
	HARRISON ORTHODONTICS DDS
	HUDSON VALLEY PERINATAL CONSULTANTS
	INNOVATIVE REAL ESTATE SOLUTIONS LLC
	INTERNATIONAL UNION OF PUBLIC EMPLOY
	JAMES, KEVIN
	KURA, JOHN
	LANGE S OF SCARSDALE
	LAW OFFICES OF SAUL KOBRICK PC
	MARBLEBLUE
	MCSWEENEY, JAMES T
	MIG CONSULTING
	MIRA WOMAN IMAGING
	MIRA WOMEN IMAGING
	MULLER JACQUELINE MD
	MULLER, JACQUELINE
	OUTBOOST MEDIA
	PRIMA LUCI
	RADIATION ENTERPRISE INCORPORATED
	RATNER CLIFFORD M MD
	REACT FINANCIAL CORPORATE HEADQUAR
	ROMERO, GUILLERMO H
	SPECIALTY ORTHOPAEDICS PLLC
	STONEWATER STAFFING
	THREE ARROWS COMPANY
608	SCARSO, BRONWYN

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MAMARONECK AVE 2010

380	DILLULIO, ROBERT
400	JABLON, MARTIN D
440	ATHLETES EVOLUTION
	B K OF NYSUNGARD EMPLOYEE
	CASTLE OIL CORP
	CERMELES CAFE
450	CB RICHARD ELLIS
458	FALCO, GERARD
470	ACORN FARM & GARDEN CTR
480	BARRY KEVIN J
	CASTLE PEAK MANAGEMENT
	DE CARO & DE CARO PC
	EDMUND C GRAINGER JR LAW OFCS
	GERARD FALCO ATTYS
	GORDON & HAFFNER LLP
	JAMES A JENNINGS CO INC
	KELLY ROBERT P
	LANGER CRAIG
	TOWN PLANNER CALENDAR
500	500 MAMARONECK AVE LP
	ALLOVER LIMOUSINE LLC
	AMERICAN EXPRESS FINANCIAL
	AMERIPRISE FINANCIAL
	AMOROSO MICHAEL J
	AMOROSO, MICHAEL
	BARRETTS INSURANCE & FNCL
	BARRINGTON CHEMICAL CORP
	BLS TELECOMMUNICATIONS
	BRUNDAGE THEODORE J
	BRUNDAGE, THEODORE
	CAFE FIVE HUNDRED
	CASE PAPER CO INC
	CBG INVESTMENT ADVISORS
	CHEMLUBE INTERNATIONAL
	CHIAMULERA TRAVEL
	CHO ENTERPRISES INC
	CHURCH TAVERN ADVISORS
	CLASS ACTION REFUND LLC
	ELIASSEN GROUP
	FALCOLN INVESTORS
	FOCUS ROOM
	GALLO, WILLIAM C
	GARNET CAPITAL ADVISORS
	GF K CUSTOM RESEARCH N AMERICA
	GOLDBERG JACOB J
	HILLCREST FUEL SVC
	I BEHAVIOR INC
	KEEVILY SPEROWHITELAW INC
	LAKESIDE TRAVEL INC
	LILLIAN VERNON CORP

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MAMARONECK AVE 2010 (Cont'd)

500 MADISON CONSULTING GROUP
MARKOWITZ & PIRO
METRIC TOURS INC
MILLENNIUM TRAVEL & CRUISES
NOTO TRAVEL SVC INC
OCONNOR DAVIES MUNNS DOBBINS
OCONNOR, DAVIES M
PANTAENIUS AMERICA LTD
PAPPALARDO & TOMBINI & WOLFF
PASTERNAK BAUM & CO INC
PASTERNAK WINE IMPORTS
PERSPECTIVES RESOURCES INC
QUANTUM FINANCIAL STRATEGIES
REACHCAPITAL MANAGEMENT LP
RELIABLE E COMMERCE INC
RICH WORLDWIDE TRAVEL INC
ROGER H SIRLIN & ASSOC
ROPER STARCH WORLDWIDE INC
SELECT COVERAGE CORP
SENIOR CARE DEVELOPMENT LLC
TRAVEL LADY
TRAVELOGUE LIMITED
UNIVERSAL REMOTE CONTROL
VIRTUAL, P N
VOEST ALPINE USA CORP
WESTCHESTER AUDIO VIDEO
YOU, JAK H
550 ALTER & GOLDMAN
ANTHONY P LONGOBUCCO ASSOC
APPLEMETRO INC
AUGUSTUS CAPITAL LLC
BHI BROKERAGE SVC INC
BRODSKY & PECK
BURACK INVESTMENTS
CBSI CONTE & CO
CONTINENTAL CAFE
CORPORATE CREDIT
COTSWOLD GROUP INC
DAVIDSON, RICHARD
DIETRICH JEANNE
DORF NEAL
DORF, NEAL
ESQS, MIANO A
EUGENIA M VECCHIO & ASSOC
F H INTL FINANCIAL
FEDELE RONALD D
FEDELE, RONALD D
FITZMAURICE & PARKER
FRANK J LARUSSO PC
FUCHES & ELCHEN

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MAMARONECK AVE 2010 (Cont'd)

550	GENTAL TOUCH DENTISTRY
	GENTIAL TOUCH DENTISTRY
	GMG PUBLIC RELATIONS
	INGERMAN SMITH LLP
	IVY REHABILITATION NETWORK
	JASPER ENERGY LLC
	JUDICIAL TITLE INSURANCE
	KAHN, ERIC
	KAYDEN BERNARD H
	LANGUAGE & LEARNING ASSOC
	LARUSSO, FRANK J
	LAUREN ABRAMSON ATTORNEY
	LION ADVERTISING ASSOC INC
	MCCULLOUGH, FRANK S
	MIANO LAW OFFICES
	MIANO, JOSEPH
	NEW YORK TITLE RESEARCH
	NEWMAN CONSULTING & INVESTING
	OAKRIDGE STAFFING
	OPTICAL ARCHIVES
	OVATION TRAVEL
	PHYLLIS SHECK LEARNING CTR
	PMA INSURANCE GROUP
	POSNER HERBERT N
	POSNER, HERBERT N
	RAO & RAO
	RAO, RAVINDRA B
	RATTET PASTERNAK GORDON OLIVE
	RATTET PASTERNAK GORDON OLIVER
	RATTET, ROBERT L
	ROBERT W THORNE ASSOC LTD
	ROSEN DEVELOPMENT GROUP
	RUSAL AMERICA CORP
	SALANDRA & SERLUCA
	SCARSDALE MEDICAL GROUP LLP
	SCHNITZER & KONDUB PC
	SLOANE AGENCY INC
	SLOANE, MONIQUE L
	SOLTIS OLGA MD
	SOLTIS, OLGA
	SPRINGFIELD OIL INC
	STROHMAYER A J
	STROHMAYER, ALAN
	T & M PROTECTION RESOURCES
	WEATHERVANE TITLE INSURANCE
	WESTCHESTER FAMILY
	WOLMAN STEPHANIE L OD
	WOLMAN, STEPHANI
600	550 MAMARONECK ASSOC LLC
	600 MAMARONECK ASSOC LLC

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MAMARONECK AVE 2010 (Cont'd)

600	BEHRMAN LAUREN PHD
	BEHRMAN, LAUREN
	BROCK, THOMAS W
	DROGIN & KATZ
	FIRST CARDINAL CORP
	FIRST PLACE STAFFING
	FRED C GLOECKNER CO INC
	HUDSON VALLEY PERINATAL CNSLNT
	ICON ASSET ACQUISITION
	KISSNER GROUP
	LPI, W
	MAXX PROPERTIES
	MIRA WOMAN IMAGING
	MONTEFIORE LASER & EYE CTR
	MULLER JACQUELINE MD
	NETWORK CRAZY INC
	NORTH WINDS ADVISORS
	PRIMA, LUCI
	RADIATION ELECTRONICS INC
	RATNER, CLIFFORD M
	RETINA PRACTICEWHITE PLAINS
	SAUL KOBRICK LAW OFFICES
	SENSIBLE HEARING SOLUTIONS
	SHAFFER WEALTH MANAGEMENT
	SPECIALTY ORTHOPAEDICS
	SPECIALTY ORTHOPEDICS
	SYNERGY WORKPLACES
	THREE ARROWS CO
	TOM, BROCK
	WALKER, JENNIFER
	WINDSOR PROPERTIES
	WOOLF, FRED
	WORKTOPIA
608	SCARSO, BRONWYN

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MAMARONECK AVE 2005

325	OCCUPANT UNKNOWN,
380	OCCUPANT UNKNOWN,
400	ZELDAN, BARBARA
411	ARCADIA FLORAL CO
440	ARMARK FOOD INC
	BANK OF NEW YORK
	BANK OF NY
	BNY MORTGAGE CO LLC
450	BLC CORP
	CBL CAPITAL CORP
	CITICAPITAL
	CITICORP NORTH AMERICA INC
	CITICORP RAILMARK INC
	CITIGROUP
	CULLIGAN PATRICK LAW OFFICE
480	585 N BARRY CORP
	FALCO GERARD
	JOSEPH MORSCHAUSER DC
	LASALLE SYSTEMS LEASING
	LAW OFFICES OF EDMUND C GRAINGER JR
	LEVINE LINNEA J
	NEWTHINKINC NET
	ROBERT P KELLY
	THORNE CREATIVE RESEARCH
	TOWN PLANNER CALENDAR
500	27 HARVARD COURT LLC
	500 MAMARONECK AV LP
	ACAPPELLA SOFTWARE INC
	AGNOS GROUP LLC
	AMERICAN EXPRESS
	AMERICAN EXPRESS FINANCIAL ADVISORS
	ARLEO, MARYFRANCES
	BARRINGTON CHEMICAL CORP
	BARRY, CHRISTOPHER
	CAMPUS TRAVEL INC
	CASTLE OIL CORP
	CBG INVESTMENT ADVISORS INC
	CHEMLUBE INTERNATIONAL INC
	CHO ENTERPRISES INC
	CHOCK FULL ONUTS CORP
	CHURCH TAVERN ADVISORS LLC
	COMPO MICROTECH INC
	E FRIEDMAN MARKETING SERVICES INC
	GOLDBERG JACOB J
	GREENBAUM, SCOTT
	HARTZ B2 E LLC
	I BEHAVIOR INC
	LANDRY, ROBERT E
	LANZA, FRANK C
	LEGACY CONSTRUCTION CORP

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MAMARONECK AVE 2005 (Cont'd)

