The Tyree Organization

- Analysis
- Construction
- Remediation

7/11/03

FINAL
INVESTIGATION WORK PLAN

ALERT FIRE (GREAT NECK) SITE
140 STEAMBOAT ROAD
GREAT NECK, NEW YORK 11023
NASSAU COUNTY
SITE #: V00522-1
INDEX #: D1-0002-04-02

JULY 2003

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1 INTRODUCTION

Tyree Brothers Environmental Services, Inc. (TBES) has been contracted by Alert Engine, Hook and Ladder Co. No. 1, Inc. (hereinafter referred to as Alert) care of Munley, Meade, Nielsen & Re', Attorneys At Law, to perform the required environmental work specified in the Voluntary Cleanup Agreement for the subject property. This report supplies the Investigation Work Plan requested in Section II of the Voluntary Cleanup Agreement.

1.1 Purpose

TBES has prepared this Work Plan in support of site investigation activities at the Alert Property (New York State Department of Environmental Conservation Site I.D. No. V00522-1, Index I.D. No. D1-0002-04-02), which is located in the Village of Great Neck, Nassau County, New York (Appendix A, Plate 1).

This Work Plan is based on the requirements outlined in the New York State Department of Environmental Conservation (NYSDEC) specifications for site number V00522-1 and the Draft Voluntary Cleanup Program Guide dated May 2002.

2 SITE HISTORY AND DESCRIPTION

2.1 Site Description

The subject property consists of a 7,156 square foot parcel of land located at 140 Steamboat Road in the Village of Great Neck, Nassau County, New York (hereinafter referred to as the Site). The parcel of real property is described as Tax Map Identifier Section 1, Block 17, Lot 107. The Site is located on the south side of Steamboat Road approximately 369 feet west of the intersection with Potters Lane. The property is rectangular in shape with 48.85' of frontage on Steamboat Road and is 146.50' deep (Appendix A, Plate 2).

The property currently contains a two-story, 750 square foot, concrete block and frame building with no basement. This building is utilized as a garage and storage space for a fire truck and is located directly adjacent to the southern property line. The garage contains electric and natural gas services that are fed from the Alert building directly northwest of the subject Site. An emergency generator is located on a concrete pad approximately four (4) feet north of the garage building.

The Site is relatively level with no restrictive fencing. The remainder of the Site consists of grass with a small strip of bushes and heavier vegetation along the eastern property line. Properties adjacent to the site currently consist of:

North – Steamboat Road and a private residence (139 Steamboat Road) with a basement and a 2-car detached garage on the western side of the property used for undetermined commercial purposes; a vacant dirt lot to the northeast with private residences further east (131 through 123 Steamboat Road); the Alert Fire Co. parking lot to the northwest with Kings Point Tennis Center (143 Steamboat Road) further west;

South – Alert Engine Hook Ladder and Hose Company No. 1 grass and shed area (part of property to west)

East – Parking lot for/and vacant commercial building (130 Steamboat Road)

West – Alert Engine Hook Ladder and Hose Company No. 1 (142 Steamboat Road) with a partial basement beneath the southern portion of the building

A local area receptor search was conducted for a one (1) mile radius of the subject location (Appendix A, Plate 4). The area is a mix of residential and light commercial activities. No manufacturing or chemical storage facilities were identified. Residences were of mixed construction with a few having basements. Houses of worship were determined to be approximately 500 feet to the northeast (St. Paul) and 500 feet to the southwest (Beth Hadassah). The Kings Point Park is located to the north beyond the residences/businesses along Steamboat Road. Previous investigations identified municipal water pumping well approximately 500 feet to the west of the subject site on Morris Lane.

In addition, a survey of private/public wells was conducted (Appendix C). There were four (4) wells identified as follows;

1) N.30 - Citizens Water Supply Well #1 at Wildwood Road and Cherry Lane (0.75 mi. north of site)
2) N.31 - Citizens Water Supply Well #4 at Wildwood Road and Cherry Lane (0.75 mi. north of site)
3) N.687 - Citizens Water Supply Well #5 at Old Mill Road and Bayview Avenue (1 mile south of site)
4) N.1926 - United States Merchant Marine Academy (0.75 west of site)
5) N.290 – no information available (east of site)

Citizens Water Supply Company no longer exists. It is believed that The Water Authority of Great Neck North, which supplies potable water to the area, has taken over operation of their wells. Previous reports indicate one public well approximately 500 feet to the east of the subject property. It is believed that this is Nassau County Well Number N.290, for which no information was available.

Municipal water is supplied to the area by the Water Authority of Great Neck North. Contact was made in order to ascertain the disposition and status of these wells and or others. However, following September 11, 2001 and the heightened awareness and the extremely sensitive nature of the request, information regarding our potable water supplies is not being release for security reasons. General information regarding the water quality and production that was publicly available on the internet, as well as historic published information is presented in Appendix C.

2.2 Site History

According to information provided in a Phase I Site Assessment prepared by Kost Environmental Services, Inc. (Kost) dated 1993, a new one-story concrete block building and a new one-story concrete block garage were constructed in 1950. Prior to the erection of the buildings in 1950, the property was vacant land. The property was utilized as a dry cleaner with the main building used for offices and a shop, and the garage was used for storage.

Additions and alterations to the main dry cleaning building occurred in 1963 and 1967. The two buildings were still existing in 1993 when the Kost Phase I was prepared. Neither of the buildings contained basements, and the property was not utilized at the time of the 1993 assessment. According to Kost, the property had not been utilized for at least five (5) years prior to 1993 (since at least 1988). The buildings had been occupied prior to 1988 by Pristine Cleaners. The main building was demolished by Alert circa March 1998. The garage building constructed in 1950 was expanded upward to make the current two-story garage. The footprint of the garage building did not change.

The Kost Phase I indicated the following information related to petroleum and chemical storage and discharges at the time of the inspection (1993):

Fuel Oil Tank – One, underground storage tank (UST) was identified on the northern section of the property (Appendix A, Plate 3A). This tank was utilized for the storage of on-site fuel oil for the heating of the main building.

The size, date of installation, and construction of this tank were unknown. The tank had not been utilized for at least five (5) years (since at least 1988) at the time of the inspection. It could not be confirmed that this UST was removed during the demolition of the main building.

Floor Drain – One five-gallon plastic pail was sunk into the soil for drainage purposes in the main building. This pail was observed in the rear (southerly portion) of the main building. Screening of the soil adjacent to this pail with a photoionization detector (PID) did indicate the presence of some organic contamination (10 parts per million). A soil boring will be placed in this vicinity to determine the level of impact, if any.

Drainage Pool – No stormwater leaching pools were noted at grade at the time of the 1993 inspection. However, an old survey (circa 1963) located in the Phase I assessment indicated that a 4'-diameter drywell with a cast iron grate was proposed and possibly installed towards the northern property line in the east-west middle of the property. No additional information was available regarding this drywell. Given the site development in 1993, the placement of the proposed well would be consistent with general building practices and would reasonably be located where indicated on that survey. No stormwater leaching pools were noted at grade at the time of either the 1993 (Kost), 1998 (Boss), or 2003 inspections (Appendix D). A geophysical investigation will be targeted to the area depicted as the proposed location for this drainage pool (Appendix A, Plate 3) to identify any subsurface anomalies.

Drums/Chemical Containers – Three (3) empty fifty-five (55) gallon drums with no markings or labels were observed in the main building. In addition, a thirty (30) gallon plastic container with unknown contents was also observed within the structure. According to Kost, no evidence of hazardous materials, hazardous waste storage, staining, or stressed vegetation were noted during the 1993 inspection. No evidence of drum storage, chemical storage, or drains were noted in the garage on-site. A copy of the Kost Phase I from October 1993 is included in Appendix B.

The Incorporated Village of Great Neck – Water Pollution Control Department was contacted on July 26, 2002. Mr. Henry Turrill of the Department indicated that all properties in the Village of Great Neck are connected to the municipal sanitary sewer system. These regulations were enforced starting in 1934. Therefore, a building constructed in 1950 would have had to have been connected to the municipal system at the time of construction.

The Nassau County Fire Marshal's (NCFM) Office was also contacted for information related to the Site. The NCFM often has files regarding the storage and handling of chemicals. A review of said files revealed the following information relevant to the environmental quality of the subject property:

1. A Freedom of Information request was submitted on July 3, 2002 for information regarding the subject property. The NCFM responded and indicated that they did not have any records relating to the Site.

The Nassau County Health Department (NCHD) is the regulatory agency for the County Public Health Ordinance. The Public Health Ordinance of Nassau County stipulates proper storage and handling of hazardous materials, identification and testing of chemical storage tanks, and parameters for the operation of sanitary systems. The NCHD maintains records on health code inspections and violations.

Article 11, Section 20 of the Nassau County Health Ordinance requires that all facilities complete a Toxic and Hazardous Materials Registry. The registry requires that a facility indicate all materials used, stored or produced on site (this includes underground storage tanks and above ground bulk storage). Upon completion of this registry, it is filed with the NCHD. Article 11, Sections 2-18 of the Health Ordinance stipulates that all hazardous materials used, stored or produced on site be stored and handled in accordance with established guidelines. So as to determine a facility's compliance with these codes, inspections are performed by NCHD sanitarians.

A review of NCHD records revealed the following information relevant to the environmental quality of the subject property:

1. A Freedom of Information request was submitted on July 23, 2002 for additional information regarding the subject property. The NCHD responded and indicated that they did not have any records relating to the Site.

2.3 Previous Subsurface Investigations and Evaluations

The following is a list of all known environmental reports related to the subject property:

Phase II Environmental Assessment – prepared by C.E. Boss Co. Inc.; dated August 1998
Phase II Environmental Assessment Final Report – Ibid, dated October 1998

The results of the above-mentioned investigations are summarized below. A copy of each assessment is included in Appendix B.

2.3.1 Phase II Environmental Assessment, August 1998

Four (4) soil borings were drilled on the site on August 3, 1998. Two borings were located in the northern portion of the site, and two borings were drilled in the area previously containing the southern portion of the main building. (The main building was demolished prior to that date.) Each boring was continuously split-spoon sampled from grade to the water table located approximately twenty (20) feet below grade. The soil samples were screened with an organic vapor analyzer (OVA) and then composited for laboratory analysis. No OVA readings were detected in any of the samples.

The soil samples were analyzed for Volatile Organic (STARS) Compounds via EPA method 8021 and Semi-Volatile Organic (STARS) Compounds via EPA method 8270. The results of the analyses indicated that no VOC or SVOC STARS' compounds were detected above laboratory/method detection limits in any of the soil samples except for B-3. Boring B-3 was located within the southeast corner of the previously demolished main building. The composite soil sample from B-3 did not contain any VOCs (STARS compounds). Twelve (12) SVOCs were detected at concentrations ranging from 77 ppb to 6,600 ppb. Five (5) of these SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, and chrysene) were present at concentrations that exceeded NYSDEC Recommended Soil Cleanup Objectives as listed in TAGM #4046.

It should be noted that the C.E. Boss report indicated that "perchloroethane" was also analyzed for and was not detected. However, no laboratory results were noted in the report for "perchloroethane" or any dry cleaning solvents such as perchloroethylene or trichloroethene.

2.3.2 Phase II Environmental Assessment Final Report, October 1998

Three (3) soil borings were drilled on the Site on September 23, 1998. These borings were drilled in the vicinity of previous boring B-3 in order to delineate the SVOC contamination noted in the August 1998 report. Each boring was continuously split-spoon sampled (2 foot intervals) from grade to ten (10) feet below grade. The soil samples were inspected in the field in order to determine which samples were obviously contaminated. These samples would ultimately be selected for laboratory analysis. According to the C.E. Boss report, field screening of the soil samples "indicated the presence of Perchloroethane but not semi-volatile organic compounds." Five (5) split-spoon soil samples from each of the borings (from 0 to 10 feet) were submitted for laboratory analysis.

The fifteen (15) soil samples were analyzed for Tetrachloroethene (PERC) via EPA method 8260. The results of the analysis indicated that PERC was detected in all of the submitted soil samples except for B-7 from 8'–10'. PERC concentrations ranged from 145 ppb in B-6 from 8'–10' to 280,000 ppb in B-5 from 0'–2'. PERC concentrations were highest at grade in each boring, and consistently decreased with depth. All of the PERC concentrations in B-5 in addition to the samples from 0' to 4' in B-6 exceeded the NYSDEC Recommended Soil Cleanup Objective of 1,400 ppb listed in TAGM #4046. All of the soil samples from B-7 and the remaining samples from B-6 exhibited PERC concentrations that were within TAGM limits.

3 OBJECTIVE, SCOPE AND RATIONALE

3.1 Objective

The objectives of the Site investigation activities are:

-confirming that the UST noted in previous reports has been removed;
-defining the subsurface geology, presence and extent of any clay on site;
-defining the nature and extent of contamination, both areally and vertically on-site;
-identifying contaminant source areas; and
-producing data of sufficient quantity and quality to support the development of an acceptable Remedial Action Work Plan.

3.2 Scope and Rationale

A thorough forensic review of photos and data presented in previous reports has been conducted in order to reconstruct physical site conditions, identify those areas as having previously documented contamination as well as suspect areas, and to target those areas more effectively for the purposes of the investigation planned herein.

The 1993 Phase 1 report by KOST Environmental (Appendix B), had identified three (3) potential issues. Firstly, there was a fuel oil UST noted at the north side of the building. Forensic study of photo documentation, building department records and application of general construction practices, places this tank at the northeast corner of the building. Secondly, a five (5) gallon pail was noted to have been inserted into the ground, through the slab in the rear portion of the former main building. There was substantial staining noted in the area, and it is suspected that there were discharges to the subsurface at this location. And lastly, a hand notation on a copy of a survey indicated the intent to install a drywell for surface water collection and drainage. This pool was to be located on the northern portion of the property.

The subsurface investigation reports prepared by C.E. Boss in August and in October of 1998 (Appendix B) were utilized for the locations of the borings B-1 through B-7 as well as their associated laboratory data for indications of target areas. It should be noted here that B-1 through B-4 (August 1998) were completed to a depth of 21 to 26 feet. There were no indications of contaminants utilizing field instrumentation. Laboratory analysis showed that B-3 (southeast corner of former main building) alone indicated contaminants that were indicative of fuel oil. This seems inconsistent with the reported location of the underground fuel oil storage tank on the north side of the building. However as all of the samples at that time were composites from every interval from grade to the approximate water table, it is possible that the samples obtained could be indicating that the former fuel oil tank was leaking, and contaminants were carried via groundwater flow to the B-3 locale.

Borings B-5, 6 and & 7 (October 1998) were supposedly targeted to further investigate the area around B-3. This investigation involved only soil borings to a depth of 10 feet. Laboratory analysis from individual grab samples collected at 2 foot intervals were reported to indicate only Perchloroethane contamination via EPA 8260, Tetrachloroethene as equivalent to Perchloroethane.

The following tasks will be performed in order to reach the above objectives:

1) All work and sampling conducted will be in accordance with industry standards. Every reasonable precaution to protect the health and safety of site workers as well as the general public will be taken thoughout the coarse of field activities, following the Generic Community Air Monitoring Plan (Appendix J). A qualitative, human health exposure assessment evaluation will be conducted. A utility mark out survey will be conducted outside of and on the property prior to drilling.

2) A Geophysical Survey consisting of Ground Penetrating Radar and a magnetometer survey will be performed across the entire vacant portion of the property in order to identify any underground structures that may have been a potential source of impact to the environment (Appendix A, Plate 3). If such anomalies are identified, a soil boring will be planed for the approximate center of same.

3) Upon receipt of the geophysical survey results, a soil gas survey will be conducted in the location of documented contamination between B-3, B-5, B-6 and B-7.

A total of twenty-five (25) soil gas survey points will be drilled in this area utilizing a Geoprobe direct push apparatus in a grid pattern, at intervals spaced five (5) feet on center and to a depth of 5 feet (Appendix A, Plate 3). A(n) additional soil gas survey point(s) will be installed at any location(s) identified during the geophysical investigation.

4) Upon receipt of the soil gas survey results, a series of vertical profile borings will be conducted in two (2) phases. These borings will be installed across the site in order to develop a background and define soil types, identify the presence of any clay layers and their thickness, and determine the current depth to the water table for future well screen placement. Borings SB-1, SB-3, SB-4, SB-5, SB-7, SB-9, SB-15, SB-16, and SB-17 are proposed to accomplish this task. These locations are in areas previously known to be free of contamination and or beneath the original former main buildings' (1950) slab.

These borings will be installed continuously from grade in two (2) foot depth intervals. Each field sample retrieved will be visually inspected for the presence of clay before proceeding with the next, then screened with a PID and logged for later inclusion in the Investigation Summary Report. Any and each of these borings will be immediately terminated upon identification of a measurable clay layer in order to avert creating a conduit to a depth below that confining layer. Once this primary phase of profiling is completed, the next phase will commence.

This secondary phase of vertical profile borings will be targeted at source areas of substantial contamination previously identified (SB-2, SB-6, SB-8 and SB 10 through SB-14) by others as well as areas identified in the first phase of this subsurface investigation. These borings will also be installed from grade continuously at two (2) foot intervals, to a terminal depth established in the first phase of vertical profiling scope. (clay layers, water table).

5) Based on the above field screening and regulatory oversight at each boring location, it is expected that the sample exhibiting the highest readings (PID) and the bottom sample will be submitted for laboratory analysis, though the actual number of samples will be determined in the field. Additionally a groundwater sample will be collected in those locations where encountered above any confining layer.

6) The aforementioned borings will be drilled throughout the property, and discrete soil samples will be obtained. All soil samples will be screened in the field with a photoionization detector and submitted for laboratory analyses of Volatile and Semi-volatile Organics. Based upon the previous use of the property and available historical information, laboratory analysis will be performed in order to investigate for dry cleaning solvents and fuel oil contamination.

In addition to those samples stated in item 5. above, there will be five (5) sets of samples from locations across the site (SB-2, SB-6, SB-8, SB-11 and SB-14) that will be analyzed for Target Analyte List (TAL) metals (table next page), PCB's and pesticides in order to meet regulatory requirements for this assessment.

7) A copy of the latest New York State Department of Environmental Conservation QA guideline for the development of Data Usability Summary Reports appears in Appendix I of this plan. The current resumes of investigative personnel and third party data validator appear in Appendix G of this plan.

8) Once received, and based upon all of the data for the above described investigation and sampling, a minimum of three (3) groundwater cluster monitoring wells will be installed to different depths in order to delineate all plumes horizontally and vertically. Fuel oil contamination will typically be present near the top of the water table, while dry cleaning solvents will typically sink deeper into groundwater, therefore screened intervals will be determined upon receipt of all pertinent data. Any and all drill cuttings that may be generated will be containerized in DOT approved drums for later disposal.

9) After a minimum of twenty-four (24) hours following installation, the wells will be developed. A minimum of twenty-four (24) hours following development, the wells will be sampled for laboratory analyses described above. Any and all purge water that may be generated will be containerized in DOT approved drums for later disposal.

10) The wells will be monitored and surveyed in order to determine a site specific groundwater flow direction.

11) An Investigation Summary Report will be prepared summarizing all findings and recommendations and submitted to the Department for review.

4 FIELD ACTIVITIES PLAN

This section details the specific work activities that will be conducted in support of the site investigative activities. The section detail is divided according to the sequence of performing the tasks.

1. A geophysical survey will be conducted across the entire vacant portion of the site in order to confirm the presence or absence of the historically proposed drywell and that the previous

Superfund Target Compound List (TCL) and Contract Required Quantitation Limit

	Parameter	Contract Required Quantitation Level (µg/L)
1.	Aluminum	200
2.	Antimony	60
3.	Arsenic	10
4.	Barium	200
5.	Beryllium	5
6.	Cadmium	5
7.	Calcium	5000
8.	Chromium	10
9.	Cobalt	50
10.	Copper	25
11.	Iron	100
12.	Lead	3
13.	Magnesium	5000
14.	Manganese	15
15.	Mercury	0.2
16.	Nickel	40
17.	Potassium	5000
18.	Selenium	5
19.	Silver	10
20.	Sodium	5000
21.	Thallium	10
22.	Vanadium	50
23.	Zinc	20
24.	Cyanide	10

fuel oil UST noted in the Kost Phase I report had been removed. The proposed drywell was to be of four (4) foot in diameter. While no mention of its depth was indicated, typical construction would lend it to be at least four (4) feet deep to twelve (12) feet in depth (nominally). The Fuel Oil UST was reportedly located on the northern section of the property. As mentioned above, further evaluation of historical documentation indicate this tank to have located immediately off the northeastern most corner of the former building (Appendix A, Plates 3,3A). No information as to the size, construction or orientation of the tank is known. However, given the age of the building, it is assumed to have been a single walled steel tank. While tanks come in varying capacities, it is not expected that for an application to the former sized building, the capacity would have exceeded 1,000 gallons. Using standard tank construction guides, the nominal size of the tank would be approximately 5 foot in diameter and 11 foot in length, and would have been buried one (1) to two (2) feet below grade.