500 LIFE GOALS ASSET MANAGEMENT CO
MAH LLC
N O P WORLD LLC
N O P WORLD UNITED BUSINESS MEDICAL
NOTO TRAVEL INC
OCONNOR, DAVIES M
OPINION ONE LTD
OPTIS MANAGEMENT INC
ORTIZ, R
RAIL EUROPE INC
REACHCAPITAL MGMT LLC
ROPER ASW LLC
SARA LEE COFFEE & TEA CONSUMER BRAND
SCHULMAN MANAGEMENT CORP
SCHULMAN REALTY GROUP
SCOTT D GREENBAUM DDS
SOJKA, KENNETH L
SOLCZ, M P
UNIVERSAL REMOTE CONTROL INC
VOESTALPINE USA CORP
WEST ROCHELLE TRAVEL AGENCY
550 AEGIS MERCHANT SERVICES
AIR MASTER
ALTER & GOLDMAN
APERTATE CORP
APPLE METRO INC
BHI BROKERAGE SERVICES INC
BICKLER, BROWN
BOREK, THOMAS
BRANDONC LLC
BROADWAY REAL ESTATE SERVICES LLC
BROWN BICKLER & CO
BURACK INVESTMENTS
CARDHOLDER BROKERAGE SERVICES
CLAREMON I N
DAN & CAROLE MANAGEMENT LLC
DIETRICH, JEANNE
DORADO APARTMENTS JV LTD
EDWARD I SPEER CPA
ELISA GOLDKLANG
FEDELE RONALD D
FEDELE, RONALD D
FITZMAURICE & PARKER
FUSCO GOTTLIEB ASSOCS
FUTURE IMAGE INC
GOLDKLANG, ELISA
HEALTHSOUTH
HOMELAND DEVELOPMENT LLC
HOMERICA MORTGAGE CORP
INTERMONETARY CORP

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MAMARONECK AVE 2005 (Cont'd)

550	IRVING & RUTH CLAREMON FOUNDATION
	IVY REHABILITATION NETWORK INC
	JASPER ENERGY LLC
	JUDICIAL TITLE INSURANCE
	JUDICIAL TITLE INSURANCE AGENCY
	LARUSSO, FRANK J
	LDR ENTERPRISES INC
	LEND, L
	LION ADVERTISING ASSOCIATES INC
	MARCH OF DIMES
	MARKETING IMPACT
	MATHOG & MONTICELLO CO INC
	MCCULLOUGH, FRANK S
	MELNIKOFF, RUTH
	MICH MANOR INC
	NEW YORK ESCROW & SETTLEMENT CO
	NEW YORK TITLE RESEARCH
	OAK STREET PARTNERS INC
	OBSI
	PASTERNAK JOHNATHAN ATTORNEY
	PHOTOGRAPHIC IMAGING MFRS ASSN
	PICTURE SERVICES NETWORK
	PIERRE MORAN MTG LLC
	POSNER, HERBERT N
	RAO, B R
	RATTET PASTERNAK LLP
	RATTET, ROBERT
	RAYMOND Z CORP
	RECOVERY PHYSICAL THERAPY PC
	RILMO LLC
	ROSALIND W ROTHMAN
	ROSEN DEVELOPMENT GROUP
	ROTHMAN, ROSALIND W
	RUSAL AMERICA CORP
	SCHNITZER & KONDUB PC
	SELECT COVERAGE CORP
	SIBIRSKY ALUMINUM PRODUCTS
	SILVER COUNCIL INC
	SISCO, FRANK A
	SLOANE AGENCY
	TFP THERAPY
	THE PARKER GROUP INC
	THOMAS MC EVILY KEEVILY SPERO WHITE
	UNITED STATES TENNIS ASSN EASTERN
	VECCHIO, EUGENIA
	VORNADO REALTY TRUST
600	BROCK, THOMAS W
	COMSTOCK INC
	DECICCO, FRED
	EASTERN ASSN OF EQUIPMENT LESSORS

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MAMARONECK AVE 2005 (Cont'd)

600	FRED C GLOECKNER & CO INC
	GOLDRICH, DAVID
	GRAYMARK TISSUE CO
	ICON CAPITAL CORP
	ICON CASH FLOW PARTNERS LP SVEN
	ICON EXECUTIVE SUITES
	KARP, DAVID M
	KEIZAIKAI USA INC
	MARKET DEVELOPMENT ALLIANCE
	MORRIS, KARP
	MULLER, JACQUELINE
	NETWORK CRAZY INC
	RATNER, CLIFFORD M
	RETINA PRACTICE WHITE PLAINS
	RIBBON NARROW SALES LLC
	RUSSO, ALAN J
	SEASONAL SPECIALTIES
	SECURITIES DEALING SYSTEMS
	SIBERSKY ALUMINUM PRODUCTS USA
	THREE ARROWS CO
	WIN INC
	WORKTOPIA
	ZOLDAN CHAPPAQUA LLC
658	POLLACK, CONRAD

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MAMARONECK AVE 2000

450	CITICORP
480	ARAN CAPITAL CORP
	CLUNE J RUSSELL PC
	KLEIN JACQUELINE
	SVOBODA ROBERT CPA
500	AMERICAN EXPRESS FINANCIAL ADVISORS INCORPORATED
	CANADA LIFE INS COMPANY OF NEW Y
	CASRLE OIL
	CASTLE OIL
	CASTLE OIL CORPORATION
	FOOD CITY MARKETS
	FOOD CITY MKTS INCORPORATED OFFICE
	GELBARD, STUART R
	HILLCREST FUEL SERVICE
	METRIC TOURS INCORPORATED
	RICH WORLDWIDE TRAVEL INCORPORATED
	SCHULMAN REALTY GROUP
	SKYTEL
	TRAVEL LADY THE
550	AIR MASTER
	ALTER, MADI H
	APPLE METRO INCORPORATED
	ASSOCIATED INSURANCE AGENCY OF WESTCHESTER INCORPORATED
	BEL AIRE PARTNERS LLC
	BERRY & BERRY BROKERAGE CORPORATION
	BURACK INVESTMENTS
	CARTON ROBIN ATTORNEY
	CBSI
	CLAREMON I N REAL ESTATE
	COHANE RAFFERTY SECURITIES
	CONTE & COMPANY
	CRAIG INTERNATIONAL AGENCY
	DIETER DEBBIE PT PC
	DIETRICH JEANNE PH D
	DIMARCO, MARY D
	EASTERN TENNIS ASSOCIATES
	FINANCIAL SOLUTIONS OF WESTCHESTER INCORPORATED
	FUSCO GOTTLIEB ASSOCIATE
	G A M C INCORPORATED
	GLUCKSMAN JAMES ATTORNEY
	GOLDKLANG ELISA MS
	GOLDKLANG, ELISA
	HALE BORENSTEIN LIMITED
	HARTSDALE PAGANO AGENCY
	HEALTHSOUTH SPORTS MEDICINE & REHABILITATION CENTER
	HERBST, AMALIE
	HERITAGE RETIREMENT RESOURCES
	HOMERICA MORTGAGE CORPORATION
	HOROWITZ ROBERT MANAGEMENT INCORPORATED
	INTEC GROUP

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MAMARONECK AVE 2000 (Cont'd)

550 JUDICIAL TITLE INSURANCE AG
JUDICIAL TITLE INSURANCE AGENCY
KAYDEN BERNARD H ATTORNEY
KEEVILY SPERO WHITELAW INCORPORATED
LANGUAGE & LEARNING ASSOCIATES
LARUSSO FRANK J CPA
LAWYERS TRAVEL SERVICE
MARKETING IMPACT INCORPORATED
MCCULLOUGH GOLDBERGER & STAUDT
MCCULLOUGH, FRANK S
MEENAN MCDEVITT & COMPANY INCORPORATED
MELNIKOFF RUTH ATTORNEY
MENDIK
METROPOLITAN COMMUNICATIONS
MONTROSE MILLS INCORPORATED
NATIONAL ASSOCIATION OF PHOTOGRAPHIC MANUFACTURERS INCORPORA
NICKOLETOS TINA ATTORNEY
OPUS THREE LIMITED
ORTHO NET
PARTNERS IN FAITH
PASTERNAK JOHNATHAN ATTORNEY
PENROSE ASSOCIATES
PHOTOGRAPHIC & IMAGING MANUFACTURERS ASSOCIATE INCORPORATED
PHOTOGRAPHIC & IMAGING MANUFACTURERS ASSOCIATES INCORPORATED
POSNER HERBERT N ATTORNEY
PROFESSIONAL SPORTS CARE
PROFESSIONAL SPORTS CARE MANAGEMENT
RAFFERTY CAPITAL MARKETS INCORPORATED
RAO B RAVINDRA
RAO, B R
RATTET HOLLANDER & PASTERNAK
RATTET HOLLANDER & PASTERNAK LLP
ROSALIND W ROTHMAN EDD
ROSALIND, W R
ROSEN DEVELOPMENT GROUP
ROSOFF DAVID ATTORNEY
ROTHMAN, R W
S K & C ADVERTISING
SCHNITZER ROSS & CO
SCHOEN KAPELUS & CIPRIANO
SELECT COVERAGE CORP
SHOGUN TRADING
SISCO FRANK A CPA
SKC ADVERTISING INCORPORATED
SKC ADVTNG INCORPORATED
SLOANE TRAVEL SERVICE
TAYLOR BENJAMIN I ATTORNEY
THE PARKER GROUP INCORPORATED
THE ZARKIN GROUP INCORPORATED
TITLE INSURANCE FROM JUDICIAL TITLE

MAMARONECK AVE 2000 (Cont'd)

550 U S TENNIS ASSOCIATION
WEATHERVANE TITLE INSURANCE
WESTCHESTER ADVISORY GROUP
WORLD TRAVEL SPECIALISTS
ZORBRE TRADING
600 ALLSTATE INSURANCE COMPANIES
ALLSTATE INSURANCE COMPANIES CLAIMS OFFICES
ASA ASSOCIATES LLC
BEHRINS KENNETH
BEHRINS, KENNETH
BUILDING MAINTENANCE SERVICE CORPORATION
CAMPBELL ROBERT
CAMPBELL, ROBERT
COM STOCK
COMPOSITES INSTITUTES
COMSTOCK
DAVIDOFF & BURASCA ATTORNEYS
DIRECTIONS FOR DECISIONS
EASTERN ASSOCIATION OF EQUIPMENT LESSORS
GLOECKNER FRED C & COMPANY
GOLDRICH DAVID L ATTORNEY
ICON ASSET ACQUISITION LLC
ICON CAPITAL CORPORATION
ICON CONFERENCE CENTER
ICON EXECUTIVE SUITES
INNOVAL SYSTEMS SOLUTIONS INCORPORATED
INTELLICOMP
KAMI REALTY TRUST LLC
KARP FAMILY ASSOCIATES
M G C GRIFFIN CAPITAL CORPORATION
MENDIK REALTY COMPANY
MORRIS KARP
MULLER JACQUELINE MD
NEW COURT LINC FINANCIAL
NEW YORK FOOD GROUP
NORTHERN BUSINESS SYSTEMS
PALAMAR MISR USA INCORPORATED
RATNER CLIFFORD M MD
RESIDENTIAL MORTGAGE CORP
RUSSO ALAN J ACCTNG
SEASONAL SPECIALTIES LLC
SPOOR BEHRINS CAMPBELL & YOUNG INCORPORATED
SPOOR, T R
STAFFING ADVANTAGE INCORPORATED
SUPER LAUNDRY EQUIPMENT CORP
THREE ARROWS COMPANY
W & Z DEVELOPMENT
YOUNG MICHAEL
YOUNG, MICHAEL