An electromagnetic metal-detector and ground penetrating radar (GPR) instruments will be employed. The metal-detector will be carried over all non-reinforced (grass) portions of the site in a series of closely-spaced traverses in an attempt to delineate subsurface metallic objects large enough to possibly represent USTs (Appendix A, Plate 3). GPR data profiles will be collected over significant metal-detector anomalies to more fully characterize their sources. All potential USTs or any other significant anomalies will be staked at grade, and their locations will be measured.

2. Soil gas survey points will be installed in a grid pattern spaced five (5) feet apart and to a depth of five (5) feet (Appendix A, Plate 3). Once the target depth is reached in each location, an air sampling pump will be used to extract a soil gas sample collected via the Geoprobe Post Run Tubing (PRT) system. The components of the PRT system include; tubing (polyethylene, teflon), probe rods, PRT adapter, expendable point holder, expendable points, and O-ring seals.

   The tubing is to be connected to a tedlar bag at land surface. One tedlar bag will be filled and purged prior to sample collection, and then the tedlar bags will be collected for field screening with a PID. Then an additional sample will be collected in a laboratory supplied SUMA canister to be submitted for laboratory analysis. Air samples collected will be shipped under chain of custody documentation to Toxicon Laboratories, for analysis. A minimum of twenty-five (25) air samples will be collected and tested via NIOSH Method 1501/1003. As described earlier the actual number of samples will be determined by the results observed during the field investigation.

As evidenced by previous investigative work completed by others, the soil conditions to be encountered during drilling include fine to medium grained sand, pebbles and cobbles. A hydrogeologist will be on site to supervise all sample collection. All findings and analytical results will be summarized in an Investigation Summary Report.

Cleaning and Decontaminating Equipment

All sampling equipment is decontaminated prior to being placed into each point. Decontamination procedures follow:

All equipment is first throughly rinsed with clean water.

Everything is then hand scrubbed with a laboratory detergent such as alconox or microwash in an adequately sized basin.

All equipment then receives a final double rinse with distilled water to remove all residue detergent.

New tubing and a tedlar bag will be used for each sampling location.

O-ring seals are used on the PRT adapter and the expendable point holder to provide a leak proof system that assures sample integrity.

One tedlar bag volume of air is purged from each point.

The necessary sample volume is collected in the tedlar bag using a vacuum pump.

Collected samples are placed into a cooler until delivered to the laboratory.

All samples are uniquely identified, and all information associated with that sample is recorded on a chain of custody document.

Quality Control

In addition to the aforementioned procedures, the following measures are taken to avoid cross contamination of samples:

A. Upon completion of sampling, all equipment is cleaned and decontaminated on site prior to returning to TBES' headquarters.

B. All samples are placed in new tedlar bags. Tedlar bags are used once and discarded.

3. Seventeen (17) initial soil borings will be drilled continuously in two (2) foot intervals to either a confining layer and or the water table utilizing a Geoprobe direct push drill rig. The borings will be drilled in a grid-like pattern across the site in two (2) phases. The first phase will be directed in areas not previously identified as contaminated and a second phase coinciding with the vicinity of formerly documented contamination. This is proposed in order to investigate the areal and vertical geologic profile and the extent of contamination across the site (Appendix A, Plate 3).

It should be noted that while referenced, the data from the previous subsurface investigations is not being relied upon, but rather the new data obtained from geophysical, soil gas, and vertical profile borings. The borings will be continuously sampled using disposable two (2) foot Macro Core sampling tubes in order to determine exact lithology. All samples will be logged and then screened with a calibrated MiniRae photoionization detector (PID) for the presence of volatile organics.

Soil samples from each boring will be submitted to Toxicon Corporation (Appendix H) for laboratory analyses. While the actual number of samples is to be determined in the field, the soil sample exhibiting the highest PID reading in addition to the deepest "visually" clean sample (above the water table) will be submitted from each boring. If no PID readings are detected, then the deepest sample will be collected. Where encountered (above the confining layer) a groundwater sample will also be collected at each boring location. The samples will be analyzed by GC/MS for Volatile Organic Compounds (VOCs) via NYSDEC ASP 8260 and Semi-Volatile Organic Compounds (SVOCs) via NYSDEC ASP 8270.

There will be five (5) sample locations from across the site, which will also be analyzed for TAL metals, pesticides and PCB's. All drilling rods and non-disposable sampling equipment will be pressure washed between boreholes. All borings will be grouted after completion. Drilling activities and sampling will be supervised by an environmental technician/field hydrogeologist. Any cuttings that may be generated will be containerized in DOT approved drums for later disposal.

4. The results of the initial soil borings (phase 1) will be reviewed in order to determine if additional boreholes are necessary to delineate (phase 2) any of the noted contamination on site. These results will also aid in the location of groundwater monitoring wells. At least three (3) groundwater monitoring well clusters (Appendix E) will be installed in the borehole areas including the areas with the highest degree of contamination. This determination will be based upon PID readings, odors, and visual observations. Each well cluster will consist of three (3) separate wells installed into the groundwater to be screened at approximately the top, middle, and bottom third of the water column respectively. Actual well location and construction design will be presented for review and approval, before actual installation.

While actual well construction will be determined following the receipt of all of the data from above, it is anticipated that the general construction will consist of; two-inch, thread-coupled, schedule 40 PVC machine-slotted screens with 0.020-inch openings and solid two-inch, thread-coupled, schedule 40 PVC casing.

The well annuli around the screens will be gravel packed with #2 Morie sand to two (2) feet above the top of the screened intervals. Bentonite seals approximately two (2) feet thick will be placed in the annular spaces above the Morie sand. The bentonite pellets will be hydrated for thirty (30) to sixty (60) minutes after installation. The annular space above the bentonite seal will then be filled to the surface with a cement/bentonite slurry pumped through a tremie pipe and finished at grade with a locking j-plug and manhole covers cemented flush with the surface. A concrete pad will be installed around each manhole cover (Appendix E). Any cuttings that may be generated will be containerized in DOT approved drums for later disposal.

5. The groundwater monitoring wells will be developed with a submersible pump in order to remove fine particles and insure a good hydraulic contact with the surrounding aquifer. After at least twenty-four (24) hours after well development, a hydrogeologist will return to the site and purge and sample the groundwater. Prior to sampling, a minimum of three (3) well casing volumes will be removed by hand bailing. A sample will then be obtained from each well and submitted to Toxicon for analyses by GC/MS of VOCs, and SVOCs. Additionally at least six (6) water samples (3 at the top screened interval and 3 at the bottom screened interval from each of a minimum of 3 wells) from across the site will be analyzed for TAL metals, pesticides and PCB's to meet regulatory requirements. Analytical methods and holding times appear on pages 14 and 15 of this plan. All development and purging water will be containerized in DOT approved drums for later disposal.

6. The elevations of the tops of the monitoring well casings will be surveyed with elevations referenced to an arbitrary one hundred (100) foot datum. The monitoring wells will also be gauged in order to determine depth to the water table and total depth in each well. The depth to water readings and the surveying data will be utilized to produce a Water Table Contour Map. Groundwater flow direction and hydraulic gradient will be determined.

7. After all of the results are received and reviewed, a report summarizing all field activities and laboratory findings will be prepared and submitted to the Department for review.

An outline of the above-mentioned tasks is included as Table 1 in Appendix F.

5 QA/QC PLAN

Please see Sections 1.0, 2.0, and 3.0 above for a description of the site environmental history and project goals for this Site.

5.1 Project Organization

The following personnel are anticipated to perform the referenced job functions on this project:

Project Manager	-	Hesna Aksehirli
Quality Assurance Officer	-	Patricia Werner-Els
Data Validator		Renee Cohen
Env. Tech/ Field Hydrogeologist		Philip deBlasi and/or Joseph Lapietra

Copies of resumes for the above-mentioned personnel are enclosed in Appendix G.

5.2 Sampling Procedure/Equipment Decontamination Procedures

The following table is a summary of the sampling parameters and protocols to be utilized for sampling and analysis:

NYSDEC Method	Matrix	Sample Container	Sample Preservation	Maximum Holding Time (from VTSR)
ASP SW846 8260	Soil	2 oz. glass jar w/ teflon septum	4° C, no headspace	7 days
ASP SW846 8260	Liquid	40 ml. glass vial w/ teflon septum	4° C, HCl, no headspace	10 days
ASP SW846 8270	Soil	8 oz. glass jar w/ teflon septum	4° C, no headspace	5 days after VTSR until extraction; 40 days for analysis
ASP SW846 8270	Liquid	1 liter glass jar w/ teflon septum	4° C, no headspace	5 days after VTSR until extraction; 40 days for analysis
ASP SW846 6010, 7471	Soil	8 oz. glass jar w/ teflon septum	4° C, no headspace	180 days
ASP SW846 6010, 7470	Liquid	250 ml. plastic w/ teflon septum	4° C, HNO_3, no headspace	180 days
ASP SW846 8081	Soil	8 oz. glass jar w/ teflon septum	4° C, no headspace	5 days after VTSR until extraction; 40 days for analysis
ASP SW846 8081	Liquid	1 liter glass bottle w/ teflon septum	4° C, no headspace	5 days after VTSR until extraction; 40 days for analysis
ASP SW846 8082	Soil	8 oz. glass jar w/ teflon septum	4° C, no headspace	5 days after VTSR until extraction; 40 days for analysis
ASP SW846 8082	Liquid	1 liter glass bottle w/ teflon septum	4° C, no headspace	5 days after VTSR until extraction; 40 days for analysis

Based upon the proposed work, the following number and types of samples will be obtained:

Type	NYSDEC Method	Number of Samples	Location
Soil	ASP SW846 8260	15	hottest from each boring
		15	deepest/clean from each boring
		2	MS/MSD
Soil	ASP SW846 8270	15	hottest from each boring
		15	deepest/clean from each boring
Soil	ASP SW846 6010, 7471, 8081, 8082	5	Random across site
		2	MS/MSD
Groundwater	ASP SW846 8260	9 – 12	3 from each of 3-4 wells
		1	MS/MSD
Groundwater	ASP SW846 8270	9 – 12	3 from each of 3-4 wells
Groundwater	ASP SW846 6010, 7470, 8081, 8082	3 @ 25', 3 @ 40'	Random across site
		1	MS/MSD
Blanks:			
Trip Blanks	ASP SW846 8260, 8270, 6010, 7470, 7471, 8081, 8082	3	1 for each of 3 days of drilling & sampling
		1	1 for groundwater sampling event
Field Blank	ASP SW846 8260, 8270, 6010, 7470, 7471, 8081, 8082	3	1 for each of 3 days of drilling & sampling
		1	1 for groundwater sampling event

Proposed Boring and sampling locations appear in Appendix A, Plate 3.

5.3 Proposed Laboratory

The proposed NYSDOH ELAP CLP-certified laboratory is Toxicon Corporation located at 15 Wiggins Avenue, Bedford, Massachusetts 01730. The laboratory contact is Douglas Sheely. The sampling analysis reporting level will be NYSDEC ASP Category B deliverables in order to fully evaluate and document the project. This reporting level will give the necessary documentation that will be reviewed to evaluate the usability of the data. It will also give calibration data needed to verify "not-detected" analytes that are possible compounds of concern. Detection limits will be low enough to be compared to applicable standards and guidance values. Copies of Toxicon's certification(s) are enclosed in Appendix H.

5.4 Standard Operating Procedures

5.4.1 Well Construction Protocol

The SOP for well construction was included in Section 4.0 above, but is copied here for reference purposes.

Each well cluster will consist of three (3) separate wells installed into the groundwater to be screened at approximately the top, middle, and bottom third of the water column respectively. Actual well location and construction design will be presented for review and approval, before actual installation.

While actual well construction will be determined following the receipt of all of the data from above, it is anticipated that the general construction will consist of; two-inch, thread-coupled, schedule 40 PVC machine-slotted screens with 0.020-inch openings and solid two-inch, thread-coupled, schedule 40 PVC casing.

The well annuli around the screens will be gravel packed with #2 morie sand to two (2) feet above the top of the screened intervals. Bentonite seals approximately two (2) feet thick will be placed in the annular spaces above the morie sand. The bentonite pellets will be hydrated for thirty (30) to sixty (60) minutes after installation. The annular space above the bentonite seal will then be filled to the surface with a cement/bentonite slurry pumped through a tremie pipe and finished at grade with a locking j-plug and manhole covers cemented flush with the surface. A concrete pad will be installed around each manhole cover (Appendix E). Any cuttings that may be generated will be containerized in DOT approved drums for later disposal.

5.4.2 Soil Sampling Protocol/Decontamination Procedures

Macro Core samples will be obtained continuously at two (2) foot depth intervals during drilling. Prior to sampling, the steel tube samplers will be hand scrubbed with a laboratory detergent (Microwash/Alconox) mixed with clean water in an adequately sized basin. After cleaning, the samples will be scrubbed with clean water to remove all residue detergent. The samplers will then receive a final double rinse with distilled water. After rinsing, the sampling equipment will be steam cleaned and then allowed to air dry.

When the desired sampling depth is reached, a discrete clear PVC liner will be installed in the steel tube sampler. The tube sampler will be threaded onto steel rods and lowered to the sampling horizon. The Geoprobe hammer will then repeatedly drop onto a collar on the rods. Hammering will continue until the sample has been driven two (2) feet into the soil. The sampler will then be retrieved from the borehole and disconnected from the rods.

The sampler will be opened, and the soil lithologies present will be visually noted and logged. Following visual examination, each sample will be placed in two (2) pre-cleaned (laboratory supplied) containers that have a teflon lined cover. The soil will be settled and capped to insure that little or no headspace is present within the sample. Sample containers will then be placed on blue ice until brought to the laboratory. All samples will be uniquely identified, and all information associated with the samples will be recorded on a chain of custody document.

5.4.3 Photoionization Meter Screening Procedures

After sampling, a portion of each soil sample will be placed in clean airtight containers and set aside in order to allow volatilization from the soil. The samples will be kept out of direct sunlight in order to inhibit excessive moisture accumulation. Also, the samples will be protected from excessively cold conditions to enhance volatilization.

After being allowed to volatilize, the samples will be screened with a MiniRae photoionization meter using headspace analysis. This meter measures the concentrations of organic vapors in air as they evolve from the sediment sample. The numerical readouts are not exact determinations of true volatile contents of the samples, but instead provide qualitative indications of the degree of volatile organic contamination. The photoionization meter will be calibrated to a standard gas prior to screening the samples.

The probe of the meter will be inserted into the sample headspace, and the meter will be allowed to come to equilibrium with the sample concentrations. The meter furnishes direct readings of volatile concentrations in parts per million on a liquid crystal display. The individual reading for each sample will be indicated on the boring logs.

5.4.4 Monitoring Well Development and Sampling Protocol

The wells will be developed after installation with a submersible or peristaltic pump. Each well will be developed to the point that the turbidity of the recovered well water is 50 Nephelometric Turbidity units (Ntu) or less. A portable nephelometric turbidity meter will be brought to the field for making this measurement.

The submersible or peristaltic pump and associated hosing will be decontaminated between each well. The exterior of the pump and hose will be steam cleaned. An adequately sized basin will then be filled with potable water and a laboratory detergent (Microwash/Alconox). The detergent will be pumped through the pump and hose. After the detergent wash, potable water will be pumped through the pump and hose from another basin in order to remove all residue detergent. All development, purge and decon water is to be containerized in DOT approved drums for later disposal.

After waiting at least twenty-four (24) hours, groundwater samples will be obtained from all monitoring wells. The depth to water and the depth to bottom of each well will be measured with a tape in order to determine the height of standing water in each well. The tape will be decontaminated between each well. The volume of water in each well will be calculated. Prior to sampling, a minimum of three (3) well casing volumes will be removed by hand bailing. All development, purge and decon water is to be containerized in DOT approved drums for later disposal.

After a minimum of three (3) well casing volumes is removed, a dedicated polyethylene bailer will be utilized to obtain each groundwater sample. Each sample will be placed in a pre-cleaned, laboratory supplied container for the appropriate analysis the have teflon lined covers. No headspace will be present within the samples. Sample containers will then be placed on blue ice until shipped to the laboratory. All samples will be uniquely identified, and all information associated with the samples will be recorded on a chain of custody document. A copy of a Toxicon chain of custody is included in Appendix H.

5.5 General Quality Assurance/Quality Control Protocol

In addition to the above-mentioned procedures, the following measures will be taken to avoid cross contamination of samples:

General Quality Assurance/Quality Control Protocol

1. Any pumps or bailers exposed to free product are never used for either purging or sampling of monitoring wells.

2. If two or more wells are being sampled, the wells anticipated to be less contaminated are sampled first. All equipment is always cleaned and decontaminated between well samplings.

3. Upon completion of sampling the monitoring wells, all purging and sampling equipment is cleaned and decontaminated on site.

All samples will be uniquely identified, and information associated with each sample will be recorded on container labels and the chain of custody document. The sample containers slated for laboratory analysis will be immediately placed on ice and kept refrigerated until hand delivered to the laboratory. Chain of custody documents will be kept with all samples at all times.

Trip and field blanks will also be obtained. Trip blanks will be supplied by the laboratory. The laboratory will also supply deionized water for the field blanks. The deionized water will be poured through a disposable bailer before the bailer is utilized for well sampling or over a Macro Core liner prior to use. Matrix spike and matrix spike duplicate samples will also be obtained during drilling and sampling. QA/QC samples will be analyzed for all parameters to check for possible cross contamination due to sampling equipment or transport. It should also be noted that Toxicon will perform all internal laboratory QA/QC as specified for CLP analyses. NYSDEC ASP category B will be followed by the laboratory for data usability.

5.6 Data Validation

The laboratory data will be evaluated by a third party (Appendix G) according to the Division of Environmental Remediation (DER) Data Usability Summary Report (DUSR) guidelines (Appendix I). A Data Usability Summary Report will be included in the Investigation Report in order to determine whether or not the data, as presented, meets the site/project specific criteria for data quality and data use.

6.0 Health and Safety Plan

A Health and Safety Plan for the investigation work has been sent under separate cover.

7.0 Reporting and Schedule

After all of the results are received and reviewed, an Investigation Report will be written. All data generated and all other obtained information will be incorporated in the report, including a summary of the work done, the resulting analytical data, engineering and geological interpretations of the data, and the overall conclusions regarding the nature and extent of contamination at the Site. Recommendations for further investigations, additional data that must be collected, and/or remediation will be included in the report. A qualitative human health exposure assessment will also be incorporated into the final report. A certification will be provided stating that all activities were performed in full accordance with the approved Investigation Work Plan, or detailing the reasons for any variances from same.

The following is a schedule for the anticipated performance of the above-mentioned proposed work (all time periods are measured from the date(s) written approval is received from the NYSDEC, and a contractual agreement by Alert and TBES):

1.	Estimate to client for conducting work		within 10 days
2.	Soil Gas / Geophysical Survey	-	within 30 days
3.	Drilling and soil sampling	-	within 60 days
4.	Well installation	-	within 90 days
5.	Well development and sampling	-	within 120 days
6.	Well surveying	-	within 120 days
7.	Investigation Report preparation	-	within 180 days

8.0 Citizens Participation Plan

The State of 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. Under the VCP, municipalities and private parties can enter into an agreement with the New York State Department of Environmental Conservation (NYSDEC) to investigate and/or clean up a site. NYSDEC and the New York State Department of Health (NYSDOH) oversee the investigation and/or cleanup. Sites in this program undergo a detailed and often lengthy process of investigation, evaluation, and cleanup. A citizens participation plan has been developed in order to keep the public informed about the site. Below is a brief description of how NYSDEC involves the public during the investigation and cleanup process.

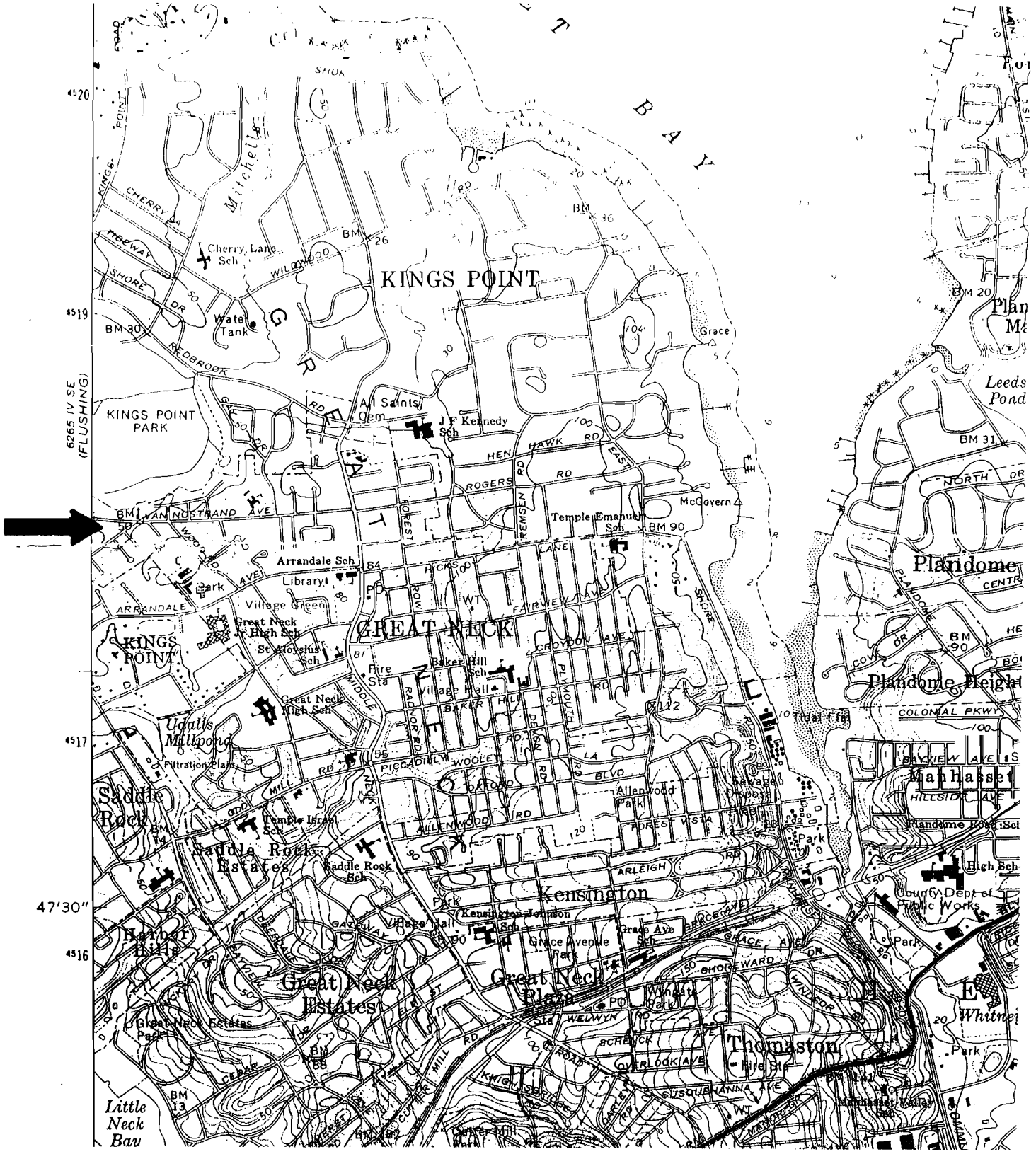
When NYSDEC or a responsible party begins to investigate an inactive hazardous waste disposal site, NYSDEC physically issues a fact sheet announcing the investigation to people living near the site, as well as to local newspapers, radio and television stations, and local elected officials on the site mailing list. The fact sheet describes the upcoming investigation activities and includes information on who to contact from NYSDEC and NYSDOH if you have questions and to be placed on the mailing list. NYSDEC mails additional fact sheets as the site moves through different milestones of the investigation phase and into the cleanup phase.

Each fact sheet mentions a document repository, such as the local library, where you can read key documents about the site, such as investigation reports or proposed cleanup plans. The repository chosen for information about this location is the Reference Department of the Great Neck Main Library, 159 Bayview Avenue, Great Neck, NY 11021.

After site investigations are complete, NYSDEC or a responsible party, drafts a cleanup plan and makes it available to the public. As in the investigation phase, NYSDEC sends another fact sheet to announce the plan and a 30-day comment period for people to provide input on the proposed plan. Once a cleanup plan is approved, it moves to the "design and construction" phase. During each phase, NYSDEC continues its efforts to keep the public informed, via fact sheets sent out to the mailing list, announcing the beginning of construction, and additional fact sheets may be sent at key points as the cleanup project progresses.

APPENDIX A

MAPS

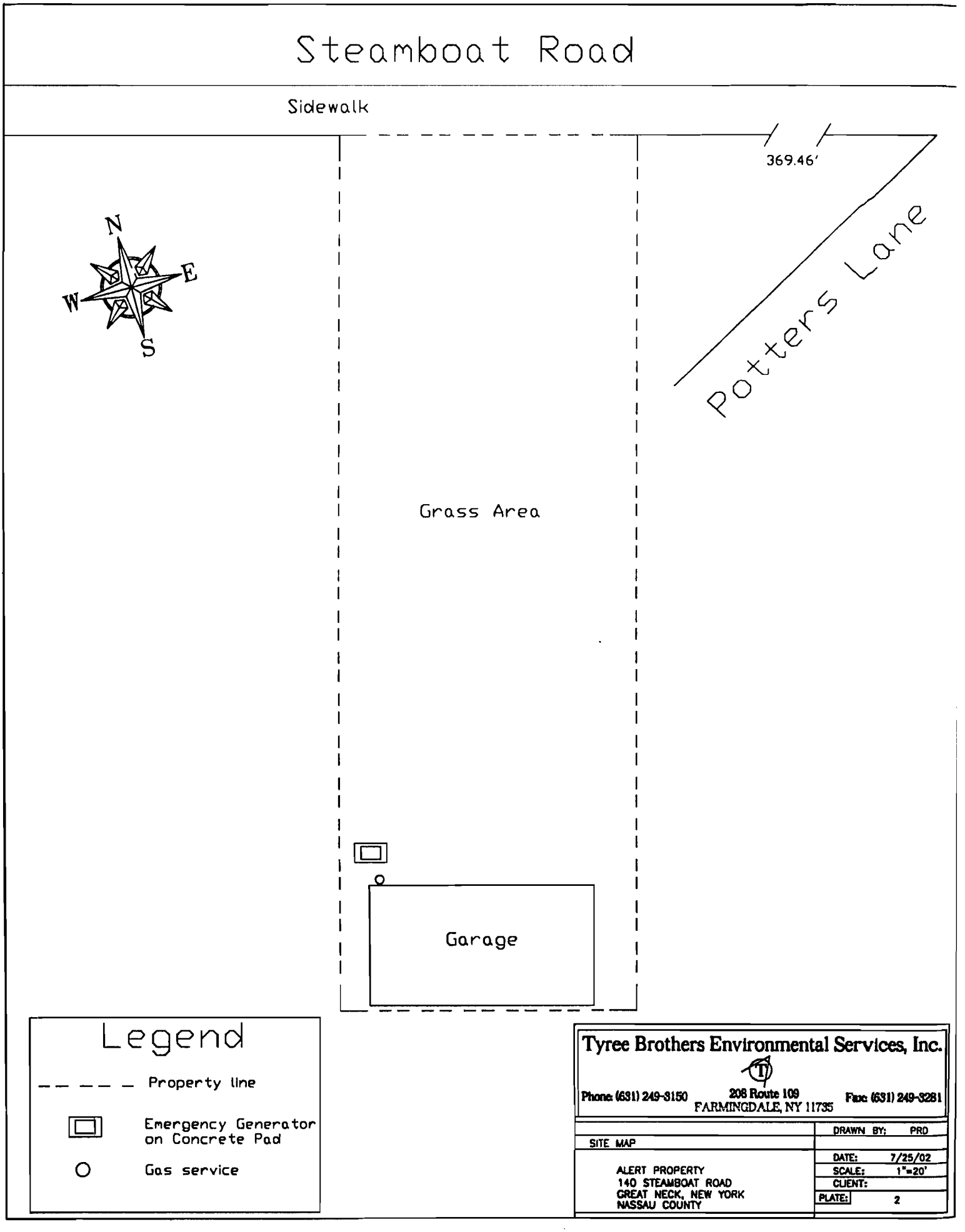


Tyree Brothers Environmental Services, Inc.
208 Route 109
FARMINGDALE, NY 11735
Phone: (631) 249-3150
Fax: (631) 249-3281

PLATE 1. - USGS TOPOGRAPHIC MAP
SEA CLIFF QUADRANGLE - 1979

ALERT FIRE (GREAT NECK) SITE
140 STEAMBOAT ROAD
GREAT NECK, NY 11023

DRAWN BY:	DMR
DATE:	8/13/02
SCALE:	1:24,000
CLIENT:	ALERT FIRE CO.
PLATE:	1

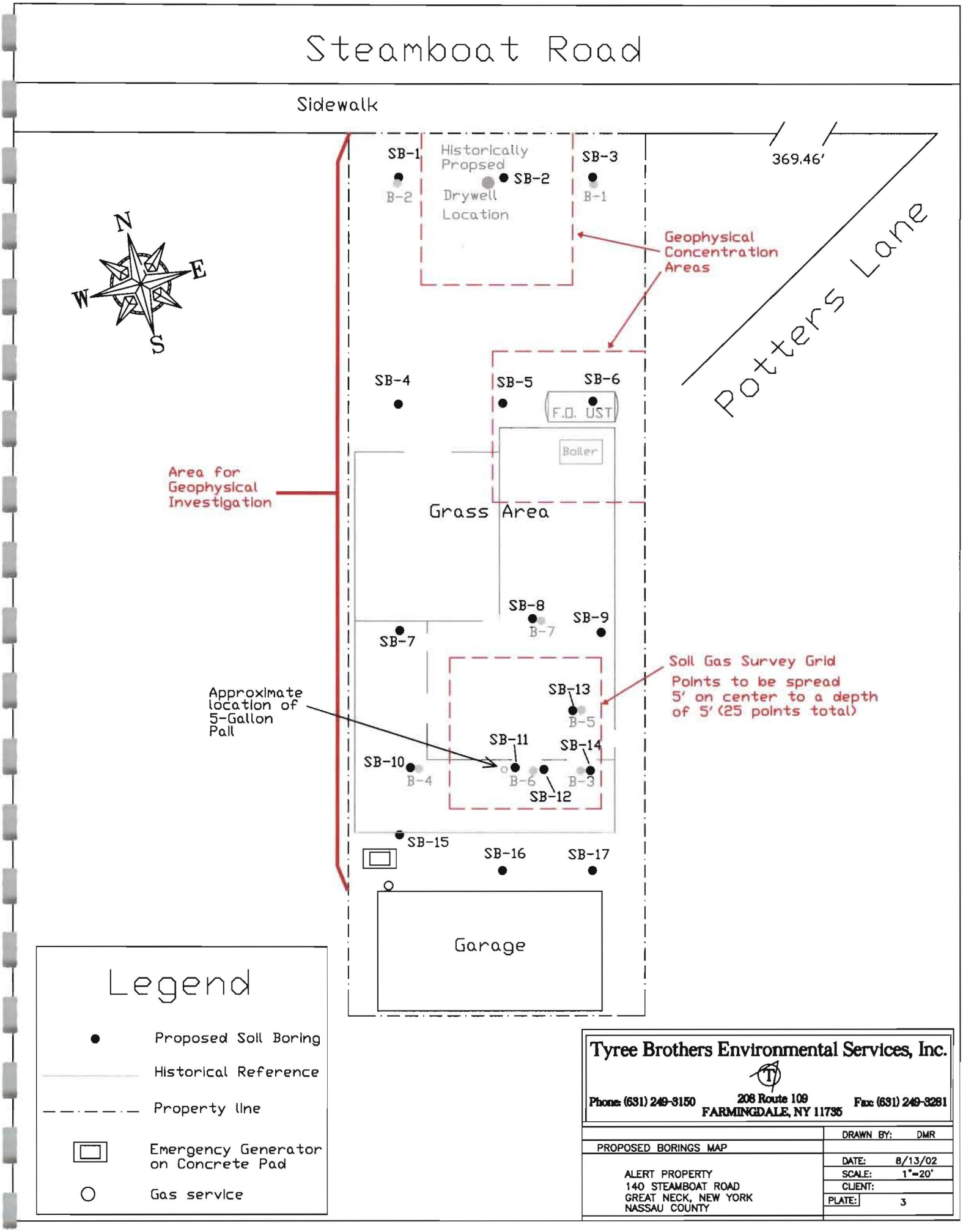


Tyree Brothers Environmental Services, Inc.
Phone: (631) 249-3150
208 Route 109
FARMINGDALE, NY 11735
Fax: (631) 249-3281

SITE MAP

ALERT PROPERTY
140 STEAMBOAT ROAD
GREAT NECK, NEW YORK
NASSAU COUNTY

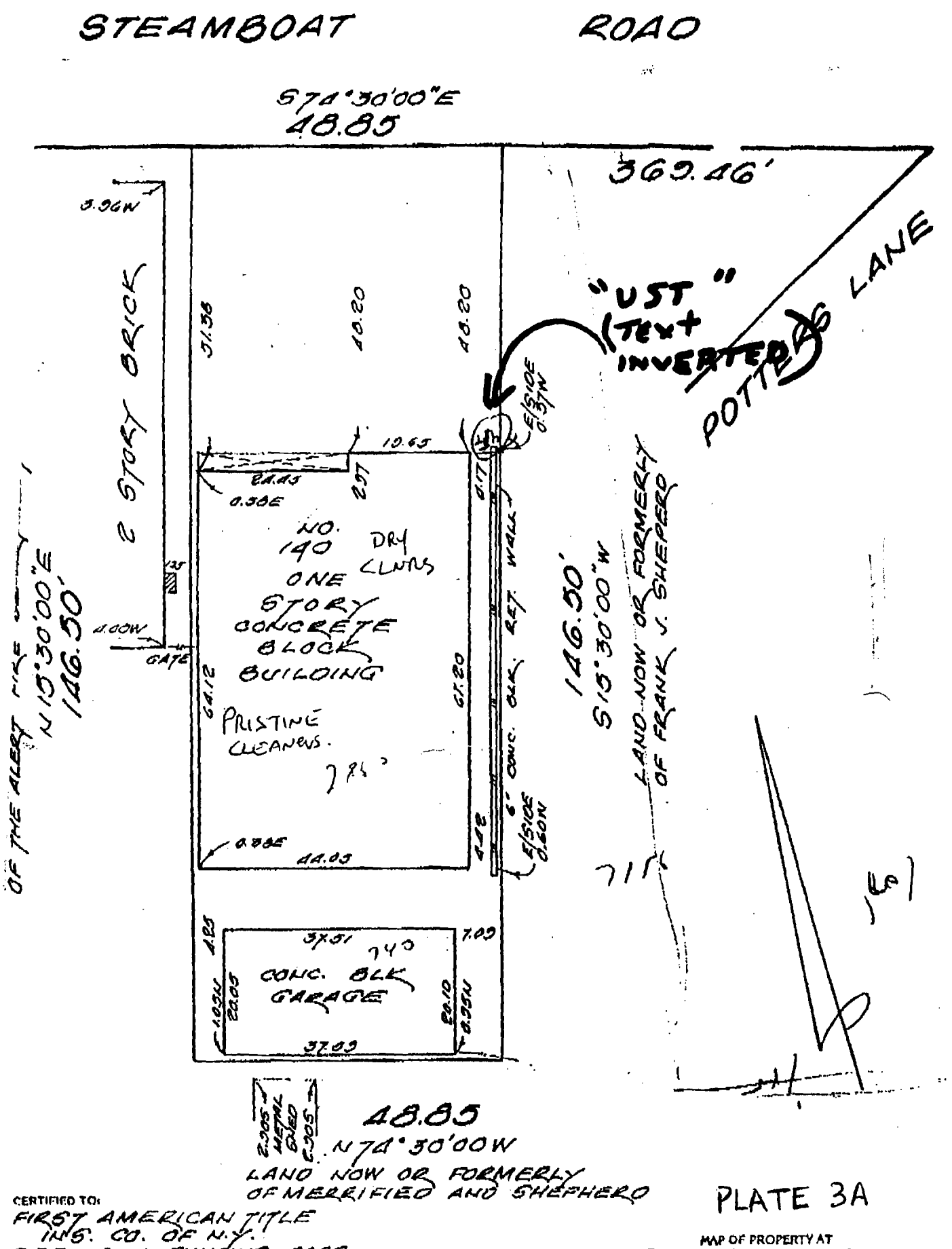
DRAWN BY: PRO
DATE: 7/25/02
SCALE: 1"=20'
CLIENT:
PLATE: 2



Tyree Brothers Environmental Services, Inc.

Phone: (631) 249-3150 — 208 Route 109, FARMINGDALE, NY 11735 — Fax: (631) 249-3281

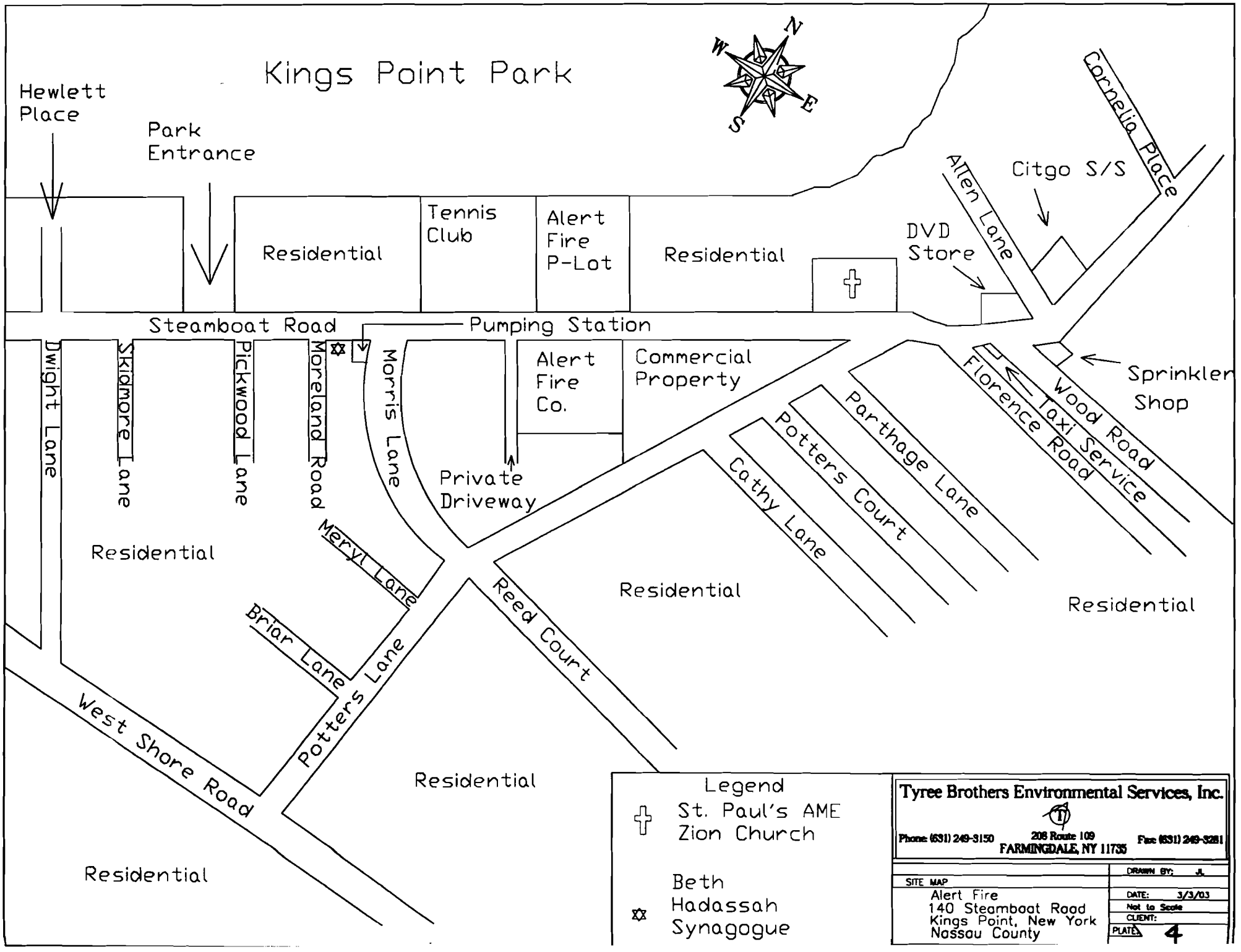
PROPOSED BORINGS MAP	DRAWN BY: DMR
ALERT PROPERTY 140 STEAMBOAT ROAD GREAT NECK, NEW YORK NASSAU COUNTY	DATE: 8/13/02 SCALE: 1"=20' CLIENT: PLATE: 3



CERTIFIED TO:
FIRST AMERICAN TITLE INS. CO. OF N.Y.
RESOURCE FUNDING CORP.