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MAMARONECK AVE 1995

440	BANK OF NEW YORK THE-WESTCHESTER/PUTNAM DIVISION-GENERAL INF
450	CITICORP EQUIPMENT FINANCE & LEASING
	CITICORP-CITICORP EQUIPMENT FINANCE & LEASING
480	CLUNE, J RUSSELL PC
	SVOBODA ROBERT, CPA
500	AMERICAN EXPRESS FINANCIAL ADVISORS INC
	AMERICAN INTERNATIONAL PUBLISHING INC
	ANSON & BERGER INC
	CANADA LIFE INS CO OF NEW YORK
	CASTLE OIL CORP
	FOOD CITY MARKETS
	IBM CORP-SALES
	INTERNATIONAL BUSINESS MAGAZINE
	LEGACY CONSTRUCTION CORP
	LEGACY GROUP
	LEGACY MANAGEMENT
	METRIC TOURS INC
	REL CONSULTANCY GROUP
	RESOURCE EVALUATION INC
	RICH WORLDWIDE TRAVEL INC
	SCHULMAN REALTY GROUP
550	AFFILIATED BUILDING SVCE INC
	AIR MASTER
	ALLIED BOARD OF TRADE INC
	AMAKASU AMERICA
	AMERICAN AEROSPACE INDUSTRIES INC
	ASSOCIATED INSURANCE AGENCY OF WESTCHESTER INC
	BELMED ADVTNG INC
	BERRY & BERRY BROKERAGE CORP
	BOOKKEEPING LINKS
	BUILDING MAINTENANCE SVC CORP
	BURACK, DANIEL
	CARDHOLDER BROKERAGE SVCES INC
	CARTON & ROSOFF, ATTY'S
	CARTON ROBIN, ATTY
	CBSI
	CERES CHEMICAL CO INC
	CLAREMON, I N, REAL ESTATE
	COHANE RAFFERTY SECURITIES INC
	CONTE & CO
	CONTINENTAL CREDIT CORP
	CORPORATE FOOD MANAGMNT INC
	CRAIG INTERNATIONAL AGENCY
	CREDIT CLEARING HOUSE
	D C I
	DEBTCHECK INC
	FUSCO GOTTLIEB ASSOC
	GLUCKSMAN, JAMES, ATTY
	GOLDRICH, DAVID
	HALE BORENSTEIN LTD

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MAMARONECK AVE 1995 (Cont'd)

550 HARTSDALE-PAGANO AGENCY
HEBEN & CO CPAS PC
HEBEN, EDWARD D, CPA
HERITAGE RETIREMENT RESOURCES
HICKS, STEPHEN L, ATTY
HOMERICA MORTGAGE CORP
HORIZON DESIGN
HOROWITZ, ROBERT MANAGEMENT INC
INSTITUTE FOR THE JEWISH FAMILY
JUDICIAL TITLE INSURANCE AGENCY INC
KAYDEN, BERNARD H, ATTY
KEEVILY SPERO-WHITELAW INC, INS
KLUGE, DONALD O, CPA
KRAWCHICK, HEBEN & CO, CPAS
LANGUAGE & LEARNING ASSOCS
LARUSSO, FRANK J, CPA
LAWYERS TRAVEL SERVICE
MARKETING IMPACT INC
MAYPRO INDUSTRIES INC
MC CULLOUGH, FRANK S, JR
MCCULLOUGH GOLDBERGER & STAUDT
MEENAN MC DEVITT & CO INC
MENDIK REALTY CO
MONTROSE MILLS INC
NATIONAL ASSN OF PHOTOGRAPHIC MFRS INC
NATIONAL CREDIT CLEARING HOUSE
NICKOLETOS, TINA, ATTY
PARMANN, MORTAGE
PARTNERS IN FAITH
PASTERNAK, JOHNATHAN, ATTY
POSNER, HERBERT N
PROFESSIONAL SPORTS CARE
PROFESSIONAL SPORTS CARE MANAGEMENT
PROFESSIONAL SPORTS CARE WESTCHESTER
RATTET HOLLANDER & PASTERNAK, LLP
RATTET, ROBERT L, ATTY
ROSALIND, W ROTHMAN, EDD
ROSEN DEVELOPMENT GROUP
ROSOFF DAVID, ATTY
ROTHMAN, ROSALIND W, EDD
ROURKE ANTHONY J J INC
SCHIFF, STEVEN
SCHNEIDER, SUSAN R, CSW
SCHOEN KAPELUS & CIPRIANO, ADVERTISING
SICKNESS AND ACCIDENT AGENCY INC
SLOANE JUDD S AGENCY INC
SLOANE TRAVEL SERVICE
STANDARD STEEL SECTIONS INC
STAUDT, JAMES, ATTY
TAYLOR, BENJAMIN I, ATTY

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MAMARONECK AVE 1995 (Cont'd)

550	THE ZARKIN GROUP INC
	TITLE INSURANCE BY JUDICIAL
	TITLE INSURANCE FROM JUDICIAL ABSTRACT CO
	U S TENNIS ASSN-EASTERN SECTIONAL OFCE
	WESTCHESTER ADVISORY GROUP
	WORLD TRAVEL SPECIALISTS
600	ABSOLUTELY WRITE INC
	AMERICAN CHIROPRACTIC NETWORK
	BEHRINS, KENNETH
	CAMPBELL, ROBERT
	CORPORATE FOOD MANAGEMENT INC
	DAVIDOFF, & BURASCA, ATTYS
	EASTERN ASSOCIATION OF EQUIPMENT LESSORS
	GLOECKNER FRED C & CO
	ICON CAPITAL CORP
	ICON CONFERENCE CENTER
	ICON EXECUTIVE SUITES
	ICON VIDEO CONFERENCE CENTER
	INNOVAL SYSTEMS SOLUTIONS INC
	MAYER, JAMES, ATTY
	MEYER & SPENCER, ATTYS
	MEYER, JAMES, ATTY
	ON LINE TELEPHONE INC
	PALAMAR MISR USA INC
	PHOTOGRAPHIC MFRS NATIONAL ASSN OF
	PREFERRED PLANNING ASSOC INC
	ROSEN, SARA M, ATTY
	RUSSO, ALAN J, ACCTNG
	SAV-A-TAX TORO LTD
	SPENCER, MATTHEW, ATTY
	SPOOR BEHRINS CAMPBELL & YOUNG INC
	SPOOR, T RICHARD
	TAYLOR & DOUGHERTY
	TOSCANO GOLDBERG INC
	YOUNG, MICHAEL

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MAMARONECK AVE 1992

440	BANK OF NEW YORK MORTGAGE CO
	BANK OF NEW YORK THE-WESTCHESTER/PUTNAM DIVISION-GENERAL INF
450	C I C
	CITICORP INDUSTRIAL CREDIT
480	CLUNE, J RUSSELL PC
	SVOBODA ROBERT, CPA
500	AMERICAN INTERNATIONAL PUBLISHING INC
	CASTLE OIL CORP
	FEINBERG ANSON & BERGER INC
	FOOD CITY SUPERMARKETS
	I B M CORP
	IBM CORP-SALES/BRANCH OFFICE
	IBM ROLM SYSTEMS
	IDS FINANCIAL SVCE
	INTERNATIONAL BUSINESS MAGAZINE
	RESOURCE EVALUATION LTD
550	AFFILIATED BUILDING SVCE INC
	ALLIED BOARD OF TRADE INC
	AMAKASU AMERICA
	AMERICAN AEROSPACE INDUSTRIES INC
	BELMED ADVTNG INC
	BERRY & BERRY BROKERAGE CORP
	BRONDOW INC
	CAMDEN FIRE INSURANCE ASSN THE
	CARDHOLDER BROKERAGE SVCES INC
	CBSI
	CERES CHEMICAL CO INC
	COHANE RAFFERTY SECURITIES INC
	CONTE & CO
	CONTINENTAL CREDIT CORP
	CORPORATE FOOD MANAGMNT INC
	CRAIG INTERNATIONAL AGENCY
	CREDIT CLEARING HOUSE
	D'HOOGE USA, LAUNDRY EQUIP
	DEBTCHECK INC
	EASTERN TENNIS ASSN
	EMPIRE FINANCIAL CORP
	ESCO INDUSTRIES INC
	FARRIS, A T
	FEDERAL INDUSTRIES
	FERRIS, A T
	FUSCO GOTTLIEB ASSOC
	GAMBESKI, GEORGE P, ATTY
	GENERAL ACCIDENT INSURANCE COMPANY OF AMERICA
	GEOGHEGAN, JOHN A, ATTY
	GOLDRICH, DAVID
	HERITAGE RETIREMENT RESOURCES
	HICKS, STEPHEN L, ATTY
	HOMERICA INC
	HOROWITZ, ROBERT MANAGEMENT INC

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✓	-	EDR Digital Archive

MAMARONECK AVE 1992 (Cont'd)

550 JACOBS & MOSKOWITZ, ATTY
KAPLOW COMMUNICATIONS
KINGSON INTERNATIONAL CO INC
LANGUAGE & LEARNING ASSOCS
LAWYERS TRAVEL SERVICE
MARKETING IMPACT INC
MAYPRO INDUSTRIES
MAYPRO INDUSTRIES INC
MC CULLOUGH, FRANK S, JR
MCCULLOUGH GOLDBERGER & STAUDT
MEENAN MC DEVITT & CO INC
MENDIK REALTY CO
NATIONAL ASSN OF PHOTOGRAPHIC MFRS INC
NATIONAL CREDIT CLEARING HOUSE
NOSKIN, DENNIS ARCHITECT PC
PARTNERS IN FAITH
PASTERNAK, JOHNATHAN, ATTY
PENNSYLVANIA GENERAL INSURANCE CO
POTOMAC INSURANCE CO OF ILLINOIS
PROFESSIONAL SPORTS CARE WESTCHESTER
PRUDENTIAL INSURANCE COMPANY OF AMERICA THE-ORDINARY AGENCIE
RATTET & COMPANY P C
ROSALIND, W ROTHMAN, EDD
ROTHMAN, ROSALIND W, EDD
ROURKE ANTHONY J J INC
SCHNEIDER, SUSAN R CSW
SICKNESS AND ACCIDENT AGENCY INC
SLOANE JUDD S AGENCY INC
SLOANE TRAVEL SERVICE
STANDARD STEEL SECTIONS INC
STAUDT, JAMES, ATTY
TAYLOR, BENJAMIN I, ATTY
UNORTHODOX DESIGN INC
WORLD TRAVEL SPECIALIST
WORLD TRAVEL SPECIALISTS
600 PHOTOGRAPHIC MFRS NATIONAL ASSN OF