PLATE 3A

MAP OF PROPERTY AT
GREAT NECK
NASSAU COUNTY, N.Y.
SURVEYED OCT. 2, 1986


Kings Point Park
N
W
E
S
Hewlett Place
Park Entrance
Residential
Tennis Club
Alert Fire P-Lot
Residential
DVD Store
Allen Lane
Citgo S/S
Cornelia Place
Steamboat Road
Pumping Station
Dwight Lane
Skidmore Lane
Pickwood Lane
Moreland Road
Morris Lane
Alert Fire Co.
Commercial Property
Private Driveway
Sprinkler Shop
Florence Road
Taxi Service
Wood Road
Parthage Lane
Potters Court
Cathy Lane
Meryl Lane
Briar Lane
Potters Lane
Reed Court
West Shore Road
Residential
Residential
Residential
Residential
Residential
Legend
St. Paul's AME Zion Church
Beth Hadassah Synagogue
Tyree Brothers Environmental Services, Inc.
Phone: (631) 249-3150
208 Route 109
FARMINGDALE, NY 11735
Fax: (631) 249-3281
SITE MAP
Alert Fire
140 Steamboat Road
Kings Point, New York
Nassau County
DRAWN BY: JL
DATE: 3/3/03
Not to Scale
CLIENT:
PLATE 4

APPENDIX B

BACKGROUND INFORMATION

KOST ENVIRONMENTAL SERVICES, INC.

167 NO. BROADWAY • LINDENHURST, NEW YORK 11757 • TELEPHONE (516) 226-2156 FAX (516) 957-0646

SITE ASSESSMENT

COMMERCIAL PROPERTY

#140 Steamboat Road

Great Neck, New York

October, 1993

PREPARED FOR: Alert Engine, Hook, Ladder and Hose Co., No.1, Inc.
555 Middle Neck Road
Great Neck, New York 11023

PREPARED BY: Kost Environmental Services, Inc.
167 N. Broadway
Lindenhurst, New York 11757

KOST ENVIRONMENTAL SERVICES, INC.

167 NO. BROADWAY • LINDENHURST, NEW YORK 11757 • TELEPHONE (516) 226-2156 FAX (516) 957-0646

TABLE OF CONTENTS

PURPOSE AND SCOPE

The purpose and scope of this report was to conduct an environmental assessment of the subject property located at #140 Steamboat Road, Great Neck, New York.

Various items were identified during the investigation and included:

1. A physical site inspection of the property.
2. Contact with the New York State Department of Environmental Conservation (NYSDEC), Nassau County Department of Health, and the Village of Great Neck.
3. Review of New York State & Federal listings.
4. A survey of adjacent properties for current land use.
5. Soil conditions.
6. Groundwater conditions.
7. Asbestos survey.
8. An evaluation of the various factors obtained during the assessment.

PHYSICAL SITE ASSESSMENT

The project site is located on the southside of Steamboat Road, approximately two and one-half (2½) miles north of N.Y.S. Route 25A; one-half (½) mile east of Little Neck Bay; and one (1) mile west of Middle Neck Road in the incorporated Village of Great Neck, Town of North Hempstead, County of Nassau, New York. (See Figure I - Location Map)

The subject site consists of approximately 0.16 acres of property. There is a one-story concrete block building and a one-story concrete block garage presently on the site. The structures occupy approximately 2900 s.f. and 740 s.f. of area, respectively. The main structure is presently vacant and the garage is used for storage purposes. There is a gravel parking area on the property immediately north of the main structure which is used for ingress and egress to the site.

An inspection of the exterior area surrounding the structures revealed the following:

1. The presence of no (0) leaching basins for stormwater collection and drainage purposes,

2. The presence of an underground storage tank (UST) used for the storage of fuel oil. The size and age of this tank are both unknown;

3. No evidence of aboveground electrical transormers;

4. No evidence of aboveground storage tanks;

5. No staining of the soil or dead vegetation was observed which is an indication of chemical spillage; and

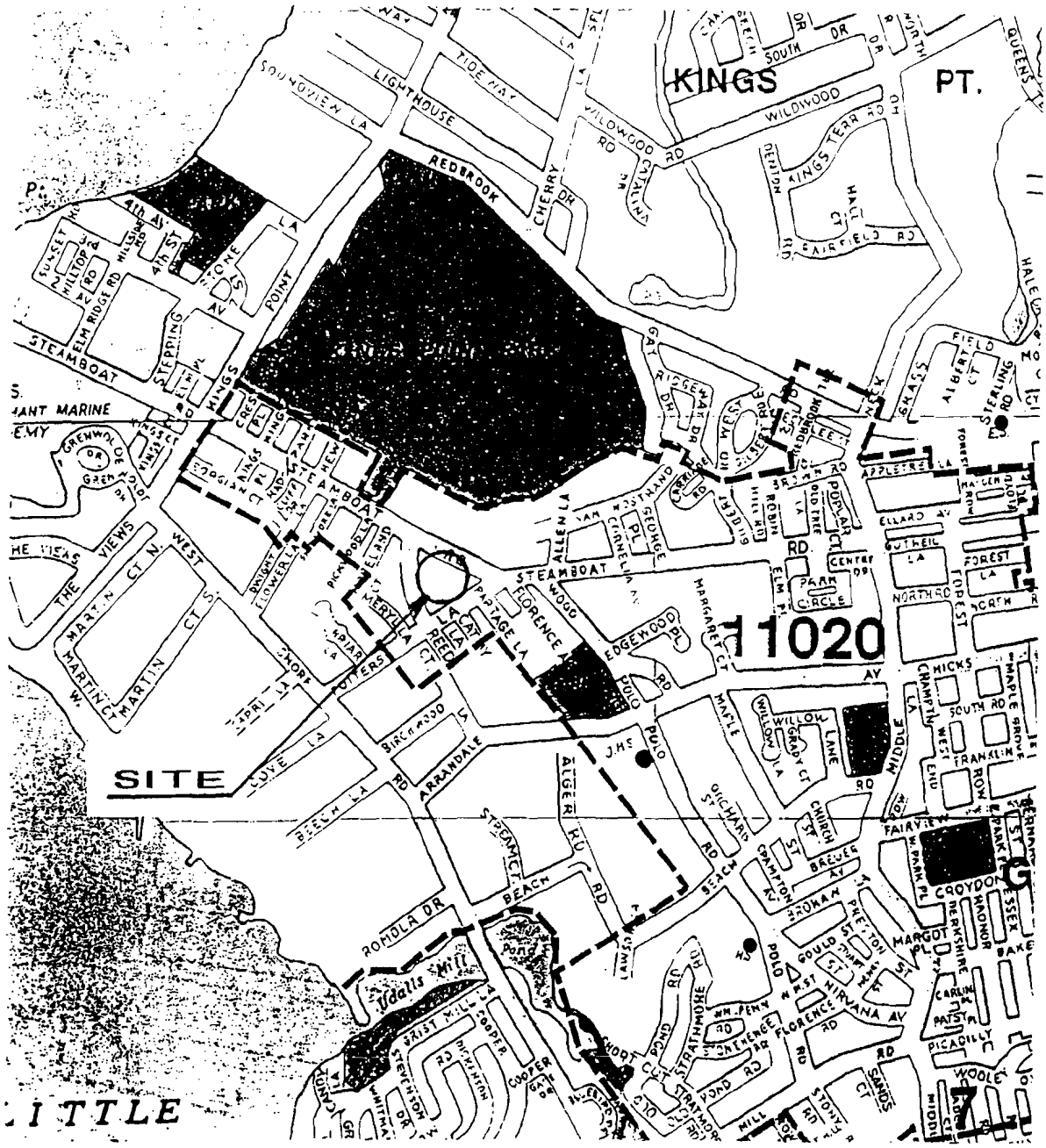


FIGURE 1

LOCATION MAP

PHYSICAL SITE ASSESSMENT CONT.

6. No evidence of hazardous materials or hazardous waste storage was observed.

An inspection of the interior of the two (2) structures revealed the following:

I. Main Structure

This structure was vacant and in poor condition with respect to the condition of walls, ceilings and floors. The structure was partitioned into various areas that consisted primarily of concrete floors and concrete floors with vinyl asbestos tiles, concrete block walls, and sheet rock/ acoustic tile ceilings. Three (3) empty fifty five (55) gal. drums with no markings or labels were observed in this structure. In addition, a thirty (30) gallon plastic container with unknown contents was also observed within the structure. A five (5) gallon plastic pail sunk into the soil was also observed at the rear of this structure. The soil adjacent to this pail was screened with a photo-ionization detector (PID) with non-detectable to 10 parts per million (ppm) concentrations observed.
Boiler room areas were also observed with one boiler indicating the presence of asbestos sheet packing.

II. Garage

This structure consisted of concrete block walls, a concrete floor and a sheetrock ceiling. The area was presently being utilized for the storage of amusement game machines. There was no evidence of drum storage or chemical storage observed in this area.

PHYSICAL SITE ASSESSMENT CONT.

The general area is supplied potable water by the Water Authority of Great Neck North. The area is also served by municipal sanitary sewers.

The land use surrounding the property consists of:

(1) A fire department station to the west; (2) a commercial banking use to the east; (3) a tennis complex and commercial/residential uses to the north; and (4) residential uses to the south.

HISTORY OF PROPERTY

An inspection of the records of the Village of Great Neck's Assessors Office and Building Department revealed the following:

1. The subject property is identified as Section 1, Block 17, Lot 107;

2. Issuance of Building Permit #1699 on May 26, 1950 for the erection of a 2189 s.f. office and shop. Certificate of Occupancy #574 was issued on November 30, 1950;

3. Issuance of Building Permit #3651 on December 4, 1963 for alterations for retail dry cleaning and storage purposes. Certificate of Occupancy #2594 was issued on April 21, 1965;

4. Issuance of Building Permit #4189 on September 8, 1967 for an addition to the existing premises of approximately 70 s.f. Certificate of Occupancy #3004 was issued on November 29, 1967;

5. The premises is located in a Business "B-2" and Residence "C" District. The present use is by approval of the Board of Appeals Case #435 in 1963;

6. There have been numerous violations recently written against the property regarding dumpings, debris, unsecure conditions, etc.

AGENCY CONTACT

STATE

The New York State Department of Environmental Conservation (NYSDEC) was contacted in order to ascertain whether any hazardous materials, incidents, known landfill sites, etc. were reported.

The NYSDEC indicated that there have not been any reported hazardous materials, spills, incidents or known landfill sites with regard to the subject site. However, the NYSDEC did indicate that there have been numerous spills in the vicinity of the subject site. Subsequently, a review of the NYSDEC files revealed that two hundred sixty nine (269) spills occurred in the Great Neck vicinity within the past ten (10) years. None of the above-mentioned spills has had an adverse impact upon the subject property with regard to surface conditions.

LOCAL

The Nassau County Department of Health (NCDH) was contacted in order to ascertain whether any hazardous materials, incidents, etc. were reported with respect to the subject site. A freedom of information request was submitted and is presently being processed by the NCDH. The results of the request will be added to this assessment by addenda as soon as processing is completed.

NEW YORK STATE PUBLICATION REVIEW

A review of the NYSDEC Publication, "Inactive Hazardous Waste Disposal Sites in New York State - Volume I, Nassau, Suffolk, April, 1993" and the "Quarterly Status Report of Inactive Hazardous Waste Disposal Sites, July, 1993", indicated no sites identified within a one (1) mile radius of the subject site.

FEDERAL PUBLICATION REVIEW

As a result of the Superfund Amendments and Reauthorization Act (SARA), the United States Environmental Protection Agency (EPA) has developed a list of hazardous waste sites referred to as the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) site list. This list is a compilation of potential hazardous waste sites in New York State, and the presence of a site on this list does not confirm the presence of an environmental problem or a public health threat. Each site will be assessed by the EPA to determine the extent, if any, of a hazardous waste problem.

A review of the CERCLIS site list did not reveal any sites within a one (1) mile radius of the subject property.

A review of the Environmental Protection Agency's National Priorities Listing (NPL) indicated no sites within a one (1) mile radius of the subject property.

SOILS REPORT

The U.S. Department of Agriculture, Soil Conservation Service (SCS), "Soil Survey of Nassau County, New York (February, 1987)" has identified the various soil types that are found in the project area.

The Undisturbed soil types in the project area consist of:

Urban Land - Riverhead Complex, 0 to 3 percent Slopes

This unit consists of ubranized areas and very deep, well drained soils. It is on the nearly level tops of benches, plains, and broad ridges. The areas are round or irregularly shaped and range from 10 to 1,000 acres. This unit consists of about 65 percent urbanized areas, 20 percent Riverhead soils, and 15 percent other soils. The urbanized areas and Riverhead soils are so intermingled that it was not practical to map them separately.

The urbanized areas are buildings, roads, driveways, parking lots, and other manmade structures.

The typical sequence, depth, and composition of the layers of the Riverhead soils are as follows-

Surface layer:

Surface to 3 inches, dark brown sandy loam

Subsoil:

3 to 8 inches, strong brown fine sandy loam
8 to 17 inches, yellowish brown fine sandy loam
17 to 24 inches, yellowish brown sandy loam
24 to 35 inches, brownish yellow loamy sand

Substratum:

35 to 52 inches, brownish yellow sand
52 to 60 inches or more, brownish yellow gravelly sand

Included with this unit in mapping are small areas of well drained Enfield soils, excessively drained Plymouth soils, and excessively drained to mederately well drained Udipsamments.

SOILS REPORT CONT.

The Enfield soils are in areas where the subsoil has a higher silt content than that in the Riverhead soils, and they make up about 10 percent of the unit. The Plymouth soils are in areas where the subsoil is sandy, and the Udipsamments are where sandy material has been mixed with the surface layer and subsoil. Together, those two soils make up about 5 percent of the unit.

GROUNDWATER CONDITIONS

Groundwater resources for the project area are present in both the upper Glacial surface aquifer and the underlying Magothy aquifer.

The Magothy is a confined aquifer comprised of interbedded sand, silt and clay with some gravelly zones and is present throughout the project vicinity.

The upper glacial aquifer is comprised of permeable, unconsolidated sands and gravels and is also in the project vicinity. The groundwater underlying the site has been federally designated as a "sole source aquifer" as has all of Nassau and Suffolk Counties.

The subject site is situated above two groundwater zones that have been identified by the Long Island Comprehensive Waste Treatment Management Plan (208 Study) as Hydrogeologic Zones VIII and I. (See Figure 2 - Hydrogeological Zones)

Zone I is characterized as a deep recharge area that contributes recharge water to a deep groundwater flow system that replenishes the quantity and affects the quality of the long-term water supply. Specifically, this zone contributes water to the middle and lower portions of the Magothy aquifer.

Portions of this zone have shown evidence of contamination in the Glacial, and to a lesser extent the Magothy aquifer, due to the nitrates from fertilizers and on-site waste water disposal systems and by synthetic organic chemicals from industrial and other discharges.

GROUNDWATER CONDITIONS CONT.

Zone I has been identified as the "source of water supply for the majority of Nassau and Suffolk residents and requires the most careful management." (Special Groundwater Protection Area Project, 1986)

Zone VIII is defined as being "located on the north shore of Nassau and Suffolk Counties" with "groundwater flow towards the harbors, bays, or to the Long Island South." Zone VIII is not a critical recharge zone.

The groundwater flow direction beneath the project site is generally in a west-southwest direction as obtained from groundwater contour maps developed by the N.C.D.P.W. (See Figure 3 - Groundwater Flow) As mentioned previously, it is also important to note that there is a vertical downward component to the groundwater in this general area.

It is also important to note that the project site is located approximately 3½ miles to the northwest of the North Hills. Special Groundwater Protection Area" (See Figure 4). This designation defines the SGPA as a significant, largely undeveloped or sparsely developed geographic area of Long Island that provides recharge to portions of the deep flow aquifer system. The management and development of these type areas are under close scrutiny with possible future restrictions regarding incompatible uses within these zones.

GROUNDWATER CONDITIONS CONT.

The closest municipal groundwater pumping station to the site is located approximately five hundred (500) feet to the west on the west side of Morris Lane. Discussion with Mr. N. McKenna of the Water Authority of Great Neck North indicated that this pumping station consists of one (1) pumping well that operates continuously at a rate of 700 gpm. The depth of the well is 235 feet with a 50 foot screened area at a depth between 185 feet and 235 feet. The water quality is good with no organic contamination detected in their sampling routine. The well was installed in 1951. The soil formation recorded with the installation of this well indicated clay layers from a depth of 37 feet to 220 feet and coarse sand, fine gravel and fine clay between 220 feet to 290 feet.