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MAMARONECK AVE 1987

● **MAMARONECK AVE** **10528**
Harrison PO
1– END CT 84.01 $A..J 5

380	Garth Apres	.84	698-1766
400★	Andor	.85	698-3826
	J Franco	.84	698-3780
440★	The Bank of New Yk	.80	899-6000
450★	CIC	.82	899-7000
★	Citicorp Indstrl C	.81	899-7000
480★	J R Clune PC	.85	698-8200
500★	Harmonay Co	.81	698-6850
550★	Alfano&Alfano Aty	.74	835-4411
★	Allied Bd of Trade	.83	381-5200
★	AM Arspc Inds Inc	.83	698-9379
★	Herbert Beenhouwer	.79	698-5711
★	Brondow Inc	.74	698-6544
★	Camden Fire Ins	.84	698-3301
★	Continental Crdt	.85	381-2204
★	Credit Clearng Hse	.75	381-2204
★	Evergreen Fund Inc	.79	698-5711
★	A T Farris	.74	698-6544
★	Federal Industries	¤	698-1539
★	A T Ferris	.74	698-6544
★	Wm S Friedman Aty	.81	381-4300
★	General Accdnt Ins	.74	698-3301
★	J A Geoghegan Aty	.81	381-4300
★	W L Hamilton Ins	.75	833-0820
★	S L Hicks Aty	.85	381-4300
★	ITEK Graphic	.74	835-4400
★	Kingson Intrntl Co	.74	698-8304
★	Lncstr Sys Inc	.85	698-5556
★	F J Larusso CPA	.85	835-1341
★	Lieber&Co	.82	698-5711
★	Stephen A Lieber	.79	698-5711
★	Mktng Systm of Amr	.85	381-5511
★	Hon F S McCullough	.81	381-4300
★	Mendik Realty Co	¤	698-6409
★	Mendik Realty Co	¤	698-6571
★	Mitchell Sndwch	.85	835-6555
★	National Credt Clr	.75	381-2361
★	NW Dimension Hsing	¤	835-4600
★	PHP International	.77	698-9374
★	Penn Genl Insur Co	.74	698-3301
★	Petrillium Inc	.82	698-0111
★	Plumbers Fund	.74	698-6449
★	Plumbers Pension	.74	698-3345
★	Plumbers Welfare	.74	698-3344
★	Plus Mktng Intrntl	.85	381-2333
★	Potomac Ins Co	.74	698-3301
★	Prudential Ins Co	.75	698-3903
★	Prdntl Ins Amrc Br	.83	698-2841
★	A J J Rourke Inc	.74	698-9100
★	Sxn Wds Asst Mngmt	.79	698-5711
★	James Staudt Aty	.81	381-4300
★	B I Taylor Aty	.81	381-4300
★	Taylor&Asc Aty	.81	381-4300
★	U A Dist Council 12	.74	698-6449
600★	IBM Corp		899-4100
★	Frank M Katz Inc	.76	835-4202
★	Ntl Assn Photgrphc		698-7603
★	Photographic Mfrs		698-7603
★	Rapa Restaurants	.77	381-2452
NO #★	Acorn Landscp&Gdn		698-7846

2 RESIDENCE 58 BUSINESS

● **MAMARONECK AVE** **10543**
Mamaroneck PO
1– 499 CT 71 $A..K 5
500– 1999 CT 73 $B..J 5

▬ MAMARONECK

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MAMARONECK AVE 1982

MAMARONECK AVE 10528
Harrison PO
1- END TZ 8401 $A..P 3
072910

400	NP	
440	★Bank of Commerce ¤	899-6014
	★Bank of Commerce ¤	899-6705
	★Bank of Commerce ¤	899-6147
	★Bank of Commerce ¤	899-6000
482	Brian Roberts ¤	698-3628
486	★A-1 Suburb Carting ¤	835-4382
550	★Alfano&Alfano Atty	835-4411
	★Herbert Beenhouwer	698-5711
	★L Berger Assocs	698-2260
	★Beumer Corp	381-2332
	★Brondow Inc	698-6544
	★Camden Fire Ins	698-3301
	★Clune&Assocs	698-8200
	★Contl Credit Cntrl	381-2204
	★Corroon&Black ¤	698-8030
	★Credit Clearng Hse	381-2204
	★J F Ecclesine Ins	381-2304
	★Evergreen Fund Inc	698-5711
	★Evrgrn Ttl Rtn Fnd	698-5711
	★A T Farris	698-6544
	★Gen Accidnt Fre&Lf	698-3301
	★General Accidnt Gr	698-3301
	★W L Hamilton Ins	381-2300
	★M Harmonay Corp	698-6850
	★Haver Filng System	381-2000
	★Importers Claims	835-3474
	★ITEK Graphic Prods	835-4400
	★Kingson Intrntl Co	698-8304
	★Krupp Internationl	381-2000
	★Krupp Steel Prods	698-4707
	★I Lefkowitz Archt	698-2882
	★Lend Lease-Car Lsg	698-4170
	★Stephen A Lieber	698-5711
	★Luckower Herbrt&Co	698-7404
	★J A Maria Atty	698-8200
	★E F C McLaughlin	698-7065
	★NY Cty Clng Sv Inc	698-8600
	★Natl Assn Prtg Ink	698-1004
	★National Credt Clr	381-2361
	★Nationwide Insr Co	381-2277
	★Nationwide Ins Co	381-2466
	★Northwstrn Mutl Lf	381-2300
	★Northwstrn Mutl Lf	381-2303
	★Nrthwstrn Mtl Life	381-2304
	★NW Mutual Life Ins	381-2300
	★Northwtn Life Ins	381-2302
	★Nrthwstrn Mtl Life	381-2881
	★NW Mutual Life Ins	381-2307
	★Nrthwstrn Mtl Life	381-2309
	★M J OBrien Inc	698-9505
	★Php International	698-9374
	★H R Pedersen Cl Sv	835-3474
	★Penn Genl Insur Co	698-3301
	★Plumbers Fund	698-6449
	★Plumbers Pension	698-3345
	★Plumbers Welfare	698-3344
	★Poloron Prods Inc	381-2800
	★Potomac Ins Co	698-3301
	★Presto Prods Inc	698-3001
	★Property Mgt Systm	698-6409
	★Property Managemt	698-6571
	★A J J Rourke Inc	698-9100
	★Sxn Wds Asst Mngmt	698-5711
	★A L Schiavetti Aty	698-8200
	★Siemers Steamship	835-4845
	★Eugene Singer	698-0111
	★Superior Maintnanc	698-8600
	★J O Todd Organiztn	381-2304
	★Trinder&Norwood	381-2333
	★U A Dist Council 12	698-6449
600	★Evergreen Fund	698-5711
	★Evergreen Total Rt	698-5711
	★General Electric	899-8244
	★General Electric	899-8220
	★IBM Corp	899-4100
	★IBM Corp ¤	899-4493
	★IBM Corp ¤	899-4576
	★IBM Corp	698-7003
	★IBM Corp	698-3133
	★IBM Corp	765-3017
	★Frank M Katz Inc	835-4202
	★Lieber&Co	698-5711
	★Stephen A Lieber	698-5711
	★Ntl Assn Photgrphc	698-7603
	★Photographic Mfrs	698-7603
	★Rapa Restaurants	381-2452
	★Rapa Restrnts Inc	835-2127
No #	★Acorn Landscp&Gdn	698-7846
No #	★Frank Briscoe Co	698-9290
No #	P Settler -	698-6312

3 Residence 88 Business

MAMARONECK AVE 10543

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MAMARONECK AVE 1977

10704
8K Cross Cnty Shpg Ct YO8-9570
K Cross Cnty Shpg Ct GR6-5577
K Lewis F Huck YO8-9570
P Learning Corner 476-3547
7★Cross Co Optical ¤ 963-2007
8★Paperback Booksmth 969-3440
11★Albert Gifles Cppr 965-0977
★Copper Shop 965-0977
14★F W Woolworth Vrty YO9-7103
19★Baskin-Robbins Str ¤ 968-2175
20★Bakers Shoe Store 969-9417
★Chandlers Shoe St YO9-8912
★Jeans West 969-9745
21★Cross Cnty Jewelrs 965-3377
★Ben Gordon Jwlry 965-3377
25★Wiskers Restrnt 969-3857
29★Walgreen Drugs 969-6065
37★Plymouth Shops Inc YO9-8954
26 Business

MALVERN LN 10583
Scarsdale PO
1- END TZ 5401 SA P 4
6 William D Barry 3 725-5260
7 John T Larussa 8 472-0618
17 Sidney Mills 3 725-2719
26★Dr Irwin J Cohen SC3-7028
27 Rose Levine 5 725-4684
Hy Shor 5 725-4684
36 Irving S Rapaport 1 472-5120
37 NP
43 Jerome A Koch SC5-2356
46★Dr Harry Scher 472-4610
47 Lewis Cohen 723-8017
Lewis Cohen 723-8363
56 NP
63 Anthony Frisina 723-0716
66★DPL Interiors Inc 723-7174
Ted A Kohl 723-7173
67 Ben Goldberg 723-7482
Donald Goldberg 723-7813
15 Residence 3 Business

MALVERN RD 10583
Scarsdale PO
1- END TZ 2105 SA P 5
11 NP
12 Carl H Dniessnack 1 472-5613
32 E Smythe 0 472-0178
42 Joseph Sapienza ¤ 472-0894
47 Fred Canzone 1 472-5956
54 Mrs R H Gadomski SC5-0474
62 Maxwell Trietter 8 725-4292
70 Chas J Tanenbaum SC3-6546
71 William McHugh SC3-2024
74 Henning Kjeldgaard 4 725-0638
80 NP
100 Maximilian Weil 3 SC3-1308
12 Residence

MAMANASCO RD 10512
Lake Carmel
Rd 5 Carmel PO
3 NP
5 I H Rosenblatt 8 225-4722
8 Carl Friedmann 9 225-2442
No # Theodore Phister 9 CA5-4677
4 Residence

MAMARONECK AVE 10528
Harrison PO
1- END TZ 8401 SA P 3
400 Jack McKenna 4 OW8-5654
550★Alfano&Alfano Atty 835-4411
★L Berger Assocs 698-2260
★C G Brimmekamp&Co- 381-2000
★Brondow Inc 698-6544
★Camden Fire Ins 698-3301
★Clune&Assocs 698-8200
★Chantrill Clune 698-1040
★Compensatn Progrms 698-8030
★Contntl Kitchens 835-0417
★Contl Credit Cntrl ¤ 381-2204
★Credit Clearng Hse 381-2204
★Dartmouth Plan Inc 698-4040
★J F Ecclesine Ins 381-2304
★Fafnir Bearing 835-2300
★Fafnir Bearing ¤ 835-2300
★A T Farris 698-6544
★Five Star Food 698-7440
★Foodways Intrl Mkt 698-0779
★Gallagher-Bassett 835-5094
★Gen Accidnt Fre&Lf 698-3301
★General Accidnt Gr 698-3301
★W L Hamilton Ins 381-2300
★M Harmonay Corp 698-6850
★Hartford Ins Group 698-0092
★Importers Claims ¤ 835-3474
★ITEK Graphic Prods 835-4400
★Kingson Intrntl Co 698-8304
★Kornbergs Sales ¤ 698-2710
★Krupp Internationl – 381-2000
★Krupp Steel Prods – 698-4707
★I Lefkowitz Archt – 698-2882
★E F C McLaughlin 698-7065
★National Assn 698-1004
★National Car Rentl 698-4170
★National Credt Clr 381-2361
★Nationwide Ins Co 381-2466
★Northwstrn Mutl Lf 381-2300
★Northwstrn Mutl Lf 381-2303
★Northwstrn Mutl Lf 381-2304
★Nrthwstrn Mtl Life 381-2300
★Northwstrn Mutl Lf 381-2307
★Northwstrn Mutl Lf 381-2306
★Northwtn Life Ins 381-2302
★Nrthwstrn Mtl Life 381-2881
★Nrthwstrn Mtl Life 381-2309
★Northwtn Life Ins 381-2300
★M J OBrien Inc 698-9505
★H R Pedersen Cl Sv ¤ 835-3474
★Penn Genl Insur Co 698-3301
★Plumbers Fund 698-6449
★Plumbers Pension 698-3345
★Plumbers Welfare 698-3344
★Poloron Prods Inc 381-2800
★John A Porter Ins 381-2302
★Potomac Ins Co 698-3301
★Presto Prods Inc 698-3001
★Prudential Ins Co 698-3903
★Pyrotronics 381-2505
550★A J J Rourke Inc 698-9100
★Saxon Wd Ofc Ctr 2 698-3075
★A L Schiavetti Aty 698-8200
★W H Siemers Agcy 835-4845
★Trinder&Norwood 381-2333
★Tucci Corp 698-1040
★U A Dist Council 12 698-6449
★Vydec Inc 698-9500
600★American Can Co 698-9102
★Herbert Beenhouwer 698-5711
★Coffee Break Assoc 835-4712
★Genl Electric Co 698-7450
★IBM Corp 698-7003
★IBM Corp 698-7201
★IBM Corp 698-3133
★IBM Corp 785-3017
★Frank M Katz Inc ¤ 835-4202
★Lieber&Co 698-5711
★Stephen A Lieber 698-5711
★Ntl Assn Photgrphc 698-7603
★Photographic Mfrs 698-7603
★Saxon Wd Asst Mngt 698-5711
★Saxon Woods Center 698-5215
★The Evergreen Fund 698-5711
★The Evergrn Fund 698-5711
No # ★Acorn Landscp&Gdn 698-7846
No # ★Boy Scouts of Amer 698-2838
No # Franklin I Gamwell 5 698-4256
No # Vincent N Vitti 698-2838
No # George B Voetsch 698-3628
4 Residence 85 Business