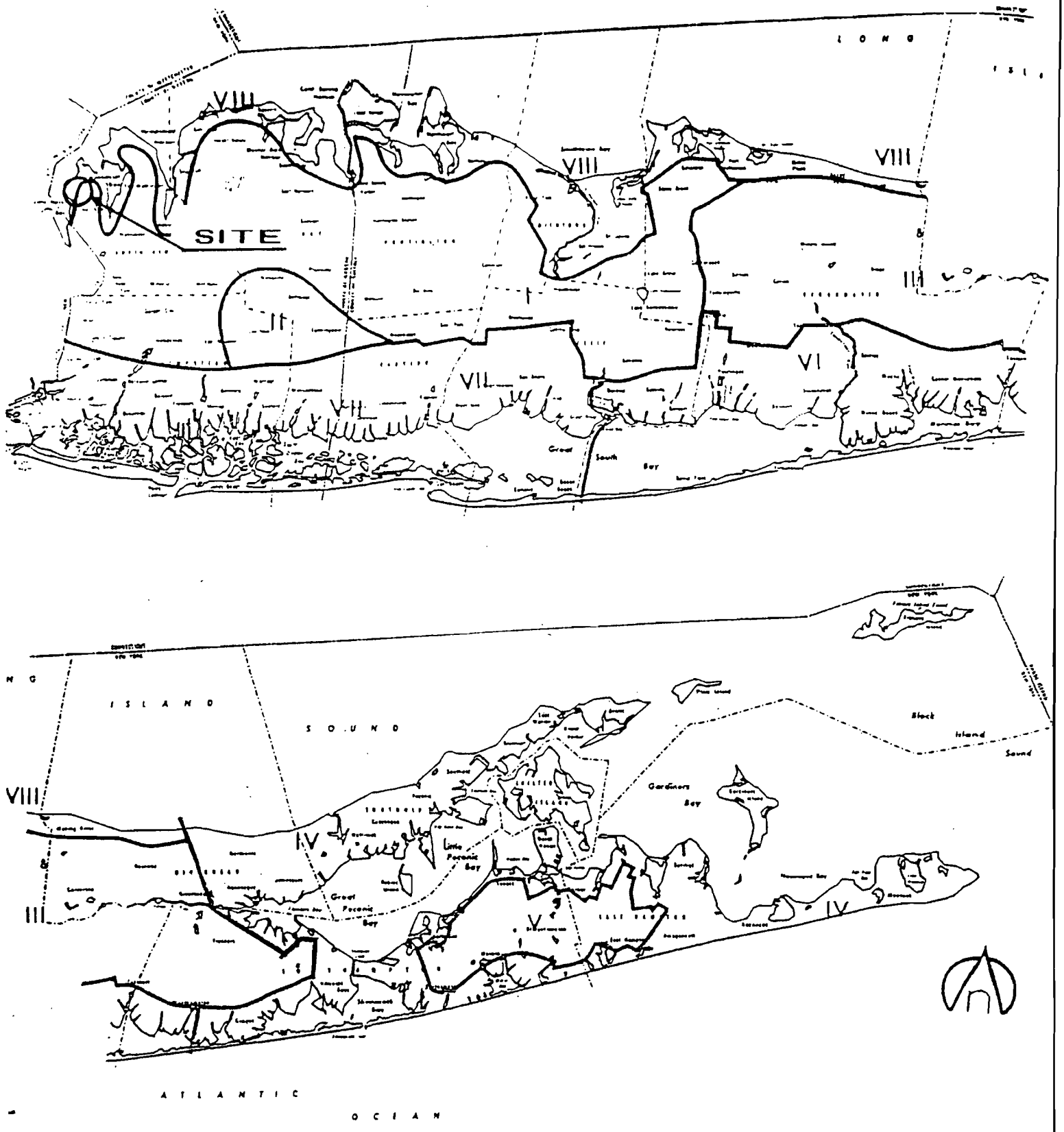


FIGURE 2

Revisions to the Hydrogeologic Zones
(Ground-water Management Program [NYSGMP] - 1983)

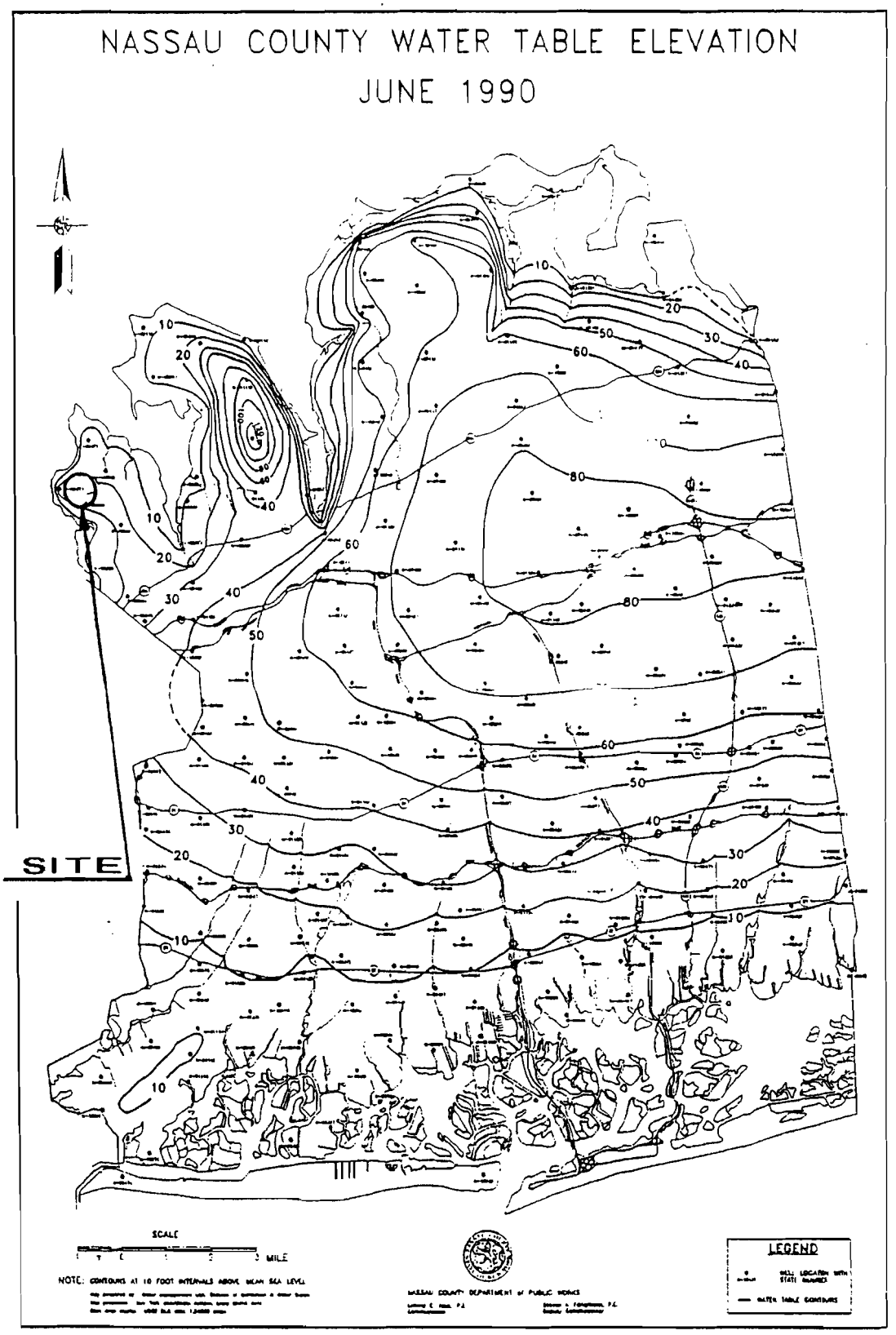


FIGURE 3

GW FLOW

ASBESTOS SURVEY

The asbestos inspection at the subject property was limited to a non-aggressive evaluation of material readily visible. Areas behind walls, floors, or ceilings were, therefore, excluded from evaluation. For this inspection, the suspected asbestos containing materials (SACM) of interest included; pipe insulation, boiler insulation, flooring, exterior siding shingles, plaster walls, ceiling tiles, fire-proofing board, sprayed or troweled-on insulation, acoustical panels, decorative panels, and transite boards.

The result of the inspection revealed suspected asbestos containing materials (SACM) in the following locations:

1. Main Building - vinyl asbestos tile flooring
2. Main Building - asbestos-packing on boiler
3. Main Building - ceiling tiles
4. Main Building - roofing material
5. Garage - roofing material

It should be noted that the flooring areas, ceiling tile areas and roofing areas did not indicate "friable" conditions of SACM nor were any remedial actions required in these areas. However, "friable" SACM was observed in the boiler area. This area requires remediation in accordance with State and Federal regulations.

CONCLUSIONS

Based upon the physical site inspection, research, and general information, the following is concluded:

1. A physical site inspection of the property revealed no evidence of significant spills, illegal discharges, etc. with regard to surface conditions.

2. There were no (0) drainage basins observed on the subject property.

3. There were no (0) aboveground transformers observed on the subject property.

4. An underground fuel oil storage tank (UST) was identified on the northerly section of the property. The size of the tank is not known nor is the age and composition of the UST known. However, it is reasonable to assume that the UST is of steel construction and has not been in use for a minimum of five (5) years. It is recommended that if this UST is scheduled for re-use, a tank test be performed in accordance with Article XI of the Nassau County Public Health Ordinance. Likewise, if the UST is scheduled for abandoniment or removal it shall be performed in accordance with provisions of Article XI.

5. There were no (0) aboveground storage tanks (AST's) observed on the subject property.

6. An inspection of the interior of the structures revealed no evidence of spills, storage of hazardous materials, hazardous wastes, etc. with respect to the garage area. However, a plastic container of unknown contents was observed in the main structure and requires removal and

CONCLUSIONS CONT.

disposal in accordance with local, county, state and federal regulations. In addition, a plastic pail was also observed sunken into the soil at the rear of the main structure. Screening of the soil adjacent to this pail did indicate the presence of some organic contamination. Due to the history of this site regarding dry cleaning operations, it is recommended that additional soil sampling be performed to determine the extent and type of soil contamination.

7. A review of the NYSDEC publication, "Inactive Hazardous Waste Disposal Sites in New York", revealed that no (0) sites were listed within a one (1) mile radius of the subject property.

8. A review of the federal CERCLIS listing identified no (O) sites within a one (1) mile radius of the subject property.

9. A review of the federal NPL listing identified no (0) sites within a one (1) mile radius of the site.

10. A review of Region I NYSDEC spill files revealed that two hundred sixty nine (269) spills have occurred in the Great Neck vicinity over the past ten (10) years. None of these spills have occurred on the subject site or adversely affected the subject property with respect to surface conditions.

11. The soils beneath the site are described as sandy loam and clay and are not well drained.

CONCLUSIONS CONT.

12. The site is not located within the boundaries of any special groundwater protection area. The nearest SGPA is located approximately 3½ miles to the southeast ie. North Hills SGPA.

13. The site is located approximately five hundred (500) feet east of a municipal wellfield. The wellfield is also downgradient of the subject site. The water quality associated with this wellfield has not shown any organic contamination.

14. There was suspected asbestos containing material (SACM) observed in the main structure regarding flooring, ceiling tiles, roofing material and boiler packing. The SACM observed at the boiler area was friable and requires remediation once confirmation of asbestos has been obtained.

15. In as much as no subsurface investigation (drilling/ soils/water analysis) was performed on the subject property, an opinion can not be rendered regarding groundwater quality or soil quality beneath the site.

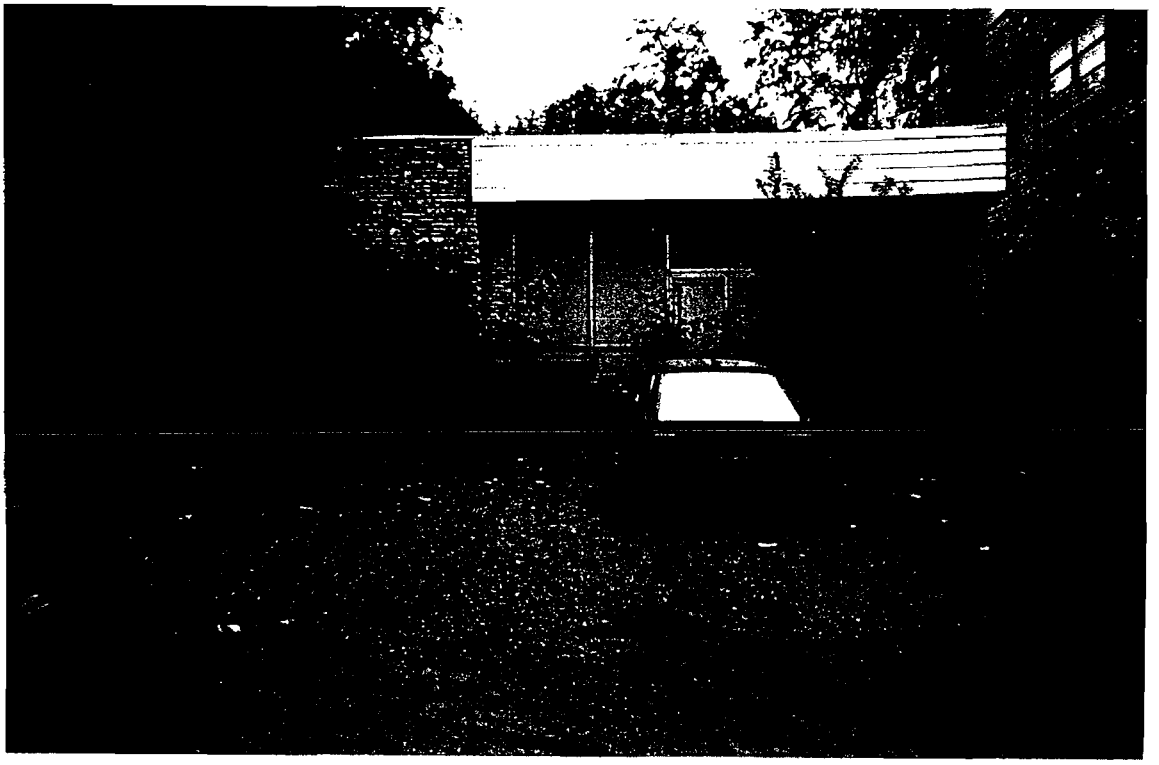
DISCLAIMER

This site assessment and report were prepared for the use of Alert Engine, Hook, Ladder and Hose Co., No. 1, Inc. The conclusions provided by Kost Environmental Services, Inc. in this assessment are based solely on the information reported in this document. Future investigative site information which was not available to Kost Environmental Services, Inc. at the time of this assessment may result in a modification of the conclusions stated above. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur. This report has been prepared in accordance with generally accepted practices. No other warranty, expressed or implied, is made.

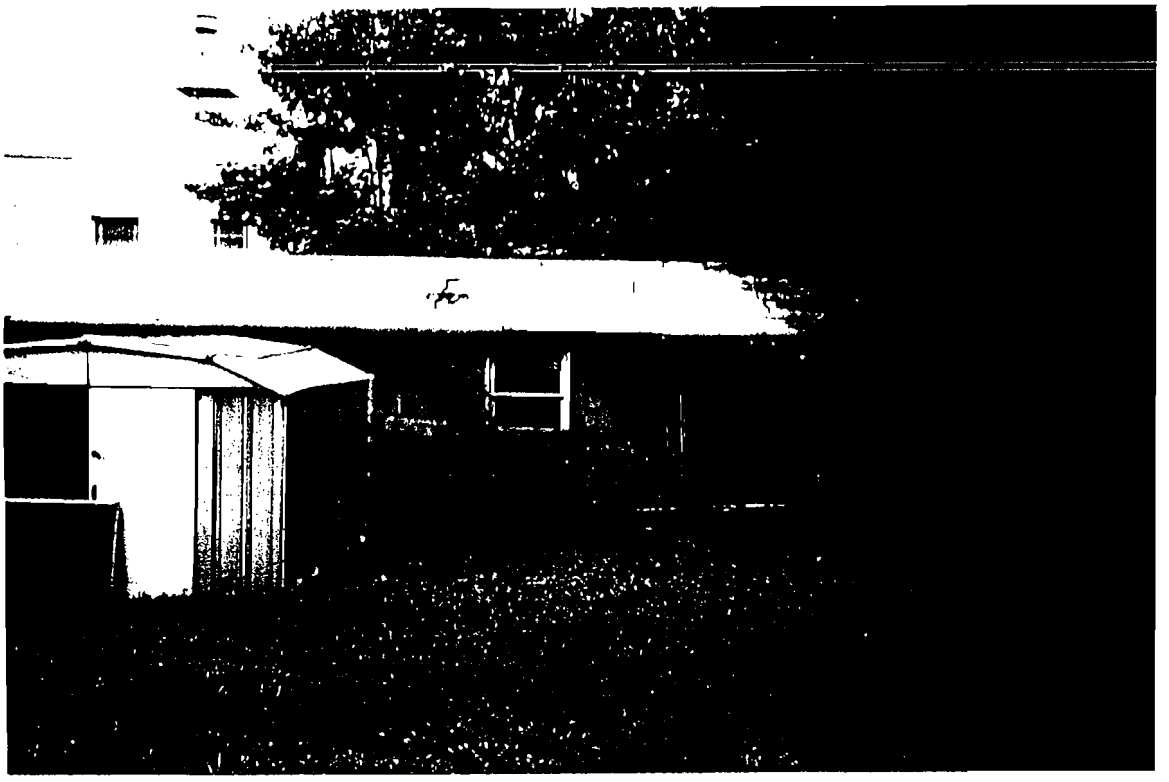
APPENDIX

PHOTOLOG

EXTERIOR/WEST



EXTERIOR/NORTH



EXTERIOR/SOUTH

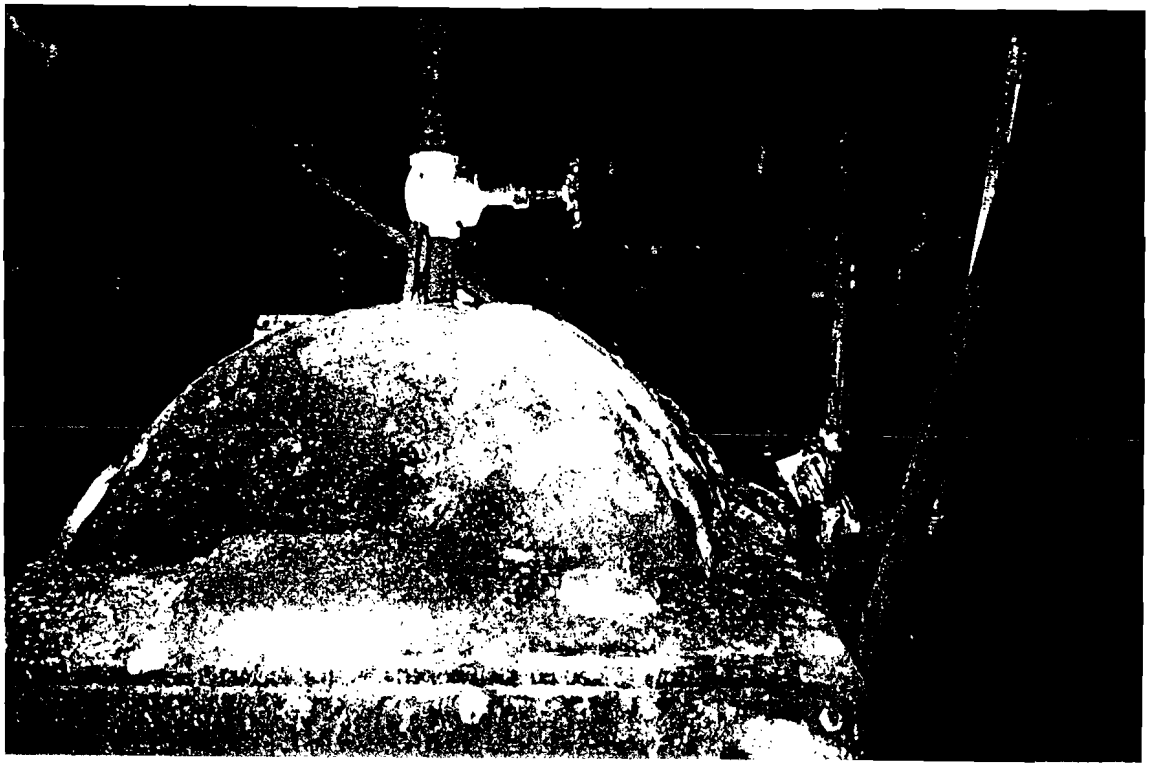
EXTERIOR/EAST

INTERIOR/GARAGE

INTERIOR/MAIN BLDG

INTERIOR/MAIN BLDG

INTERIOR/MAIN BLDG



BOILER/ASBESTOS

INTERIOR/MAIN BLDG

FREEDOM OF INFORMATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Bureau of Spill Prevention and Response
Suffolk/Nassau Counties -- REGION 10 -- THRU 3/93
Spill Number Order