MAMARONECK AVE 10543
Mamaroneck PO
1- 499 TZ 71 SA R 3
500- 1999 TZ 73 SC P 3
MAMARONECK
HARBOR
BOSTON POST RD
100★A T Aloisi Plmb&Ht 835-0066
★A J Berret Inc 381-2040
★Burns&Assocs Attys 698-7170
★G R Corwin Atty 698-2746
★Wm H Eldridge Adv 834-2428
★Geismar&Co Inc 698-3567
★Mr Systems Inc 381-2889
★B C Meighan Lwyr OW8-0100
★H Meighan Lwyr OW8-0100
★J D Meighan Lwyr OW8-0100
★Meighan&Necarsulmr OW8-0100
★Microfilm Records 381-2889
★J A Minnitti Atty 698-9300
★Minnrti&Pirro Atty 698-9300
★P J Monsell Atty – 698-5874
★Newspaper Inst Inc 698-7488
★A J Pirro Atty ¤ 698-9300
★Vinco Bldg Corp ¤ 698-8894
101★Union Savings Bank 698-9200
102★Vincent Cerow&Co 698-3144
★V E Cerow Atty&CPA 698-3144
★Meta-Glo Corp 698-8701
★S B Nathan CPA 698-3144
★Roth Pac Inc 698-8701
1 PROSPECT AV
105★Mitchell Keller 698-3855
108★Firestone Tire&Co OW8-5177
★Sound Tire&Supply OW8-5177
111★Treasur N Trifles 698-5428
113★Village Barber Shp ¤ 698-4828
114 NP
115 Alice W Jones ¤ 698-0331
William J Kinlow 3 698-1525
116★Cortlandt Antiques 698-4395
Mrs Helen Dahlgren 2 698-5066
117 Albert F Greer 0 OW8-5877
Joseph Tierney 5 698-1588
118★Dr R Gottlieb ¤ 698-1110
120★Bobs Hobby Shop 698-4655
121★Mamk Fish Mkt OW8-1048
★Mamk Sea Food OW8-1048
122★Anita Heilman Antq 698-3095
★Antique Wholesaler 698-3095
123★Arts&Ends 698-3464
124★Gallery 124 Inc 698-7069
125 K Elston 0 698-6824
Rene Garcia 0 698-7333
Mrs Leola F Jones 5 698-8497
Mrs E McKeiver 0 698-7728
Margaret Murphy 0 698-3693
Steven R Smith 5 698-9538
126★Totem Treasures 698-2213
127★Town Hse Restrnt 698-9855
★Town House Restr 698-8626
128★Acme Plating&Plshng 698-0910
130★C&L Grocery ¤ 698-7368
131 Patsy Blanco OW8-1957
★Manor Faille Inc 698-5616
★Vinnys Pizzeria 698-6186
★Vinnys Pizzeria 698-9852
132★H Deravakian 698-6728
133★E J Lewis Typwritr 698-9025
134★Harbor Coins&Stmps 698-5671
135★Yesterdays Antiqs 690-4369
136★Mamaroneck Travl B 698-0700
★L Silvestri Travl 698-0700
137★Friendly Svc Lndry OW8-2245
138★Discount Film Stre 698-9730
139 Stephen Lucero ¤ 381-2566
Ralph E Waful 4 698-2616
Anny Wildmann 0 698-6534
141 Kenneth J Baron 0 698-5446
Walter Mirgoni ¤ 698-1715
142★Christian Science OW8-0522
★First Ch of Christ OW8-0522
143★Browers Applnce 698-4111
151★Chatsworth Auction 698-1001
★S Lightbody Mover 698-1001
152★Fruitarama ¤ 698-9648
154 Jose Pinto ¤ 698-4317
155 Pastor A Horta 5 698-7844
Mrs M A Schramm OW8-6867
156★Julies Botique 698-0166
157★Feriou Decorators ¤ 381-2790
★Lymans Antiques 698-2373
★The Unusual Shop 698-7289
158★Village Lunchnet 698-9822
4 PALMER AV
205★Sirlins Inc OW8-5550
210★Cappus Pharmcy OW8-4200
★Cappus Pharmcy 698-4202
211★Reuben Sirlin Atty 698-3930
★Roger Sirlin Atty 698-3930

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MAMARONECK AVE 1972

```
   32 E SMYTHE                0 4720178
   36 IRVING S RAPAPORT -4725120
   47 FRED CANZONE          ¤4725956
   54 RICHARD R GADOMSKI
                            4 SC50474
   62 FLORA BORTNER         8 7254292
      MAXWELL TRETTER       8 7254292
   70 CHAS J TANENBAUM        SC36546
   71 WILLIAM MCHUGH        4 SC32024
   74 BENNY KIMBERG         0 7250638
   80 SAM FRIEDLANDER       7 SC36915
  100 M WEIL                4 SC31308
     15 RESIDENCE

MAMARONECK AVE                 10707
.................................
      CRESTWOOD
      YONKERS PO
  224 THOS J SPELLMAN JR
                            2 DE70951
      1 RESIDENCE

MAMARONECK AVE                 10528
.................................
      HARRISON PO
...     1-  END T    8401 $A..P 3
  400 MRS B S MARKS          OW85654
  600*AMERICAN CAN CO        6989102
      HERBERT BEENHOUWER     6985711
     *COFFEE BREAK ASSOC¤8354712
     *GENL ELECTRIC CO       6987450
     *IBM CORP               6984100
     *IBM CORP               6983133
     *IBM CORP               6987003
     *LIEBER&CO              6985711
      STEPHEN A LIEBER       6985711
     *NTL ASSN PHOTGRPHC     6987603
     *PHOTOGRAPHIC MFRS      6987603
     *SAXON WD ASST MNGT¤6985711
     *SAXON WOODS CENTER     6985215
     *THE SERVICE BUS        6983903
     *THE EVERGREEN FUND¤6985711
 NO #*ACORN LANDSCP&GDN      6987846
 NO # GARTH APRESS          ¤6983574
 NO #*BOY SCOUTS OF AMER     6982838
 NO #*M HARMONAY CORP        6989700
 NO # VINCENT N VITTI        6982838
 NO # GEORGE B VOETSCH       6983628
      6 RESIDENCE     16 BUSINESS

MAMARONECK AVE                 10543
.................................
      MAMARONECK PO
...     1-  499 T    71    $A..R 3
...   500- 1999 T    73    $D..P 3
  ..  MAMARONECK              ..
  ..  HARBOR                  ..
  ..  BOSTON POST             ..
  ..  RD                      ..
  100*EST OF A K GRIFFEN     OW80370
     *J J JOHNSTON ATTY      6982544
     *MR SYSTEMS INC        ¤3812889
```

500 Mamaroneck Ave
500 Mamaroneck Ave
Harrison, NY 10528

Inquiry Number: 6602268.6
August 02, 2021

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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500 MAMARONECK AVE
500 MAMARONECK AVE
HARRISON, NY 10528

Inquiry Number: 6602268.7S
AUGUST 3, 2021

EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

500 MAMARONECK AVE
500 MAMARONECK AVE
HARRISON, NY 10528

RESEARCH SOURCE

Source 1: WESTCHESTER COUNTY RECORDER'S OFFICE

Source 2: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PROPERTY INFORMATION

Deed 1

Type of Deed:	BARGAIN AND SALE DEED
Title is vested in:	ESRT 500 MAMARONECK AVENUE, LLC
Title received from:	500 MAMARONECK AVENUE L.P. AND VIVIANE PARIS, LLC
Date Executed:	10/07/2013
Date Recorded:	10/21/2013
Book:	NA
Page:	NA
Volume:	NA
Instrument#:	532783021
Docket:	NA
Land Record Comments:	NA
Miscellaneous Comments:	NA

Legal Description:	BEGINNING AT A POINT ON THE EASTERLY SIDE OF MAMARONECK AVENUE DISTANT 1130.11 FEET SOUTHERLY AS MEASURED ALONG SAME, FROM ITS INTERSECTION WITH THE SOUTHERLY SIDE OF UNION AVENUE; DESCRIBED AS FOLLOWS
Current Owner:	ESRT 500 MAMARONECK AVENUE, LLC
Property Identifiers:	2801-000-482-00000-000-0008
Comments:	NA

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

Other AUL's: Found ☐ Not Found ☒

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

MISCELLANEOUS

Comments: NONE IDENTIFIED.

EDR Environmental Lien and AUL Search

DEED EXHIBIT

The Office of the Westchester County Clerk: This page is part of the instrument; the County Clerk will rely on the information provided on this page for purposes of indexing this instrument. To the best of submitter's knowledge, the information contained on this Recording and Endorsement Cover Page is consistent with the information contained in the attached document.