SPILL NUMBER	SPILL DATE	SPILL LOCATION	SPILL NAME	MUNICIPALITY	SPILL SOURCE	WATER. CLASS	PETRO SPILL	MATERIAL SPILLED	SPILL CAUSE	RES. AFFECT	NOTIFIER	DRAIN BAS	CLEANER	QUANTITY SPILLED	PIN NO.	CLEAN DATE	CLOSE DATE	STATUS
8100012	/ /			GREAT NECK	12	S	0		12	1	0	0	1	0.00	1425	07/31/85	07/31/85	C
8101460	/ /			GREAT NECK	12	S	0		12	1	0	0	1	0.00	1584	07/31/85	07/31/85	C
8200157	04/21/82	NORTHERN BLVD.	AMOCO	GREAT NECK	5	1	1		9	3	11	17	1	0.00	2652	/ /	/ /	A
8300388	05/23/83	WATERMILL LANE	POSS PRESTIGE BOX CO	GREAT NECK	12	5	0		12	3	11	17	1	0.00	3893	03/15/86	01/31/89	C
8301152	08/30/83	VISTA RD	UNIVERSAL/COMMANDER	GREAT NECK	3	1	3	#2 OIL AND/OR GAS?	12	3	8	17	1	0.00	3971	01/17/92	/ /	C
8301387	10/07/83	NORTHERN BLVD	CITIZENS WATER SUPPLY	GREAT NECK	12	2	11	solvents?	12	3	2	17	4	0.00	3993	/ /	/ /	A
8500513	05/09/85	MIDDLE NECK RD ET AL.	GHOVAMLOO	GREAT NECK	5	1	1	contaminated soil	11	3	6	17	2	0.00	5547	11/01/90	10/21/91	C
8502607	10/23/85	BEACH RD. & BAY VIEW AVE.	GREAT NECK S.D	GREAT NECK	1	1	11		10	3	0	0	0	0.00	95016	07/09/87	10/13/88	C
8503233	/ /	GREAT NECK ESTATES		GREAT NECK	0	0	0		0	0	0	0	0	0.00	95069	01/03/86	10/10/86	C
8600460	04/18/86	20 CHAPEL PLACE		GREAT NECK	8	1	2		10	1	8	1702	2	100.00	0	03/04/87	03/04/87	C
8601280	05/23/86	795 NORTHERN BLVD.	UNK.	GREAT NECK	12	1	1	POSSIBLE GASOLINE	12	3	8	1702	2	0.00	96104	/ /	/ /	A
8602104	06/25/86	STEPPING STONE MARINA	UNK	GREAT NECK	10	1	1		11	4	9	17	1	0.00	96144	07/10/86	04/06/93	C
8602475	06/28/86	345 Lakeville Rd.	Sunset Sanitation	GREAT NECK	7	1	0	Hydraulic	3	2	1	17	2	2.00	0	06/30/86	06/30/86	C
8603263	08/16/86		UNK.	GREAT NECK	12	1	11		12	4	3	17	4	0.00	0	05/04/87	05/04/87	C
8605223	07/01/86	33 ELLIOT RD	GABRIEL	GREAT NECK	9	1	2		11	1	2	17	2	0.00	0	11/05/92	11/05/92	C
8605673	12/08/86	69 BAKER HILL ROAD	APOLLO	GREAT NECK	8	1	2		10	1	2	17	2	15.00	0	03/24/87	03/24/87	C
8605931	12/18/86	GRACE AVENUE	BELCHER OIL CO.	GREAT NECK	12	1	3		10	1	2	17	2	20.00	0	01/20/87	01/20/87	C
8606701	01/31/87	12 BARSTOW	A&I FUEL OIL	GREAT NECK	9	1	3		10	1	11	17	2	80.00	0	01/12/89	01/12/89	C
8607066	02/19/87	2 CRESCENT ROAD	GIFFORDS ENERGY	GREAT NECK	8	1	2		10	1	1	17	2	5.00	0	03/04/87	03/04/87	C
8607548	03/11/87	GREAT NECK HIGH SCHOOL	LILCO	GREAT NECK	2	1	8		3	1	1	17	2	5.00	0	03/16/87	03/16/87	C
8700976	05/05/87	69 BAKER HILL ROAD	BELCHER FUEL OIL	GREAT NECK	2	1	3		10	1	2	17	2	10.00	0	05/08/87	05/08/87	C
8701711	06/01/87	150 HICKS LANE POLE 810	LILCO	GREAT NECK	1	1	9		3	1	1	17	2	2.00	0	06/19/87	06/19/87	C
8703044	07/15/87	410 NORTHERN BLVD	UNK	GREAT NECK	6	1	1		2	1	4	17	2	30.00	0	07/16/87	07/16/87	C
8703208	07/21/87	DWIGHT LANE	LILCO	GREAT NECK	2	1	8		3	1	1	17	2	1.00	0	11/16/87	11/16/87	C
8703817	08/07/87	BATES ROAD	UNK	GREAT NECK	12	3	0	PESTICIDE	12	1	3	1700	4	0.00	0	08/07/87	08/07/87	C
8703873	08/10/87	68 GRACE AVENUE	ST.PAUL'S CHURCH	GREAT NECK	2	1	2		5	3	5	17	2	0.00	0	12/31/88	12/31/88	C
8705273	09/23/87	1 MAPLE DRIVE	ALBERT H.SIMMS CO.	GREAT NECK	1	1	2		5	3	5	17	2	0.00	0	07/17/89	07/17/89	C
8705363	09/25/87	50 HILL PARK AVENUE	LONDONWOOD MGT	GREAT NECK	1	1	3		5	3	5	17	2	0.00	0	06/29/90	06/29/90	C
8705875	10/13/87	HICKS LANE POLE #81C	LILCO	GREAT NECK	2	1	8	MINERAL OIL	3	1	1	17	2	0.00	0	11/16/87	11/16/87	C
8705894	10/09/87	2 JOHNSTON ROAD	LENORD HARROW	GREAT NECK	9	1	2		9	2	8	17	3	200.00	0	10/18/87	10/18/87	C
8705911	10/14/87	EAST SHORE ROAD	GREAT NECK STP	GREAT NECK	2	1	2		12	1	1	17	4	0.00	0	11/12/87	11/12/87	C
8706167	10/21/87	160 MIDDLE NECK ROAD	KENWOOD GARDENS	GREAT NECK	1	1	2		5	3	5	17	2	0.00	0	08/29/91	08/29/91	C
8706269	10/26/87	236 EAST SHORE ROAD	GREAT NECK WATER POLLUTIO	GREAT NECK	1	1	7		11	3	1	17	4	0.00	0	12/31/87	12/31/87	C
8706787	11/09/87	236 EAST SHORE ROAD	GREAT NECK WATER POLLUT.	GREAT NECK	2	1	2		5	3	5	17	2	0.00	0	06/02/88	06/02/88	C
8706798	11/10/87	2110 NORTHERN BLVD	AMERICANA SHOPPING CENTER	GREAT NECK	1	1	2		5	3	5	17	2	0.00	0	02/24/88	02/24/88	C
8706990	11/16/87	349 LAKEVILLE ROAD	GREAT NECK SCHOOLS	GREAT NECK	2	1	5		1	1	1	17	2	5.00	0	03/01/88	03/01/88	C
8707075	11/18/87	390 GREAT NECK ROAD	GREAT NECK GULF	GREAT NECK	5	1	1		5	3	4	17	2	0.00	0	03/22/88	03/22/88	C
8707566	12/03/87	85 MAPLE STREET	ST.ALOYSIUS CHURCH	GREAT NECK	2	1	2		5	3	5	17	2	0.00	0	09/15/89	09/15/89	C
8707580	12/03/87	592 MIDDLE NECK ROAD	ST.ALOYSIUS CHURCH	GREAT NECK	2	1	2		5	3	5	17	2	0.00	0	09/15/89	09/15/89	C
8707582	12/04/87	9 PARK PL & GRACE AVENUE	TRIANGLE BLDG	GREAT NECK PLAZA	2	1	2		12	1	4	17	3	15.00	0	01/09/89	01/09/89	C
8707666	12/07/87	15 ST PAUL'S PLAZA	GRACE PLAZA NURSING HOME	GREAT NECK	2	1	2		9	3	5	17	2	0.00	0	03/06/89	03/06/89	C
8707944	12/14/87	605 NORTHERN BLVD	GULF OIL	GREAT NECK	1	1	5		5	3	5	17	2	0.00	0	02/19/88	02/19/88	C
8708007	12/16/87	4727 JAYSON AVENUE	ATLANTIC FUELS MARK CORP	GREAT NECK	2	1	3		10	1	2	17	2	200.00	0	01/11/88	01/11/88	C
8708184	12/21/87	800 MIDDLE NECK ROAD	MELANIE ENTERPRISE	GREAT NECK	1	1	2		5	3	5	17	2	0.00	0	/ /	/ /	A
8708608	01/08/88	5 ASH PLACE	COMMANDER OIL CO	GREAT NECK	8	1	2		10	1	8	17	3	275.00	0	02/09/88	02/09/88	C
8708765	01/14/88	NO SIDE OF NORHTERN BLVD	UNK	GREAT NECK	12	1	11		12	3	2	17	4	0.00	0	/ /	/ /	A
8708798	01/15/88	JASON AVENUE	GREAT NECK SCHOOLS	GREAT NECK	2	1	3		5	3	5	17	2	0.00	0	02/09/88	02/09/88	C

8708765	01/14/88	NO SIDE OF NORHTERN BLVD	UNK	GREAT NECK	12	1	11		12	3	2	17	4	0.00	0	/ /	/ /	A
8708798	01/15/88	JASON AVENUE	GREAT NECK SCHOOLS	GREAT NECK	2	1	3		5	3	5	17	2	0.00	0	02/09/88	02/09/88	C

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8709115	01/25/88	208 MIDDLE NECK ROAD	SHELL OIL CO	GREAT NECK	5	1	2		5	3	5	17	2	0.00	0	04/06/88	04/06/88	C
8709618	02/12/88	GREAT NECK RD & WATERMILL	AMERICAN S/S	GREAT NECK	5	1	11		11	3	3	17	3	0.00	0	09/19/91	09/19/91	C
8709624	02/12/88	242 GREAT NECK ROAD	AMOCO	GREAT NECK	5	1	7		3	1	1	17	2	0.00	0	09/19/91	09/19/91	C
8709627	02/13/88	NORTHERN BLVD	ISLAND TRANS.CORP	GREAT NECK	8	1	1		3	1	1	17	3	100.00	0	02/22/88	02/22/88	C
8709719	02/17/88	40 STONER AVENUE	BURNSIDE OIL CO	GREAT NECK PLAZA	12	1	3		12	1	4	17	2	30.00	0	06/13/88	06/13/88	C
8709737	02/18/88	10 BOND STREET	COMMANDER	GREAT NECK	1	1	2		1	1	11	17	2	20.00	0	02/22/88	02/22/88	C
8709789	02/19/88	1 SOUTH MIDDLE NECK	CENTRAL COAT & APRON	GREAT NECK	7	1	5		1	2	3	17	2	10.00	0	02/22/88	02/22/88	C
8710024	02/27/88	56 SOMMERSET DRIVE SOUTH	UNK	GREAT NECK	12	1	1		12	2	2	1700	4	0.00	0	03/07/88	03/07/88	C
8710192	03/04/88	200 NORTHERN BLVD	RICH CONVERSANO/MOBIL OIL	GREAT NECK	5	1	1		5	3	5	1700	2	0.00	0	04/20/88	04/20/88	C
8710329	03/10/88	LAKEVILLE ROAD	GREAT NECK PUBLIC SCHOOLS	GREAT NECK	2	1	2		9	1	1	1700	3	1000.00	0	04/07/88	04/07/88	C
8800327	04/11/88	SHORE DRIVE/NO CIRCLE DR	LILCO	GREAT NECK	2	1	0	MINERAL OIL	3	1	1	1700	2	12.00	0	04/18/88	04/18/88	C
8800583	04/18/88	80 WATER MILL RD	GREAT NECK SCHOOL	GREAT NECK	2	1	3		5	3	5	1700	2	0.00	0	05/09/88	05/09/88	C
8800724	04/23/88	GRACE AVE. & BARSTOW RD	M & B OIL CO	GREAT NECK PLAZA	8	1	3		12	1	4	1700	2	100.00	0	08/02/88	08/02/88	C
8801561	05/20/88	40 STONER AVENUE	ALEXANDER WOLF & CO	GREAT NECK	1	1	3		5	3	5	1700	2	0.00	0	04/10/89	04/10/89	C
8801681	05/19/88	265 EAST SHORE TO	TEXACO SS	GREAT NECK/MANHASSET	5	1	1		12	3	1	1700	4	0.00	0	/ /	/ /	A
8802402	06/15/88	MIDDLE NECK ROAD	LILCO	GREAT NECK	2	1	8		3	1	1	1700	2	3.00	0	12/31/88	12/31/88	C
8802852	06/29/88	160 LINDEN BLVD	RAY TLAKSTIS JR	GREAT NECK	1	1	1		7	2	4	1700	4	0.00	0	01/12/89	01/12/89	C
8803129	07/11/88	20 HILL PARK AVENUE	WAVECREST MGT	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
8803776	07/29/88	150 NICKS LANE	LILCO	GREAT NECK	1	1	8	TRANSFORMER OIL	3	1	1	1700	2	1.00	0	08/01/88	08/01/88	C
8803837	07/27/88	170 MIDDLE NECK ROAD	DORAY ENTERPRISES	GREAT NECK	5	1	1		11	3	6	1700	2	0.00	0	/ /	/ /	A
8803853	08/01/88	208 MIDDLENECK ROAD	ALLENWOOD SMELL	GREAT NECK	5	1	7		12	1	8	1700	3	0.00	0	08/02/88	08/02/88	C
8803995	08/05/88	35 KNIGHTSBRIDGE ROAD	ALEXANDAR WOLF & CO	GREAT NECK	2	1	2		5	3	5	1700	2	0.00	0	05/02/89	05/02/89	C
8804712	08/29/88	300 EAST SHORE RD	DONNA COMPANY INC	GREAT NECK	1	1	11		6	4	8	1700	2	0.00	0	08/29/89	08/29/89	C
8804740	08/25/88	99 STEAMBOAT ROAD	DARAY ENTER	GREAT NECK	5	1	7		6	1	6	1700	4	0.00	0	/ /	/ /	A
8806837	11/04/88	813 MIDDLE NECK ROAD	HERBERT KIRSHNER	GREAT NECK	1	1	1		10	3	3	1700	2	0.00	0	05/20/91	05/20/91	C
8806893	11/17/88	345 LAKEVILLE ROAD	GREAT NECK S.D	GREAT NECK	2	1	4		5	3	5	1700	2	0.00	0	12/22/88	12/22/88	C
8807240	12/02/88	2 SPRUCE STREET	TWO SPRUCE TOWER	GREAT NECK	1	1	3		5	3	5	1700	2	0.00	0	01/22/90	01/22/90	C
8807926	12/30/88	220 NORTHERN BLVD	ITC	GREAT NECK	8	1	1		9	2	4	1700	2	100.00	0	02/13/89	02/13/89	C
8807928	12/31/88	EAST MILL DRIVE	AMERADA HESS	GREAT NECK	1	1	3		12	2	6	1700	3	0.00	98469	09/19/91	/ /	C
8808363	01/19/89	256 NORTHERN BLVD	NOT AVAILABLE	GREAT NECK	5	1	1		5	3	5	1700	2	0.00	0	09/07/89	09/07/89	C
8808812	02/10/89	6 OXFORD BLVD	WEINBERGER RESIDENCE	GREAT NECK	9	1	2		9	3	1	1700	2	0.00	0	02/24/89	02/24/89	C
8809637	03/15/89	14 PLYMOUTH ROAD	UNK	GREAT NECK	12	1	11		12	3	7	1700	4	0.00	0	07/03/89	07/03/89	C
8900387	04/13/89	8 WELWIN RD.	RICHLAND MGT.	GREAT NECK	1	1	4		11	3	8	0	2	0.00	0	07/25/91	07/25/91	C
8901096	05/03/89	3 RIVERS DRIVE	RIECH RESIDENCE	GREAT NECK	9	1	2		9	3	8	1700	2	0.00	0	07/15/89	07/15/89	C
8902028	05/23/89	260 MIDDLE NECK RD.	UNK	GREAT NECK	12	1	11		12	1	7	0	4	0.00	0	03/25/91	03/25/91	C
8902055	05/30/89	10 ROBIN WAY	RILANDER	GREAT NECK	9	1	2		9	3	8	0	2	0.00	0	03/11/91	03/11/91	C
8902348	05/30/89	595 NORTHERN BLVD	MOBIL S/S SNOOPY AUTO SER	GREAT NECK	1	1	11		12	2	8	1700	2	0.00	0	09/19/89	09/19/89	C
8902472	06/08/89	595 NORTHERN BLVD	MOBIL OIL	GREAT NECK	12	1	7		12	2	1	1700	2	0.00	0	06/15/89	06/15/89	C
8902488	06/09/89	239 GREAT NECK ROAD	WAM GROUP	GREAT NECK	2	1	2		5	3	5	1700	2	0.00	0	07/05/89	07/05/89	C
8902568	06/12/89	21 BARSTOW ROAD	LILCO	GREAT NECK	1	1	8		1	1	1	1700	2	1.00	0	06/13/89	06/13/89	C
8902877	06/16/89	23 HARTMEN ROAD	GUTENTLAN RESIDENCE	GREAT NECK	9	1	2		9	3	8	1700	2	0.00	0	06/21/89	06/21/89	C
8902931	06/19/89	208 MIDDLE NECK ROAD	MIDDLE NECK SMELL	GREAT NECK	5	1	11		11	2	8	1700	2	0.00	0	12/05/91	12/05/91	C
8902968	06/21/89	20 HILL PARK AVENUE	WAVES PRESS MANAGEMENT	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
8903109	06/25/89	31 NORTHERN BLVD	SPF S/S / EXXON	GREAT NECK	5	1	1		1	2	4	1700	2	50.00	99244	06/26/89	/ /	A
8903303	06/29/89	6 WEST MILL DRIVE	GREAT NECK TERRACE APTS	GREAT NECK	1	1	2		11	3	8	1700	2	0.00	0	05/11/92	05/11/92	C
8903304	06/26/89	5 STREAM COURT	LEWIS OIL CO	GREAT NECK	1	1	2		10	1	1	1700	2	1.00	0	07/03/89	07/03/89	C
8903434	07/06/89	780 NORHTERN BLVD	AUTO SPA	GREAT NECK	1	1	1		9	2	10	1700	2	30.00	0	08/02/89	08/02/89	C

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8903476	07/06/89	240 EAST SHORE ROAD	UNK	GREAT NECK	12	1	11		12	4	9	1700	3	0.00	0	07/10/89	07/10/89	C
8903870	07/18/89	SCHENK AVENUE	UNK	GREAT NECK	1	1	7	GASOLINE	7	2	7	1700	4	0.00	0	09/11/89	09/11/89	C
8904359	08/01/89	GREAT NECK SUB STATION	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	1.00	0	08/03/89	08/03/89	C
8904541	08/04/89	8 TERRACE CIRCLE	GREAT NECK TERRACE APTS	GREAT NECK	2	1	3		11	3	8	1700	2	0.00	0	09/06/89	09/06/89	C
8904566	08/06/89	WILLOW LANE	LILCO	GREAT NECK	2	1	0	MINERAL OIL	3	1	1	1700	2	0.00	0	08/10/89	08/10/89	C
8904601	08/08/89	25 CHAPEL PLACE	REGAL HOUSE	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	11/16/90	11/16/90	C
8904602	08/08/89	20 CHAPEL PLACE	FAIRFIELD HOUSE	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	12/04/90	12/04/90	C
8904622	08/08/89	SUSQUEHANNA AVE/NORTHERN	BEIMER PONTIAC	GREAT NECK	1	1	2		9	3	6	1700	2	0.00	0	/ /	/ /	A
8904893	08/16/89	MIDDLE NECK RD/PRESTON RD	UNK	GREAT NECK	12	1	11		12	2	8	1700	4	0.00	0	09/06/89	09/06/89	C
8905059	08/21/89	13 CIRCLE DRIVE	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	2.00	0	08/22/89	08/22/89	C
8905079	08/22/89	27 RAMSEY ROAD	BERKOWITZ	GREAT NECK	9	1	2		9	3	8	1700	2	0.00	0	11/24/89	11/24/89	C
8905348	08/15/89	18 STEAMBOAT ROAD	WALTER ENGLE RESIDENCE	GREAT NECK	9	1	2		3	1	11	1700	2	10.00	0	08/31/89	08/31/89	C
8905538	09/06/89	4 EAST HILL DRIVE	GREAT NECK TERRACE APTS	GREAT NECK	1	1	2		11	3	8	1700	2	0.00	0	/ /	/ /	A
8905910	09/15/89	EAST SHORE ROAD	UNK	GREAT NECK	12	5	11	GREEN SUBSTANCE	12	4	7	1700	3	0.00	0	12/26/89	12/26/89	C
8906017	09/18/89	3 TERRACE CIRCLE	GREAT NECK TERRACE APTS	GREAT NECK	2	1	3		11	3	8	1700	2	0.00	0	01/02/92	01/02/92	C
8906407	09/29/89	744 MIDDLE NECK ROAD	HILTON AUTO REPAIR	GREAT NECK	2	1	7	CRANK CASE/FILTERS	7	1	11	1700	3	0.00	0	12/07/89	12/07/89	C
8906491	10/02/89	240-250 MIDDLE NECK ROAD	GARDEN APTS	GREAT NECK	1	1	2		10	1	9	1700	2	0.00	0	03/01/90	03/01/90	C
8906600	10/03/89	2 LONGVIEW PLACE	SOMECK RESIDENCE	GREAT NECK	9	1	2		11	1	8	1700	2	0.00	0	10/26/89	10/26/89	C
8907426	10/26/89	57 WARWICK ROAD	IRVING MALLMAN RESIDENCE	GREAT NECK	9	1	2		11	3	11	1700	2	0.00	0	02/06/90	02/06/90	C
8907622	10/30/89	105 CLOVER AVENUE	BELCHER FUEL OIL	GREAT NECK	2	1	3		10	1	1	1700	2	0.00	0	11/08/89	11/08/89	C
8907873	11/08/89	265 EAST SHORE ROAD	UNK	GREAT NECK	5	1	11		12	2	2	1700	3	0.00	0	11/09/89	11/09/89	C
8908402	11/01/89	9 PARKSIDE DRIVE	MR. MICHAEL BARENHOLTZ	GREAT NECK	9	1	2		9	3	1	1700	2	0.00	0	12/12/90	12/12/90	C
8908591	11/30/89	345 LAKEVILLE ROAD	GREAT NECK PUBLIC SCHOOLS	GREAT NECK	2	1	4		3	1	2	1700	2	200.00	0	12/05/89	12/05/89	C
8909062	12/13/89	SOMMERSET DRIVE	UNK	GREAT NECK	12	1	1	GASOLINE ODORS	12	5	8	1700	4	0.00	0	01/19/90	01/19/90	C
8909281	12/14/89	29 CHADWICK ROAD	SMOLARFLY	GREAT NECK	9	1	2		11	1	6	1700	2	0.00	0	12/14/89	12/14/89	C
8909470	12/31/89	123 STATION ROAD	NANAFLING RESIDENCE	GREAT NECK	9	1	2		11	2	11	1700	2	20.00	0	01/13/92	01/13/92	C
8909972	01/18/90	GRACE AVE & CHAPEL STREET	WILLIAM FLYNN/COMMANDER O	GREAT NECK	8	1	2		3	1	1	1700	2	0.00	0	01/22/90	01/22/90	C
8910451	02/01/90	20 STEVENSON DRIVE	COMMANDER OIL	GREAT NECK	9	1	2		1	1	1	1700	2	1.00	0	02/02/90	02/02/90	C
8910512	01/15/90	48 BEACH ROAD	UNK NEIGHBORS	GREAT NECK	9	2	0	GARBAGE	7	1	2	1700	4	0.00	0	02/05/90	02/05/90	C
8910682	02/08/90	240 EAST SHORE ROAD	COMMANDER FUEL OIL	GREAT NECK	3	1	2		3	1	1	1700	2	1.00	0	02/13/90	02/13/90	C
8910947	02/16/90	60 EMERSON DRIVE	ALL STATE FUEL OIL	GREAT NECK	8	1	2		3	1	4	1700	2	100.00	0	02/26/90	02/26/90	C
8911016	02/20/90	5 OLD MILL ROAD	COMMANDER OIL	GREAT NECK	8	1	2		3	1	1	1700	2	5.00	0	02/20/90	02/20/90	C
8911326	03/01/90	6 GRACE AVENUE	RELIANCE UTILITIES	GREAT NECK	8	1	2		10	1	1	1700	2	3.00	0	03/02/90	03/02/09	C
8911713	03/12/90	7 POPLAR COURT	WALTER LIEBERSON	GREAT NECK	9	1	1	WASTE OIL	7	3	7	1700	2	0.00	0	10/01/90	10/01/90	C
8911764	03/13/90	SPRING LA & HICKS LANE	LILCO	GREAT NECK	2	1	8	MINERAL OIL	3	1	4	1700	2	12.00	0	03/22/90	03/22/90	C
8911769	03/13/90	139 BAYVIEW AVENUE	GREAT NECK STP	GREAT NECK	2	1	5		9	3	11	1700	2	0.00	0	03/21/90	03/21/90	C
8912047	03/20/90	5 OLD MILL ROAD	TEMPLE BETH EL OF GREAT N	GREAT NECK	2	1	2		3	2	11	1700	3	5.00	0	03/21/90	03/21/90	C
8912304	03/26/90	788 MIDDLE NECK & STEAMBO	MOBIL	GREAT NECK	5	1	2		9	3	8	1700	2	0.00	0	11/09/90	11/09/90	C
9000446	04/12/90	345 LAKEVILLE ROAD	GREAT NECK SCHOOL	GREAT NECK	2	1	5		5	3	5	1700	2	0.00	0	04/23/90	04/23/90	C
9000664	02/07/90	NORTHERN BLVD	GREAT NECK AUTO SPA	GREAT NECK	1	1	7		6	1	8	1700	2	0.00	0	10/09/90	10/09/90	C
9000900	04/24/90	14 DARLEY STREET	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	1.00	0	04/25/90	04/25/90	C
9001100	04/28/90	WOOLEYS LANE	LILCO	GREAT NECK	2	1	8		11	1	1	1700	2	1.00	0	05/21/90	05/21/90	C
9001274	05/02/90	50 GREENLEAF HILL	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	1.00	0	05/11/90	05/11/90	C
9001531	05/08/90	MIDDLE NECK ROAD	BELGRAVE OLDSMOBILE	GREAT NECK	2	1	7	POSS SOLVENTS	11	2	6	1700	2	0.00	0	06/01/90	06/01/90	C
9001582	05/10/90	788 MIDDLE NECK ROAD	MOBIL S/S	GREAT NECK	5	1	2	WASTE OIL	10	1	1	1700	2	0.00	0	11/09/90	11/09/90	C
9001590	03/30/90	595 NORTHERN BLVD	MOBIL S/S	GREAT NECK	5	1	2		10	3	1	1700	2	0.00	0	05/29/90	05/29/90	C
9001734	05/14/90	265 EAST SHORE ROAD	UNK	GREAT NECK	2	4	0	RAW SEWAGE	9	2	1	1700	3	1000.00	0	05/15/90	05/15/90	C

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9002024	05/17/90	294 GREAT NECK ROAD	JONATHON AUTO AMOCO S/S	GREAT NECK	5	1	1		3	3	6	1700	2	0.00	0	/ /	/ /	A
9002373	05/25/90	765 MIDDLE NECK ROAD	INC VILLAGE OF GREAT NECK	GREAT NECK	1	1	2		11	3	8	1700	2	0.00	0	03/17/93	03/17/93	C
9003013	06/15/90	51 MIDDLE NECK ROAD	EAB BANK	GREAT NECK	2	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9003470	06/26/90	170 MIDDLE NECK ROAD	KENNETH SPIEWAK	GREAT NECK	6	1	1		3	1	4	1700	3	10.00	0	06/27/90	06/27/90	C
9003635	06/29/90	21 WATERMILL LANE	LILCO	GREAT NECK	1	1	11	MINERAL OIL	3	1	1	1700	2	1.00	0	07/02/90	07/02/90	C
9003732	07/03/90	9 BARSTOW ROAD	N.Y. TELEPHONE CO	GREAT NECK	1	1	11		12	1	1	1700	2	10.00	0	07/11/90	07/11/90	C
9004459	07/22/90	236 EAST SHORE ROAD	GREAT NECK WATER POLLUTIO	GREAT NECK	2	1	1		11	1	8	1700	2	0.00	0	07/24/90	07/24/90	C
9004460	07/23/90	54 RENSEN ROAD	COMMANDER FUEL OIL	GREAT NECK	1	1	2		3	1	1	1700	2	1.00	0	07/24/90	07/24/90	C
9005555	08/20/90	1 KENINGSTON GATE	KENINGSTON GATE ASSOC	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9006029	08/31/90	345 LAKEVILLE ROAD	GREAT NECK SCHOOL	GREAT NECK	2	1	4		10	1	8	1700	2	0.00	0	08/31/90	08/31/90	C
9006295	09/07/90	21 BOND STREET	CARTER APTS	GREAT NECK	1	1	2		5	1	5	1700	2	0.00	0	01/10/92	01/10/92	C
9006471	09/12/90	14-16 STONER AVENUE	PARK STONER APTS	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9006852	09/21/90	811 MIDDLE NECK ROAD	LILCO	GREAT NECK	1	1	2		1	1	1	1700	2	0.00	0	09/24/90	09/24/90	C
9006982	09/25/90	15 MAPLE AVENUE	HOLISTIC HEALTH CENTER	GREAT NECK	1	1	2		5	1	5	1700	2	0.00	0	05/30/91	05/30/91	C
9007127	09/28/90	21 CHAPEL PLACE	BLAIR HOUSE	GREAT NECK	2	1	2		5	1	5	1700	2	0.00	0	03/04/92	03/04/92	C
9007150	09/28/90	CUTTER MILL RD & TOWNHOUS	PEARL SCHWARTZ	GREAT NECK	6	1	1		2	1	4	1700	3	20.00	0	10/01/90	10/01/90	C
9007254	10/02/90	150 STEAMBOAT ROAD	COMMANDER OIL	GREAT NECK	8	1	2		3	1	1	1700	2	3.00	0	10/03/90	10/03/90	C
9007802	10/17/90	10 WELWYN ROAD	RICHLAND MGT	GREAT NECK	1	1	4		12	1	8	1700	2	0.00	0	02/22/93	02/22/93	C
9007852	09/26/90	7 GUTHEIL LANE	COMMANDER OIL	GREAT NECK	1	1	1		2	1	1	1700	2	2.00	0	10/31/90	10/31/90	C
9007883	10/18/90	LESSEX ROAD	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	1.00	0	10/22/90	10/22/90	C
9007975	10/19/90	75 NORTH STATION ROAD	BAYBERRY HOTEL	GREAT NECK	1	1	2		5	1	5	1700	2	0.00	0	08/25/92	08/25/92	C
9008512	11/04/90	9 WOOLLEYS ROAD	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	1.00	0	11/14/90	11/14/90	C
9008819	11/11/29	PEMBROOK AVE & IRIS LANE	LILCO	GREAT NECK	1	1	11	TRANSFORMER OIL	11	2	3	1700	2	0.00	0	11/13/90	11/13/90	C
9008824	11/12/90	WALDEN AVENUE	LILCO	GREAT NECK	1	1	8		11	1	2	1700	2	10.00	0	11/13/90	11/13/90	C
9009200	11/21/90	49 WATERMILL LANE	NORTHERN BLVD COLLISION	GREAT NECK	1	3	0	PAINT LACQUER THINNE	7	2	4	1700	2	0.00	0	11/26/90	11/26/90	C
9009485	11/30/90	199 COMMUNITY DRIVE	WEDGEWOOD HAIR CENTER	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	03/05/92	03/05/92	C
9009496	11/30/90	1 MYRTLE DRIVE	COMMANDER OIL	GREAT NECK	8	1	2		10	1	1	1700	2	1.00	0	12/03/90	12/03/90	C
9010047	12/15/90	64 MIDDLE NECK ROAD	COMMANDER OIL	GREAT NECK	1	1	2		3	1	11	1700	2	20.00	0	12/18/90	12/18/90	C
9010249	12/20/90	85 JAYSON AVENUE	PORT WASHINGTON LANDFILL	GREAT NECK	12	5	11		12	5	2	1700	4	0.00	0	12/21/90	12/21/90	C
9010305	12/22/90	280 SHORE ROAD	AMERIPAN	GREAT NECK	1	1	3		1	1	1	1700	2	50.00	0	02/27/91	02/27/91	C
9010528	12/31/90	26 OLD MILL ROAD	GREAT NECK SYMOGOGUE	GREAT NECK	2	1	2		5	3	5	1700	2	0.00	0	03/05/92	03/05/92	C
9010552	01/02/91	341 LAKEVILL ROAD	UNK	GREAT NECK	2	1	4		12	1	2	1700	2	100.00	0	02/14/91	02/14/91	C
9010553	01/02/91	36 VALLEY VIEW ROAD	HERTZ RESIDENCE	GREAT NECK	9	1	2		12	2	9	1700	2	0.00	0	02/14/91	02/14/91	C
9010556	01/02/91	SHORE DRIVE	VILLAGE OF G.N ESTATES	GREAT NECK	2	1	2		3	2	1	1700	2	30.00	0	03/06/91	03/09/01	C
9010816	01/09/91	550 NORTHERN BLVD	UNK	GREAT NECK	12	5	11		12	2	7	1700	4	0.00	0	01/14/91	01/14/91	C
9011794	02/10/91	CUMBERLAND AVENUE	CUMBERLAND SCHOOL	GREAT NECK	2	1	3		3	1	1	1700	2	2.00	0	02/11/91	02/11/91	C
9011824	02/04/91	120 CUTTER MILL ROAD	GETTY OIL CO	GREAT NECK	5	1	1		11	3	6	1700	2	0.00	0	/ /	/ /	A
9012352	03/01/91	PICADILLY RD & BIKSHIRE	UNK VEHICLE	GREAT NECK	6	1	1	MOTOR OIL	11	4	11	1700	3	0.00	0	03/05/91	03/05/91	C
9012565	03/07/91	STEAM BOAT RD	LILCO	GREAT NECK	1	1	8		2	2	1	1700	2	5.00	0	04/03/91	04/03/91	C
9012865	03/17/91	50 SO MIDDLE NECK ROAD	APT BLDG	GREAT NECK	1	2	0	BLACK SMOKE & SOOT	12	5	7	1700	4	0.00	0	03/18/91	03/18/91	C
9013046	03/22/91	14 BEACHROAD	ALL AMERICAN OIL CO	GREAT NECK	2	1	2		1	1	2	1700	2	5.00	0	02/07/92	02/07/92	C
9013233	03/28/91	280 EAST SHORE ROAD	AMEROPAN OIL	GREAT NECK	3	1	3		3	1	1	1700	2	200.00	0	05/06/91	05/06/91	C
9100108	04/02/91	106 STEAMBOAT ROAD	FRIENDLY TAXI	GREAT NECK	1	1	7	CONCRETE FLOOR CLEAN	7	2	7	1700	2	0.00	0	04/04/91	04/04/91	C
9100527	04/12/91	591 MIDDLE NECK ROAD	UNK	GREAT NECK	9	1	2		1	3	4	1700	3	200.00	0	09/13/91	09/13/91	C
9100849	04/22/91	251 EAST SHORE ROAD	GREGORY LUMBER & HARDWARE	GREAT NECK	1	1	1		1	1	4	1700	2	40.00	0	04/23/91	04/23/91	C
9101102	04/26/91	30 BARSTOW ROAD	FOCUS REAL EST	GREAT NECK	2	1	2		5	3	5	1700	2	0.00	0	11/04/92	11/04/92	C
9101295	05/01/91	100 COMMUNITY DRIVE	PANEL REALTY	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	09/13/91	09/13/91	C

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																
9101295	05/31/91	100 COMMUNITY DRIVE	PAMEL REALTY	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	09/13/91	09/13/91	C		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Bureau of Spill Prevention and Response
Suffolk/Nassau Counties -- REGION 10 -- THRU 3/93
Spill Number Order

SPILL NUMBER	SPILL DATE	SPILL LOCATION	SPILL NAME	MUNICIPALITY	SPILL SOURCE	WATER CLASS	PETRO SPILL	MATERIAL SPILLED	SPILL CAUSE	RES. AFFECT	NOTIFIER	DRAIN BAS	CLEANER	QUANTITY SPILLED	PIN NO.	CLEAN DATE	CLOSE DATE	STATUS
9101597	05/29/91	385 GREAT NECK ROAD	GREAT NECK IMPORT	GREAT NECK	1	1	11		11	3	11	1700	3	0.00	0	12/20/91	12/20/91	C
9101645	04/25/91	11 HILLTOP DRIVE	UNK	GREAT NECK	9	1	11		11	3	2	1700	4	0.00	0	05/21/91	05/21/91	C
9101697	05/10/91	SHORE DR & CEDAR DRIVE	GREAT NECK ESTATES DPW	GREAT NECK	2	1	2		11	1	11	1700	2	0.00	0	/ /	/ /	A
9101913	05/16/91	300 EAST SHORE ROAD	DONNO CORP	GREAT NECK	1	1	5		5	1	5	1700	2	0.00	0	06/03/91	06/03/91	C
9101928	05/16/91	UNION TPKE & LAKEVILLE	UNISYS CORP	GREAT NECK	1	1	2		11	3	8	1700	2	0.00	0	06/11/91	06/11/91	C
9102889	06/11/91	655 NORTHERN BLVD	OK PETROLEUM S/S	GREAT NECK	5	1	1		11	1	6	1700	2	0.00	0	06/19/91	06/19/91	C
9102992	06/14/91	60 CUTTERVILLE ROAD	MAJESTIC PROPERTY MGT	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	07/10/91	07/10/91	C
9103046	06/17/91	8 WOOLEY LANE	HADLEY ARMS APARTMENT	GREAT NECK	1	1	3	OR #6 OIL?	11	1	8	1700	2	0.00	91120	06/18/91	12/24/91	C
9103246	06/20/91	10 BEVERLY RD.	POHN RESIDENCE	GREAT NECK	9	1	2		3	1	1	1700	2	0.00	0	/ /	/ /	A
9103375	06/20/91	655 NORTHERN BLVD	OK PETROLEUM	GREAT NECK	1	1	1		3	1	6	1700	3	0.00	0	06/28/91	06/28/91	C
9104286	07/22/91	265 E SHORE ROAD	VILLAGE OF GREAT NECK	GREAT NECK	1	2	0	SODIUM HYPOCHLORITE	5	3	5	1700	2	0.00	0	04/20/92	04/20/92	C
9104493	07/25/91	494 GREAT NECK ROAD	MULTI STATE	GREAT NECK	2	1	7		6	1	8	1700	2	0.00	0	10/29/91	10/29/91	C
9104541	07/27/91	77 POLO ROAD	GREAT NECK P.S DISTRICT	GREAT NECK	2	1	2		3	1	1	1700	2	75.00	0	01/24/92	01/24/92	C
9105649	08/24/91	NORTHERN BLVD & LAKEVILLE	AMOCO	GREAT NECK	8	1	1		3	1	1	1700	2	10.00	0	/ /	/ /	A
9105696	08/19/91	15 HICKS LANE	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	1.00	0	08/27/91	08/27/91	C
9105837	08/29/91	236 EAST SHORE ROAD	GREAT NECK WPCO	GREAT NECK	2	1	7		11	3	8	1700	2	0.00	0	09/09/91	09/09/91	C
9106853	09/24/91	155 MIDDLE NECK ROAD	MARY A MCCLEAN	GREAT NECK	6	1	1		9	1	4	1700	3	7.00	0	09/30/91	09/30/91	C
9107087	09/26/91	99 STEAMBOAT ROAD	RAY PLAKSTIS	GREAT NECK	5	1	1		11	1	6	1700	2	0.00	0	04/21/92	04/21/92	C
9107245	10/07/91	280 EAST SHORE ROAD	AMEROPAN OIL CO TERMINAL	GREAT NECK	3	1	3		1	1	1	1700	2	40.00	0	10/28/91	10/28/91	C
9107310	10/08/91	45 NORTH DRIVE	PETRO FUEL OIL	GREAT NECK	6	1	2		10	1	1	1700	2	0.00	0	/ /	/ /	A
9107476	10/11/91	22 OXFORD BLVD	MARTIN MANIN RESIDENCE	GREAT NECK	9	1	2		3	1	11	1700	3	1.00	0	10/15/91	10/15/91	C
9108212	10/30/91	5 OLD MILL ROAD	TEMPLE BETHEL	GREAT NECK	2	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9108860	11/19/91	287 NORTHERN BLVD	BLVD MGT TRUST OFFICE BLD	GREAT NECK	1	1	2		12	3	5	1700	2	0.00	0	/ /	/ /	A
9109426	12/04/91	295 NORTHERN BLVD	MGMT FIRM	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9109876	12/13/91	MIDDLE NECK RD & GUTHILL	UNK	GREAT NECK	12	5	11	GREEN LIQUID	12	1	9	1700	3	0.00	0	12/17/91	12/17/91	C
9110610	01/10/92	31 NORTHERN BLVD	UNK CUSTOMER	GREAT NECK	5	1	1		7	2	9	1700	3	110.00	0	02/25/92	02/25/92	C
9110688	11/13/91	LAKEVILLE ROAD	VILLAGE OF LAKE SUCCESS	GREAT NECK	1	1	2		11	3	8	1700	2	0.00	0	01/21/92	01/21/92	C
9111174	01/29/92	58 GRACE AVENUE	SCHALIT MGT CORP	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	06/04/92	06/04/92	C
9111317	02/03/92	300 GREAT NECK ROAD	EUROPEAN AUTO	GREAT NECK	1	1	1		12	1	11	1700	2	0.00	0	09/17/92	09/17/92	C
9111394	02/04/92	215 MIDDLENECK ROAD	TESCANY COUNT APTS	GREAT NECK	2	1	3		5	3	5	1700	2	0.00	0	04/16/92	04/16/92	C
9111513	02/07/92	56 SOMERSET DRIVE	UNK	GREAT NECK	12	1	1		12	2	7	1700	4	0.00	92048	/ /	/ /	A
9111690	02/07/92	54 BEACH ROAD	SCHWARTZMAN RESIDENCE	GREAT NECK	9	1	2		3	1	11	1700	2	2.00	0	02/14/92	02/14/92	C
9111748	02/14/92	28 ALLENWOOD DRIVE	LESSMAN RESIDENCE	GREAT NECK	9	1	2		3	1	11	1700	2	0.00	0	04/01/92	04/01/92	C
9112217	02/28/92	208 MIDDLE NECK ROAD	SHELL OIL CO	GREAT NECK	5	1	2		5	3	5	1700	2	0.00	0	09/16/92	09/16/92	C
9112615	03/10/92	41 WATERMILL LANE	USPO RENTING PROPERTY	GREAT NECK	1	1	1	DIESEL	11	3	7	1700	4	0.00	0	01/20/93	01/20/93	C
9113129	03/27/92	EAMBARRY COURT	LILCO	GREAT NECK	9	1	6		3	1	1	1700	2	1.00	0	03/30/92	03/30/92	C
9200292	04/08/92	NORTHERN BLVD & SUSQUAHAN	UNK	GREAT NECK	12	1	1		12	3	9	1700	2	0.00	0	04/21/93	04/21/93	C
9200700	04/18/92	CUMBERLAND AVENUE	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	15.00	0	07/07/92	07/07/92	C
9202430	05/29/92	15 CANTERBURY	JUST MANAGEMENT	GREAT NECK	1	1	2		11	1	8	1700	2	0.00	0	08/10/92	08/10/92	C
9202460	05/31/92	35 POLLO ROAD.	UNK	GREAT NECK	2	1	1	WASTE OIL	4	1	2	1700	3	1.00	0	05/31/92	05/31/92	C
9202818	06/08/92	33 DUXUBURY ROAD	UNK	GREAT NECK	12	1	2		12	1	2	1700	3	0.00	0	08/11/92	08/11/92	C
9202839	06/08/92	GLENWOOD ST & NORTHERN BL	LILCO	GREAT NECK	1	1	8		3	1	1	1700	2	1.00	0	06/09/92	06/09/92	C
9202991	06/11/92	700 MIDDLENECK ROAD	VIL GREAT NECK HOUSING AU	GREAT NECK	2	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9203034	06/12/92	488 GREAT NECK ROAD	UNK	GREAT NECK	1	5	11	PAINT CHIPS,METAL	7	2	7	1700	4	0.00	0	07/27/92	07/27/92	C
9203207	06/16/92	HARTLEY RD,BROMPTON LA	UNK	GREAT NECK	12	3	0	MERCURY	12	1	3	1700	3	1.00	0	/ /	/ /	A
9203302	06/18/92	5 BRAMPTON LANE	UNK	GREAT NECK	12	3	0	MERCURY	12	1	2	1700	1	1.00	0	/ /	/ /	A
9203624	06/26/92	STEAMBOAT ROAD	US MERCHANT MARINE ACADEM	GREAT NECK	2	1	1		5	3	5	1700	2	0.00	0	/ /	/ /	A