532783021DED004V

Westchester County Recording & Endorsement Page

Submitter Information

Name:	First American Title Ins. NY Divison	Phone:	212-922-9700
Address 1:	633 Third Avenue	Fax:	212-922-0881
Address 2:		Email:	WestchestereRecordings@firstam.com
City/State/Zip:	New York NY 10017	Reference for Submitter:	529434/is

Document Details

Control Number: **532783021** Document Type: **Deed (DED)**

Package ID: 2013100500010001003 Document Page Count: **7** Total Page Count: **8**

Parties

☐ Additional Parties on Continuation page

1st PARTY		2nd PARTY	
1: 500 MAMARONECK AVENUE L P	- Other	1: ESRT 500 MAMARONECK AVENUE LLC	- Other
2: VIVIANE PARIS LLC	- Other	2:	

Property

☐ Additional Properties on Continuation page

Street Address: 500 MAMARONEK AVENUE Tax Designation: -482-8

City/Town: HARRISON Village:

Cross- References

☐ Additional Cross-Refs on Continuation page

1: 2: 3: 4:

Supporting Documents

1: RP-5217 2: TP-584 3: TP-584.1

Recording Fees

Statutory Recording Fee:	$40.00
Page Fee:	$40.00
Cross-Reference Fee:	$0.00
Mortgage Affidavit Filing Fee:	$0.00
RP-5217 Filing Fee:	$250.00
TP-584 Filing Fee:	$5.00
Total Recording Fees Paid:	**$335.00**

Transfer Taxes

Consideration:	$41,229,043.55
Transfer Tax:	$164,918.00
Mansion Tax:	$0.00
Transfer Tax Number:	3777

Mortgage Taxes

Document Date:

Mortgage Amount:

Basic:	$0.00
Westchester:	$0.00
Additional:	$0.00
MTA:	$0.00
Special:	$0.00
Yonkers:	$0.00
Total Mortgage Tax:	**$0.00**

Dwelling Type: Exempt: ☐

Serial #:

RECORDED IN THE OFFICE OF THE WESTCHESTER COUNTY CLERK

WESTCHESTER COUNTY SEAL

Recorded: 10/21/2013 at 03:23 PM

Control Number: **532783021**

Witness my hand and official seal

Timothy C.Idoni
Westchester County Clerk

Record and Return To

☐ Pick-up at County Clerk's office

Clifford Chance, L.L.P.
31 West 52nd Street

New York, NY 10019

3020-529434

BARGAIN AND SALE DEED WITHOUT COVENANT AGAINST GRANTOR'S ACTS

THIS INDENTURE, made as of the 7th day of October, 2013, **BETWEEN** 500 MAMARONECK AVENUE L.P., a Delaware limited partnership, having an office c/o Malkin Holdings LLC, One Grand Central Place, 60 East 42nd Street, New York, New York 10165 and VIVIANE PARIS, LLC, a New York limited liability company, having an address at 475 Park Avenue, Apartment 11C, New York, New York 10022 (collectively, "Grantor"), and ESRT 500 MAMARONECK AVENUE, L.L.C., a Delaware limited liability company, having an office at c/o Empire State Realty Trust, Inc., One Grand Central Place, 60 East 42nd Street, New York, New York 10165 ("Grantee").

WITNESSETH, that Grantor, in consideration of Ten Dollars and other valuable consideration, paid by Grantee, does hereby grant and release unto Grantee, the heirs or successors and assigns of Grantee forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the City of Harrison, County of Westchester and State of New York and more particularly described on Schedule A annexed hereto and made a part hereof, being the same premises conveyed to Grantor by that certain Bargain and Sale Deed Without Covenant Against Grantor's Acts from 500 Mamaroneck Avenue Associates dated April 30, 1999 and recorded on May 6, 1999 in Liber 12289 Cp 181 in the Office of the Westchester County Clerk,

TOGETHER with all right, title and interest, if any, of Grantor in and to any streets and roads abutting the above described premises to the center lines thereof,

TOGETHER with the appurtenances and all the estate and rights of the party of Grantor in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the Grantee, the heirs or successors and assigns of the party of the second part forever.

AND Grantor, in compliance with Section 13 of the Lien Law, covenants that Grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

[*Signature Page Follows*]

IN WITNESS WHEREOF, Grantor has duly executed this deed as of the day and year first above written.

GRANTOR:

500 MAMARONECK AVENUE L.P.,
a Delaware limited partnership

By: MALKIN 500 Mamaroneck L.L.C., its general partner

By:_____
Name: Anthony E. Malkin
Title: Managing Member

VIVIANE PARIS, LLC,
a New York limited liability company

By: 500 MAMARONECK AVENUE L.P.,
its authorized signatory

By: MALKIN 500 Mamaroneck L.L.C., its general partner

By:_____
Name: Anthony E. Malkin
Title: Managing Member

[SIGNATURE PAGE – DEED]

ACKNOWLEDGMENT IN NEW YORK STATE (RPL 309-a)

State of New York)
) ss.:
County of New York)

On October 1, 2013, before me, the undersigned, personally appeared Anthony E. Malkin

personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

IRENE PROFETTO
NOTARY PUBLIC, State of New York
No. 01PR4986287
Qualified in Queens County
Commission Expires Sept. 9, 2017

Irene Profetto
(signature and office of individual taking acknowledgement)

ACKNOWLEDGMENT IN NEW YORK STATE (RPL 309-a)

State of New York)
) ss.:
County of New York)

On October 1, 2013, before me, the undersigned, personally appeared Anthony E. Malkin

personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Irene Profetto
(signature and office of individual taking acknowledgement)

IRENE PROFETTO
NOTARY PUBLIC, State of New York
No. 01PR4986287
Qualified in Queens County
Commission Expires Sept. 9, 2017

SCHEDULE A
LEGAL DESCRIPTION

ALL THAT PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE TOWN AND VILLAGE OF HARRISON, COUNTY OF WESTCHESTER AND STATE OF NEW YORK BEING MORE PARTICULARLY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY SIDE OF MAMARONECK AVENUE DISTANT 1130.11 FEET SOUTHERLY AS MEASURED ALONG SAME, FROM ITS INTERSECTION WITH THE SOUTHERLY SIDE OF UNION AVENUE;

THENCE SOUTH 61° 59' 42" EAST, 74.98 FEET;
SOUTH 86° 51' 45" EAST, 291.97 FEET;
NORTH 48° 08' 15" EAST, 372.87 FEET TO LANDS KNOWN AS RESUBDIVISION MAP OF A PORTION OF PLEASANT RIDGE HEIGHTS MAP NO. 7877;

THENCE ALONG SAID LAST MENTIONED LANDS, THE FOLLOWING COURSES AND DISTANCES:

SOUTH 3° 08' 15" WEST, 125.43 FEET;
SOUTH 58° 32' EAST, 76.82 FEET;
SOUTH 58° 02' EAST, 132.06 FEET;
SOUTH 58° 22' 20" EAST, 85.83 FEET;
SOUTH 59° 51' 45" EAST, 11.46 FEET;
SOUTH 77° 09' 30" EAST, 32.01 FEET;
SOUTH 78° 59' 50" EAST, 57.07 FEET;
SOUTH 77° 37' 10" EAST, 56.02 FEET;
SOUTH 82° 48' 45" EAST, 39.27 FEET;
SOUTH 77° 27' 50" EAST, 67.40 FEET;
SOUTH 75° 22' 15" EAST, 62.30 FEET;
SOUTH 74° 11' EAST, 90.55 FEET;
SOUTH 75° 07' 20" EAST, 114.39 FEET TO LANDS NOW OR FORMERLY OF RENEE R. LANDAU;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS SOUTH 40° 30' 20" WEST, 67.73 FEET AND SOUTH 42° 17' 03" WEST, 87.16 FEET TO LANDS NOW OR FORMERLY OF JOSEPHINE BIRNBAUM;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS THE FOLLOWING COURSES AND DISTANCES:

SOUTH 77° 59' 54", WEST, 35.77 FEET,
NORTH 88° 44' WEST, 33.03 FEET;
SOUTH 23° 20' 08" WEST, 77.95 FEET;
SOUTH 28° 15' 16" WEST, 50.21 FEET;

SOUTH 38° 38' 58" WEST, 17 FEET;
SOUTH 44° 16' 33" WEST, 157.81 FEET;
SOUTH 59° 33' 16" EAST, 64.10 FEET;
SOUTH 32° 02' 14" WEST, 126.34 FEET;
SOUTH 63° 36' 04" EAST, 220.55 FEET;
SOUTH 64° 26' 20" EAST, 101.07 FEET;
SOUTH 59° 59' EAST, 20.13 FEET;
SOUTH 63° 39' 55" EAST, 40.06 FEET;
SOUTH 62° 49' 03" EAST, 123.24 FEET;
SOUTH 63° 43' 29" EAST, 257.23 FEET;
SOUTH 53° 18' 50" EAST, 275.42 FEET TO THE WESTERLY SIDE OF WINFIELD AVENUE;

RUNNING THENCE ALONG SAID WESTERLY SIDE OF WINFIELD AVENUE IN A SOUTHERLY DIRECTION ON A CURVE TO THE LEFT HAVING A RADIUS OF 1,050 FEET A DISTANCE OF 27 FEET TO LANDS NOW OR FORMERLY OF ELIZABETH G. BROOKS;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS THE FOLLOWING COURSES AND DISTANCES:

NORTH 53° 18' 50" WEST, 283.35 FEET;
NORTH 63° 43' 29" WEST, 255.15 FEET;
NORTH 62° 49' 03" WEST, 13.22 FEET;
SOUTH 34° 31' 20" WEST 365.57 FEET TO LANDS KNOWN AS SUBDIVISION MAP OF WINFIELD ACRES COUNTY CLERK MAP NO. 16632;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS NORTH 73° 09' 20" WEST, 46.55 FEET;

NORTH 73° 45' 10" WEST, 287.23 FEET;
NORTH 73° 53' WEST 103.08 FEET TO LANDS NOW OR FORMERLY OF THE PRUDENTIAL INSURANCE COMPANY OF AMERICA;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS;

SOUTH 78° 49' WEST, 408.68 FEET;
SOUTH 79° 49' 20" WEST, 131.02 FEET;
SOUTH 80° 20' 10" WEST, 210.22 FEET;
NORTH 21° 57' WEST, 48.57 FEET TO LANDS NOW OR FORMERLY OF J. RUSSELL CLUNE;

RUNNING THENCE ALONG SAID LAST MENTIONED LANDS THE FOLLOWING COURSES AND DISTANCES:

NORTH 0° 47' 10" EAST, 25.97 FEET;
NORTH 10° 15' 50" WEST, 189.28 FEET;
NORTH 25° 54' 20" EAST, 13.09 FEET;

NORTH 82° WEST, 158.59 FEET TO THE EASTERLY SIDE OF MAMARONECK AVENUE;

RUNNING THENCE ALONG SAID EASTERLY SIDE OF MAMARONECK AVENUE NORTH 8° 03' 20" EAST, 435.37 FEET;

THENCE IN A NORTHERLY DIRECTION ON A CURVE TO THE LEFT HAVING A RADIUS OF 2,915 FEET A DISTANCE OF 250.14 FEET;

THENCE NORTH 3° 08' 20" EAST, 300 FEET TO THE POINT OR PLACE OF BEGINNING.

TOGETHER WITH RECIPROCAL EASEMENT OF INGRESS AND EGRESS SET FORTH IN THAT CERTAIN EASEMENT AGREEMENT MADE BY RICHARD M. HARMONAY, S. LEO HARMONAY AND PHILIP BECKER, AS TRUSTEES UNDER THE LAST WILL AND TESTAMENT OF WILLIAM L. HARMONAY, DECEASED, FOR THE BENEFIT OF S. LEO AND RICHARD M. HARMONAY, DATED NOVEMBER 9, 1978 AND RECORDED ON DECEMBER 26, 1978 IN LIBER 7526 CP 785 IN THE WESTCHESTER COUNTY CLERK'S OFFICE, DIVISION OF LAND RECORDS.

BARGAIN AND SALE DEED WITHOUT COVENANT AGAINST GRANTOR'S ACTS

500 MAMARONECK AVENUE L.P. and VIVIANE PARIS, LLC

TO

ESRT 500 MAMARONECK AVENUE, L.L.C.

Dated: as of October 1, 2013

Town & Village of Harrison

SECTION: 48
BLOCK: 482
LOT: 8
COUNTY OR TOWN: WESTCHESTER
STATE: NEW YORK

Record and Return To:

Clifford Chance US LLP
31 West 52nd Street
New York, New York 10019
Attn: Victoria Manthas, Esq.

CRIS
Cultural Resource Information System

HOME SUBMIT SEARCH COMMUNICATE

Welcome Guest User | Contact Us | FAQ | Help | Sign Out

Criteria | Spatial | Results

1. Navigate to your area of interest

Option A: Zoom to a County or Municipality

Select County... | Select Municipality... | Zoom

Option B: Find an Address Location

500 Mamaroneck Avenue, Harrison, NY | Find Address

2. Define or refine the location/area for your search

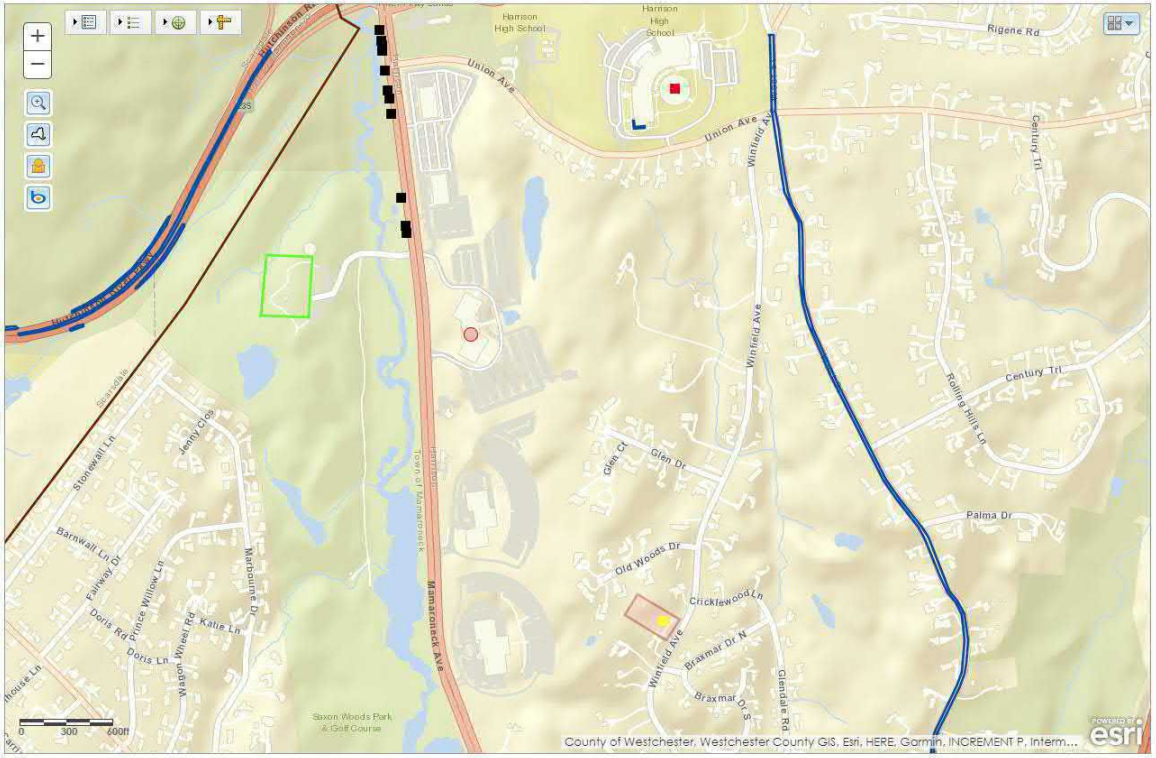
Click a button below to activate the draw tool and draw the shape on the map

Point | Line | Rectangle | Circle | Polygon

3. Generate a search radius around your graphic (Optional)

Generate a [ ] Foot buffer | Generate Buffer

Search | Reset



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Version 1.2.12

U.S. Fish and Wildlife Service

National Wetlands Inventory

FIGURE 4 - ESRT SOLAR

May 13, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

APPENDIX I:

RESUME OF AUTHORS

Skylar Francis

ENVIRONMENTAL SCIENTIST

Ms. Francis is responsible for conducting fieldwork, including soil, groundwater, air, and soil vapor sampling, responsible for the preparation of all appropriate inquiries-compliant Phase I Environmental Site Assessment (ESA) reports and Phase II ESAs, as well as the compilation and tabulation of soil and groundwater analytical data. Skylar is also responsible for routine groundwater well maintenance and residential/commercial asbestos containing material (ACM) surveys.

EXPERIENCE:

Total: 4 Years
Bergmann: 2.5 year

EDUCATION

- Bachelors of Science, Water Resources, State University of New York: The College at Brockport

CERTIFICATION

- NYS Department of Labor Certified Asbestos Inspector
- Pennsylvania Department of Labor & Industry Certified Asbestos Inspector
- Maine Department of Environmental Protection Certified Asbestos Inspector
- Iowa Division of Labor Certified Asbestos Inspector
- OSHA 40-Hour HAZWOPER Certification
- ASTM E1527-13 Phase I ESA Training
- NYS Department of Labor Certified Mold Assessor
- CSXT RWP Certification

PROFESSIONAL AFFILIATIONS

- Genesee Finger Lakes Chapter Air & Waste Management Association
- Women of Wastewater, Rochester, New York

Project Experience

Xerox Corporation | Groundwater Well Network Management | Webster, NY. Environmental Specialist responsible for coordinating and managing the maintenance of a groundwater monitoring well network of over 200 wells. Coordination and performance of well abandonment, repair, and redevelopment activities.

Xerox Corporation | Groundwater Treatment System Operation & Maintenance | Blauvelt, NY. Environmental Specialist responsible for weekly and monthly reporting on operation & maintenance of a soil vapor extraction system and groundwater treatment system. Preparation and submission of monthly reports and annual Periodic Review Report.

County of Oswego | Phase I ESA – Canal Corridor BOA | Oswego, NY. Environmental Scientist responsible for the preparation of an environmental assessment of properties located within a Brownfield Opportunity Area, which included the review of relevant available historical literature, maps, atlases, and environmental database information relating to environmental quality and an initial inventory of potential redevelopment sites. Selected sites for further analysis based on physical observation, vacancy, or underutilization due to environmental issues. Analyzed sites to determine past and current ownership information, location, size, zoning, existing infrastructure, environmental history, and current environmental conditions. Prepared descriptive profiles for sites shortlisted for redevelopment.

Buckeye Partners, LP. | Environmental Permitting for Pipeline Hydrostatic Testing Activities | Ohio. Environmental Scientist prepared preliminary assessment reports to analyze hydrostatic testing of a liquid petroleum pipeline. Analysis included water-sourcing options, water withdrawal permitting at the state level, watershed diversion permitting, and water discharging permitting.

Buckeye Partners, LP. | Hydrostatic Testing for Pipeline Discharge | Ohio. Environmental Specialist responsible for collecting hydrostatic discharge water samples.

Dormitory Authority of the State of New York | Groundwater Monitoring, Groundwater Treatment System Operation & Maintenance | Gowanda, NY. Environmental Specialist assisting with performing quarterly groundwater sampling.

Delaware River Solar | Phase I ESA - Solar Site Assessment | New York State. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future development of a solar array around the State of New York. Ms. Francis has conducted over ten Phase I ESA reports for Delaware River Solar.

NYSDOT | Bridge and Culvert Hazardous Material Inspection | New York State. Conducted multiple bridge and culvert inspections around New York State for the presence of asbestos and hazardous containing materials prior to renovations. Prepared final report for abatement purposes.

NYSCC | Phase I ESA | Frankfort & Schuyler, NY. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future redevelopment of the subject property. Report included the review of relevant available historical literature, maps, atlases, and environmental database information relating to environmental quality.

True Green Capital | Phase I ESA - Solar Site Assessment | Big Flats, NY. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future development of a solar array around the State of New York. Ms. Francis has conducted over ten Phase I ESA reports for Delaware River Solar.

CSXT | Soil Sampling | Potsdam, NY. Environmental Scientist responsible for coordinating and collecting TSCA level soil samples within CSXT property for a NYSDEC Superfund Project. Prepared the final report for CSXT.

CSXT | Soil Sampling | Kearny, New Jersey. Environmental Scientist responsible for coordinating and collecting composite and grab soil samples for the removal of excavated soil on CSXT property. Prepared final report for CSXT and organized the transportation of the excavated material to the proper disposal facility.

New York State Canals Corporation | DeRuyter Reservoir | DeRuyter, NY. Environmental Scientist responsible for coordinating and performing biweekly water sampling within DeRuyter Reservoir and Middle Branch Tioughnioga Creek during an eight month period.

Ameresco | Phase I ESA – NYS DOCCS | New York | Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future development of vacant fields around New York State Correctional Facilities to solar arrays.

DePaul | Mold Assessment | Rochester, New York | Environmental Scientist responsible for conducting a mold assessment in 32 apartment units prior to unit renovation.

Confidential Client | Phase I ESA - Solar Site Assessment | Yorktown, NY. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future development of a solar array on two separate sites. Report included the review of relevant available historical literature, maps, atlases, and environmental database information relating to environmental quality.

Volunteers of America | Site Management Plan and Final Engineering Report | Rochester, NY. Environmental Scientist responsible for the preparation and submission of the Site Management Plan (SMP) and Final Engineering Report (FER) for a Volunteers of America site to the New York State Department of Environmental Conservation.

Volunteers of America | Quarterly Reporting and Data submission | Rochester, NY. Environmental Scientist responsible for the preparation and submission of the post-remediation Quarterly Groundwater Monitoring Report to the New York State Department of Environmental Conservation. Ms. Francis is responsible for the preparation and submission of the quarterly groundwater data through NYSDEC EQuIS Data Provider.

Durban Development | Phase I ESA | Rochester, NY. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future redevelopment of the subject property. Report included the review of relevant available historical literature, maps, atlases, and environmental database information relating to environmental quality.

Durban Development | Phase II ESA | Rochester, NY. Environmental Scientist responsible for the installation of groundwater monitoring wells and collection of groundwater samples from the site to investigate subsurface conditions for future redevelopment of the subject property.

H.R. Reit | Phase II ESA | Tallmadge, OH. Environmental Scientist responsible for the installation of groundwater monitoring wells and collection of groundwater samples and soil samples from the site to investigate subsurface conditions for future redevelopment of the subject property.

Durban Development | Asbestos Survey | Rochester, NY. Environmental Scientist conducting an asbestos inspection for a residential property within the planned development area. Collected samples for analysis.

Confidential Client | Phase I ESA Update | Oneida, NY. Environmental Scientist responsible for coordinating and performing an update to a previously conducted Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future development of the subject property.

Walmart, Inc. | Phase II ESA Update | Yaphank, NY. Environmental Scientist responsible for taking soil samples and performing an update to a previously conducted Phase II ESA to characterize site conditions.

Bio-Fuels Program Management | New York State Energy Research and Development Authority | Multiple Locations, NY. Environmental Specialist responsible for coordination and performance of pre- and post-construction inspections at more than 160 retail fueling stations upgrading their facilities to offer alternative fuels.

Ariadna Cheremeteff

ENVIRONMENTAL DISCIPLINE LEADER

Ariadna has been working in the environmental remediation field for over a decade specializing in Brownfield and Voluntary Cleanup Program investigations and projects, obtaining Certificate of Completion for several of those projects, Phase I and Phase II Site assessments, hazardous waste remediation, construction oversight, project management, asbestos and mold building inspections, and regulatory compliance. She has provided her expertise for site renovation, remediation, residential redevelopment, municipal and industrial projects. She is currently the Environmental Discipline Leader for the Energy + Environment Practice at Bergmann. Ari has extensive experience managing projects that require a variety of different components including: soil, air, and groundwater sampling, data interpretation, analysis, permitting, and reporting, development of Site and Environmental Management Plans, and preparation of detailed project-related specifications.

EXPERIENCE:

Total: 13 Years
Bergmann: >1 Year

EDUCATION:

- Bachelor of Science in Environmental Management and Technology, Rochester Institute of Technology
- Associate of Science in Liberal Arts, Monroe Community College

CERTIFICATIONS

- OSHA 40 Hour Hazardous Waste Operations and Emergency Response
- NYSDOL-licensed Project Designer
- NYSDOL-certified Building Inspector
- NYDOL-certified Mold Assessor

PROFESSIONAL AFFILIATIONS

- Genesee Finger Lakes Chapter Air & Waste Management Association
- Women of Wastewater, Rochester, New York

Project Experience

Dormitory Authority of the State of New York | NYSDEC VCP Site No. V-00463-9 | Groundwater Monitoring, Groundwater Treatment System Operation & Maintenance | Gowanda, NY | Environmental Discipline Leader Responsible for coordinating and scheduling quarterly groundwater sampling and monthly monitoring of a soil vapor extraction system and groundwater treatment system. Review of monthly submissions, quarterly reports, and annual Periodic Review Report. Coordination with DASNY, OPWDD, NYSDEC, and NYSDOH regarding preparation and additional remedial activities towards Site Closure. Preparation, scheduling, and oversight of additional investigative activities.

City of Rochester | Final Engineering Report and Site Management Plan | NYSDEC Site B-00129-8 1200 East Main Street | Rochester, New York | Environmental Discipline Leader Responsible for coordination between stamping professional engineers, communication with the NYSDEC and the City, addressing revisions and comments and ultimately final submittal packages of the Final Engineering Report (FER) and Site Management Plan (SMP) for the City of Rochester 1200 East Main Street Environmental Restoration Project. Due to these efforts, the property has received an executed Certificate of Completion from the NYSDEC.

City of Rochester | Scio Street Brownfield Cleanup | Environmental Remediation and Project Planning | Rochester, New York | Senior Environmental Scientist and Project Planning Responsible for project planning and support for a bioremediation implementation project on a former petroleum spill site. Performed calculations for radius of influence, communicated with injection material supplier to obtain the most effective

product for the Site. Worked in conjunction with company GIS specialist to map out injection program maximizing material impact on the petroleum plume. Coordinated bioremediation injections with the City, company personnel, and subcontractor. Coordinated subsequent groundwater sampling, provided data analysis, and summary report of findings.

DePaul Properties | Environmental Remediation and Management Planning | Upper Falls Site and Housing Redevelopment Project | Rochester, New York | Environmental Project Manager Provided project management, budgeting, staff planning, and frequent communication with the Client, construction contractors, and representatives from the City of Rochester, Monroe County, and State Agencies. Responsible for planning and implementing Phase II assessments for the housing development project on 21 parcels prior to construction. Subsequently prepared an Environmental Management Plan (EMP) to address site conditions throughout all phases of the construction and redevelopment. Responsible for appropriate coordination and approves for disposal of petroleum-impacted and reworked native soil. Provided project oversight to confirm EMP specifications and guidelines were adhered to throughout intrusive work during the Site redevelopment. Planned and executed a bioremediation application to petroleum-impacted area along bedrock in concurrence with the NYSDEC. Attend bi-monthly meetings during peak construction and intrusive activities. Prepared and submitted required monthly project update reports and the Final EMP Progress Report.

Home Leasing | Environmental Remediation and Management Planning | Warfield Square/The Community on East Main Street Site Redevelopment | Rochester, New York | Environmental Project Manager. Provided project management, staff planning, and communication with the Client, and representatives from the City of Rochester, County of Monroe, and State Agencies. Prior to construction conducted Phase II assessments for the housing development project that included six parcels including an on-site HUD lead surface soil survey and submittal of required reports including recommendations for the Site. Prepared the Environmental Management Plan (EMP) in accordance with City requirements to address site conditions throughout all phases of the construction and redevelopment. Responsible for appropriate coordination and approves for disposal of petroleum-impacted and reworked native soil. Project oversight to confirm EMP specifications and guidelines were adhered to throughout intrusive work during the Site redevelopment. Attend bi-monthly meetings during peak construction and intrusive activities. Prepared and submitted required monthly project update reports and the Final EMP Progress Report.

DePaul Properties | Packet Boat Landing Site Redevelopment | Environmental Site Assessments and UST Removal | Lockport, New York | Environmental Project Lead. Responsible for project management of Phase II Environmental site investigative work in preparation for site redevelopment of vacant over 5-acres of land in Lockport, New York. Provided project field support during geoprobe investigation as well as joint soil sampling and oversight during the foundation engineering exploratory test pit excavations. Provided on call Environmental oversight and support during several emergency petroleum tank removals encountered during site redevelopment. Including subcontractor communication and direction, composite sampling for petroleum-impacted soil disposal, contact with disposal facility, confirmatory sampling and appropriate air monitoring and field screening. Responsible for spill reporting, communication with the NSYDEC Region 9 Spills Division, appropriate permitting, required reporting and successful spill closure.

DePaul Properties | Joseph L. Allen Apartments | Environmental Site Assessments and UST Removals | Schenectady, New York | Environmental Project Lead. Responsible for project management of Phase II Environmental site investigative work in preparation for site redevelopment of nine (9) adjoining commercial properties in the City of Schenectady, New York. Provided project field support during several geoprobe investigations including soil and groundwater sampling. Provided on call Environmental oversight and support during several emergency petroleum tank removals encountered during site redevelopment.

APPENDIX H:

RESUME OF AUTHORS

Skylar Francis

ENVIRONMENTAL SCIENTIST

Ms. Francis is responsible for conducting fieldwork, including soil, groundwater, air, and soil vapor sampling, responsible for the preparation of all appropriate inquiries-compliant Phase I Environmental Site Assessment (ESA) reports and Phase II ESAs, as well as the compilation and tabulation of soil and groundwater analytical data. Skylar is also responsible for routine groundwater well maintenance and residential/commercial asbestos containing material (ACM) surveys.

EXPERIENCE:

Total: 4 Years
Bergmann: 2.5 year

EDUCATION

- Bachelors of Science, Water Resources, State University of New York: The College at Brockport

CERTIFICATION

- NYS Department of Labor Certified Asbestos Inspector
- Pennsylvania Department of Labor & Industry Certified Asbestos Inspector
- Maine Department of Environmental Protection Certified Asbestos Inspector
- Iowa Division of Labor Certified Asbestos Inspector
- OSHA 40-Hour HAZWOPER Certification
- ASTM E1527-13 Phase I ESA Training
- NYS Department of Labor Certified Mold Assessor
- CSXT RWP Certification

PROFESSIONAL AFFILIATIONS

- Genesee Finger Lakes Chapter Air & Waste Management Association
- Women of Wastewater, Rochester, New York

Project Experience

Xerox Corporation | Groundwater Well Network Management | Webster, NY. Environmental Specialist responsible for coordinating and managing the maintenance of a groundwater monitoring well network of over 200 wells. Coordination and performance of well abandonment, repair, and redevelopment activities.

Xerox Corporation | Groundwater Treatment System Operation & Maintenance | Blauvelt, NY. Environmental Specialist responsible for weekly and monthly reporting on operation & maintenance of a soil vapor extraction system and groundwater treatment system. Preparation and submission of monthly reports and annual Periodic Review Report.

County of Oswego | Phase I ESA – Canal Corridor BOA | Oswego, NY. Environmental Scientist responsible for the preparation of an environmental assessment of properties located within a Brownfield Opportunity Area, which included the review of relevant available historical literature, maps, atlases, and environmental database information relating to environmental quality and an initial inventory of potential redevelopment sites. Selected sites for further analysis based on physical observation, vacancy, or underutilization due to environmental issues. Analyzed sites to determine past and current ownership information, location, size, zoning, existing infrastructure, environmental history, and current environmental conditions. Prepared descriptive profiles for sites shortlisted for redevelopment.

Buckeye Partners, LP. | Environmental Permitting for Pipeline Hydrostatic Testing Activities | Ohio. Environmental Scientist prepared preliminary assessment reports to analyze hydrostatic testing of a liquid petroleum pipeline. Analysis included water-sourcing options, water withdrawal permitting at the state level, watershed diversion permitting, and water discharging permitting.

Buckeye Partners, LP. | Hydrostatic Testing for Pipeline Discharge | Ohio. Environmental Specialist responsible for collecting hydrostatic discharge water samples.

Dormitory Authority of the State of New York | Groundwater Monitoring, Groundwater Treatment System Operation & Maintenance | Gowanda, NY. Environmental Specialist assisting with performing quarterly groundwater sampling.

Delaware River Solar | Phase I ESA - Solar Site Assessment | New York State. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future development of a solar array around the State of New York. Ms. Francis has conducted over ten Phase I ESA reports for Delaware River Solar.

NYSDOT | Bridge and Culvert Hazardous Material Inspection | New York State. Conducted multiple bridge and culvert inspections around New York State for the presence of asbestos and hazardous containing materials prior to renovations. Prepared final report for abatement purposes.

NYSCC | Phase I ESA | Frankfort & Schuyler, NY. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future redevelopment of the subject property. Report included the review of relevant available historical literature, maps, atlases, and environmental database information relating to environmental quality.

True Green Capital | Phase I ESA - Solar Site Assessment | Big Flats, NY. Environmental Scientist responsible for coordinating and performing a Phase I ESA to characterize site conditions and prepare an all appropriate inquiries-compliant Phase I ESA report for future development of a solar array around the State of New York. Ms. Francis has conducted over ten Phase I ESA reports for Delaware River Solar.

CSXT | Soil Sampling | Potsdam, NY. Environmental Scientist responsible for coordinating and collecting TSCA level soil samples within CSXT property for a NYSDEC Superfund Project. Prepared the final report for CSXT.

CSXT | Soil Sampling | Kearny, New Jersey. Environmental Scientist responsible for coordinating and collecting composite and grab soil samples for the removal of excavated soil on CSXT property. Prepared final report for CSXT and organized the transportation of the excavated material to the proper disposal facility.

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Ariadna Cheremeteff

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- OSHA 40 Hour Hazardous Waste Operations and Emergency Response
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- NYSDOL-certified Building Inspector
- NYDOL-certified Mold Assessor

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- Women of Wastewater, Rochester, New York

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product for the Site. Worked in conjunction with company GIS specialist to map out injection program maximizing material impact on the petroleum plume. Coordinated bioremediation injections with the City, company personnel, and subcontractor. Coordinated subsequent groundwater sampling, provided data analysis, and summary report of findings.

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DePaul Properties | Joseph L. Allen Apartments | Environmental Site Assessments and UST Removals | Schenectady, New York | Environmental Project Lead. Responsible for project management of Phase II Environmental site investigative work in preparation for site redevelopment of nine (9) adjoining commercial properties in the City of Schenectady, New York. Provided project field support during several geoprobe investigations including soil and groundwater sampling. Provided on call Environmental oversight and support during several emergency petroleum tank removals encountered during site redevelopment.