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Bureau of Spill Prevention and Response
Suffolk/Nassau Counties -- REGION 10 -- THRU 3/93
Spill Number Order

SPILL NUMBER	SPILL DATE	SPILL LOCATION	SPILL NAME	MUNICIPALITY	SPILL SOURCE	MATER. CLASS	PETRO SPILL	MATERIAL SPILLED	SPILL CAUSE	RES. AFFECT	NOTIFIER	ORAIN BAS	CLEANER	QUANTITY SPILLED	PIN NO.	CLEAN DATE	CLOSE DATE	STATUS
9204086	07/09/92	220 NORHTERN BLVD	MESS S/S	GREAT NECK	5	1	11		10	1	1	1700	2	0.00	0	/ /	/ /	A
9204583	07/21/92	240 E SHORE ROAD	PETRO	GREAT NECK	8	1	2		4	3	1	1700	2	100.00	0	09/24/92	09/24/92	C
9204786	07/26/92	HICKS LA & MIDDLE NECK RD	UNK	GREAT NECK	6	1	7	HYDRAULIC OIL	12	1	4	1700	3	1.00	0	07/28/92	07/28/92	C
9206177	08/27/92	595 NORTHERN BLVD	MOBIL S/S #17-K70	GREAT NECK	5	1	1		12	3	11	1700	2	0.00	0	/ /	/ /	A
9206318	08/31/92	SHORE RD/HICKORY	UNK	GREAT NECK ESTATES	12	1	11		11	4	3	1700	1	0.00	92271	09/02/92	03/31/93	C
9206482	09/03/92	240 EAST SHORE ROAD	SLOMINS FUEL OIL	GREAT NECK	1	1	2		11	1	1	1700	2	0.00	0	10/06/92	10/06/92	C
9207387	09/25/92	261 EAST SHORE ROAD	BODY WORKS UNLIMITED	GREAT NECK	1	1	7	PAINT/PAINT THINNER	6	1	7	1700	4	0.00	0	/ /	/ /	A
9207498	09/28/92	STEAMBOAT ROAD	US MERCHANT MARINE ACADEM	GREAT NECK	1	1	1		5	3	11	1700	2	0.00	0	10/01/92	10/01/92	C
9207684	09/17/92	131 NORTHERN BLVD	GREAT NECK GARAGE	GREAT NECK	1	1	7		6	2	11	1700	2	0.00	0	/ /	/ /	A
9207950	10/09/92	LAKEVILLE ROAD	PARAMAX	GREAT NECK	1	1	4		10	1	1	1700	2	300.00	0	/ /	/ /	A
9208119	09/02/92	GREAT NECK ROAD	ELROD S/S INC	GREAT NECK	5	1	1		12	3	11	1700	2	0.00	92407	/ /	/ /	A
9208392	10/21/92	31 NORTHERN BLVD	EXXON S/S	GREAT NECK	5	1	1		3	3	1	1700	2	1.00	0	10/22/92	10/22/92	C
9208617	10/26/92	76 GREAT NECK PLAZA	LILCO	GREAT NECK	1	1	2		11	1	1	1700	2	2.00	0	11/05/92	11/05/92	C
9208720	10/28/92	MIDDLE NECK ROAD	LILCO	GREAT NECK	1	1	8	CABLE COOLANT OIL	3	1	1	1700	2	5.00	0	10/29/92	10/29/92	C
9208727	10/28/92	193 PICCADILLY ROAD	PRESSEL RESIDENCE	GREAT NECK	9	1	2		9	1	11	1700	2	0.00	0	11/05/92	11/05/92	C
9208786	10/29/92	4616 LAFEYETTE PLACE	GARMEY RESIDENCE	GREAT NECK	9	1	2		3	1	1	1700	2	1.00	0	10/30/92	10/30/92	C
9208931	11/03/92	24 SHADOW LANE	MAURICE BROOKS RESIDENCE	GREAT NECK	9	1	2		9	1	1	1700	2	1.00	0	11/04/92	11/04/92	C
9209131	11/06/92	51 TOBIN AVENUE	JOHNNIDES RESIDENCE	GREAT NECK	9	1	2		3	1	7	1700	2	1.00	0	11/09/92	11/09/92	C
9210020	11/29/92	29 SPLIT ROCK DRIVE	SCHORTZ RESIDENCE	GREAT NECK	9	1	2		3	1	7	1700	2	0.00	0	01/14/93	01/14/93	C
9210098	11/29/92	29 SPLIT ROCK ROAD	COMMANDER OIL	GREAT NECK	9	1	2		3	1	2	1700	2	0.00	0	01/14/93	01/14/93	C
9210541	12/12/92	64 BAYVIEW AVENUE	COLE RESIDENCE	GREAT NECK	9	1	2		3	1	1	1700	2	1.00	0	12/14/92	12/14/92	C
9210736	12/15/92	489 GREAT NECK ROAD	UNK	GREAT NECK	12	1	7		12	1	8	1700	3	10.00	0	/ /	/ /	A
9210777	12/11/92	825 NORTHERN BLVD	DR EUGENE KRAUSS	GREAT NECK	1	1	7		12	1	11	1700	2	0.00	0	01/13/93	01/13/93	I
9210804	12/17/92	605 NORTHERN BLVD	AMOCO S/S	GREAT NECK	5	1	5		5	3	5	1700	2	0.00	0	02/16/93	02/16/93	C
9211332	01/02/93	46 SUMMER AVE	ANNY OLIPHANT	GREAT NECK	9	1	2		3	1	1	1700	2	0.00	0	/ /	/ /	A
9211369	01/04/93	295 EAST SHORE ROAD	AMEROPAN OIL	GREAT NECK	8	1	2		3	1	4	1700	2	5.00	0	01/05/93	01/05/93	C
9211395	01/04/93	ARRANDALE ST/SHORE ROAD	LILCO	GREAT NECK	1	1	9	CABLE OIL	3	1	1	1700	2	0.00	0	01/05/93	01/05/93	C
9213264	03/01/93	113 MIDDLE NECK ROAD	UA THEATERS	GREAT NECK	1	1	2		5	1	5	1700	2	1.00	0	/ /	/ /	A
9213531	03/08/93	113 MIDDLE NECK ROAD	UNITED ARTIST THEATER	GREAT NECK	1	1	2		5	3	5	1700	2	0.00	0	03/16/93	03/16/93	C
9213739	03/14/93	BAYVIEW AVE & AMHERST	LILCO	GREAT NECK	1	1	9		11	1	1	1700	2	1.00	0	03/15/93	03/15/93	C
9213948	03/20/93	EXECUSION ROCK SANDS PT	UNK	GREAT NECK	12	1	11		12	4	10	1700	4	0.00	0	03/22/93	03/22/93	C
9214382	03/30/93	15 FLORENCE ST	UNK	GREAT NECK	12	1	2		12	1	11	1700	4	0.00	0	/ /	/ /	A
9214384	03/30/93	7 ASH PLACE	LIVIAN RESIDENCE	GREAT NECK	9	1	2		3	1	11	1700	2	0.00	0	/ /	/ /	A
9300252	04/05/93	60 GREAT NECK ROAD	BANK OF NEW YORK	GREAT NECK	4	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9300454	04/09/93	COMMUNITY DRIVE	CENTURY PETROLEUM	GREAT NECK	1	1	5		3	1	2	1700	2	25.00	0	/ /	/ /	A
9301393	04/29/93	208 MIDDLE NECK ROAD	SHELL S/S	GREAT NECK	5	1	2		5	3	5	1700	2	0.00	0	/ /	/ /	A
9301860	05/07/93	5 LOCUST STREET	RESIDENCE	GREAT NECK	9	1	2		9	1	2	1700	2	0.00	0	/ /	/ /	A
xxx Total xxx														5219.00				

VILLAGE OF GREAT NECK
(516) 482-0235
61 BAKER HILL ROAD, GREAT NECK, N. Y. 11023
BUILDING / HOUSING / CODE ENFORCEMENT

March 3, 1986

Barretta Research Service Corp.
16 East Old Country Road
Hicksville, New York 11801

Re: 140 Steamboat Road, Great Neck, NY
Section 1, Block 17, Lot 107

Dear Sirs:

Please be advised that a search of our files indicates that Building Permit #1699 was issued on May 26, 1950 for the erection of the above referred to building. Certificate of Occupancy #574 was issued on November 30, 1950.

Building Permit #3651 was issued on December 4, 1963 for alterations for a retail cleaning establishment. Certificate of Occupancy #2594 was issued on April 21, 1965.

Building Permit #4189 was issued on September 8, 1967 for an addition to the premises. Certificate of Occupancy #3004 was issued on November 29, 1967.

The premises is located in a Business "B-2" and Residence "C" District. The present use is by approval of the Board of Appeals Case #435 in 1963.

There are no violations on record against same as of this date.

Very truly yours,

BUILDING DEPARTMENT

Donald J. Gerber
Building Inspector

DJG:acs
Att.

1697

VILLAGE OF GREAT NECK
NASSAU COUNTY, N. Y.

APPLICATION FOR PERMIT

To be made out in duplicate in ink and accompanied by survey, plot plan, showing existing and proposed buildings with area of each and of the whole, drawing to scale and typewritten specifications, all in duplicate.
This form may also be used in applying for permit for construction of vaults under sidewalks and open cellarways, such questions being answered as are appropriate.
Section 57 of the Workmen's Compensation Law requires a Certificate of Insurance approved by the Industrial Commissioner filed with this application.

Application is hereby made to the Village of Great Neck, for the approval of the detailed statement and plans herewith submitted for the construction, removal or demolition of the buildings, additions or alterations, or for the construction, addition to or alteration of the vaults or cellarways, herein described.

Edmund F. Meade (Applicant)

Tel. No. Gt.Neck 2-0361 Address 46 Arrandale Av.Great Neck

Applicant's Interest owner

Dated, May 23, 1950 19 Name and Number of Compensation Policy Royal Indem. RCG 874414

Location Steamboat Road 300' South of Morris Lane Building Zone business

Is building to be fireproof? Semi-fireproof? yes Frame?

Estimated cost $ 13,000 Number of Stories one Height 13 ft.

Live floor loads per story on earth

Number of Occupants per story one

Nature of occupancy of each story office and shop

How are other buildings on lot occupied? none

Present building area none Area of proposed building 2189

Dimensions of lot 140'front,105' side, 94.5 rear, 126.9 side

Total percentage of lot to be occupied 18

Which, if any, buildings will be taken down or removed? none

Are there any buildings within 200 feet of either side of this lot?

If so, what is the average set back? business district

Rear yard depth 10 Side yard depths 0-54.6 Front yard depth 35

Name and address of owner Edmund F. Meade, 46 Arrandale Av.Great Neck

Name and address of architect Geo.O.Barnes, 76 Maple Drive, Great Neck

Name and address of builder Edmund P. Meade, 46 Arrandale Av.Great Neck

STATE OF NEW YORK }
COUNTY OF NASSAU } ss.:

Edmund F Meade being duly sworn says that h e is the owner
(Owner or Agent)

of the property above described. That all statements made in this application are true to the best of his knowledge and belief.

Sworn to before me this day of May 1950

(Notary) Edmund F Meade (Signature of applicant)

Disapproved

Dated,

When this application has been properly signed and stamped it becomes your building permit and must be kept on the job.

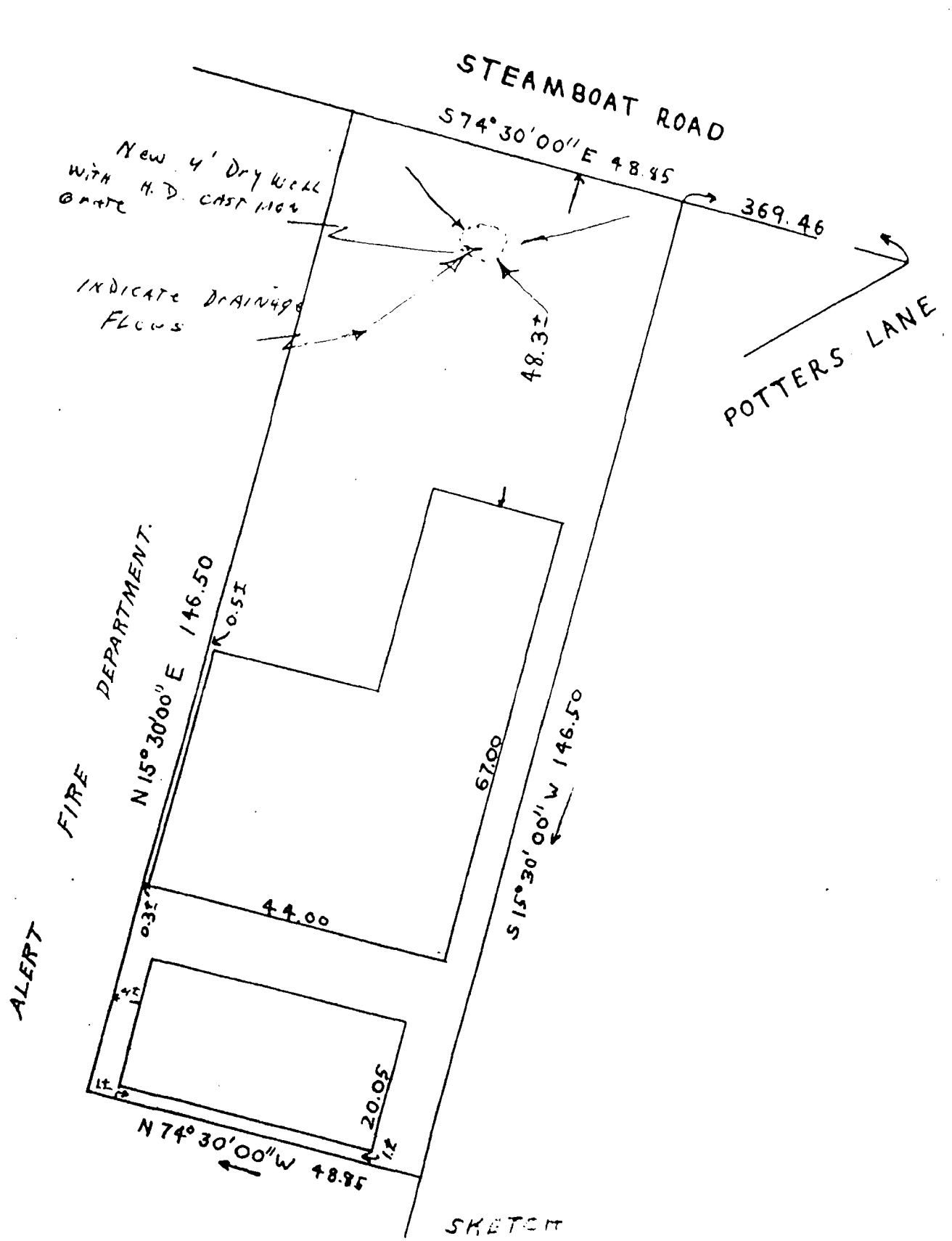
VILLAGE OF GREAT NECK Nº 574
NASSAU COUNTY, N. Y.

CERTIFICATE OF OCCUPANCY

This is to certify that the building located at [illegible] [illegible], for which Building Permit No. 1677 was issued, has been erected, ~~altered~~ in accordance with the plans and specifications heretofore filed and the provisions of the Building Code and Zoning Ordinance.

Dated [illegible] 192[illegible] By Edwin Kline
Inspector

The person to whom this Certificate is issued is required to deliver same to the owner of the building.



SKETCH

MAP of PROPERTY

MADE FOR
JAMES CURRY
SITUATED AT
GREAT NECK, NASSAU COUNTY, N.Y.

[redacted]

PREPARED

Permit No. 3651

2594

VILLAGE OF GREAT NECK
NASSAU COUNTY, N. Y.

APPLICATION FOR BUILDING PERMIT

To be made out in duplicate in ink and accompanied by survey and plot plan, showing existing and proposed buildings with area of each and of the whole, drawing to scale and typewritten specifications, all in duplicate.

This form may also be used in applying for permit for construction of vaults under sidewalks and open cellarways, such questions being answered as are appropriate.

Section 57 of the Workmen's Compensation Law requires a Certificate of Insurance approved by the Industrial Commissioner filed with this application.

Application is hereby made to the Village of Great Neck, for the approval of the detailed statement and plans herewith submitted for the construction, removal or demolition of the buildings, additions or alterations, or for the construction, addition to or alteration of the vaults or cellarways, herein described.

New Building ☐ Alteration ☑ Addition ☐ Accessory Bldg. ☐

Address 140 Steamboat Rd Bldg. Zone B45-B

Sec. #1 Block 17 Lot 107

Name of Insurance Co.: STA

Workmen's Compensation Policy No STATE Insurance Fund Dated 19

Estimated cost $ 1700 — Number of Stories one Height ft.

Description of Work to be Done

Build Boiler room + Chimney
make doorway — Pave front

Nature of occupancy of each story Dry Cleaning + Storage

How are other buildings on lot occupied? Storage

Present building area Area of proposed building

Dimensions of lot Total percentage of lot to be occupied

Which, if any, buildings will be taken down or removed? NONE

Are there any buildings within 200 feet of either side of this lot? Yes

If so, what is the average set back? 30'

Rear yard depth 1 Side yard depths 0 + 4' Front yard depth 48+-

If this is accessory Bldg. — Give distance to nearest residence on any adjoining lot East - Shore Rd

Name and address of owner James M. Curry 140 Steamboat Rd Tel HU-2-0779

Name and address of architect Tel

Name and address of builder Tel

STATE OF NEW YORK
COUNTY OF NASSAU } ss.:

Thomas J Huber being duly sworn says that h is the (Owner or Agent)

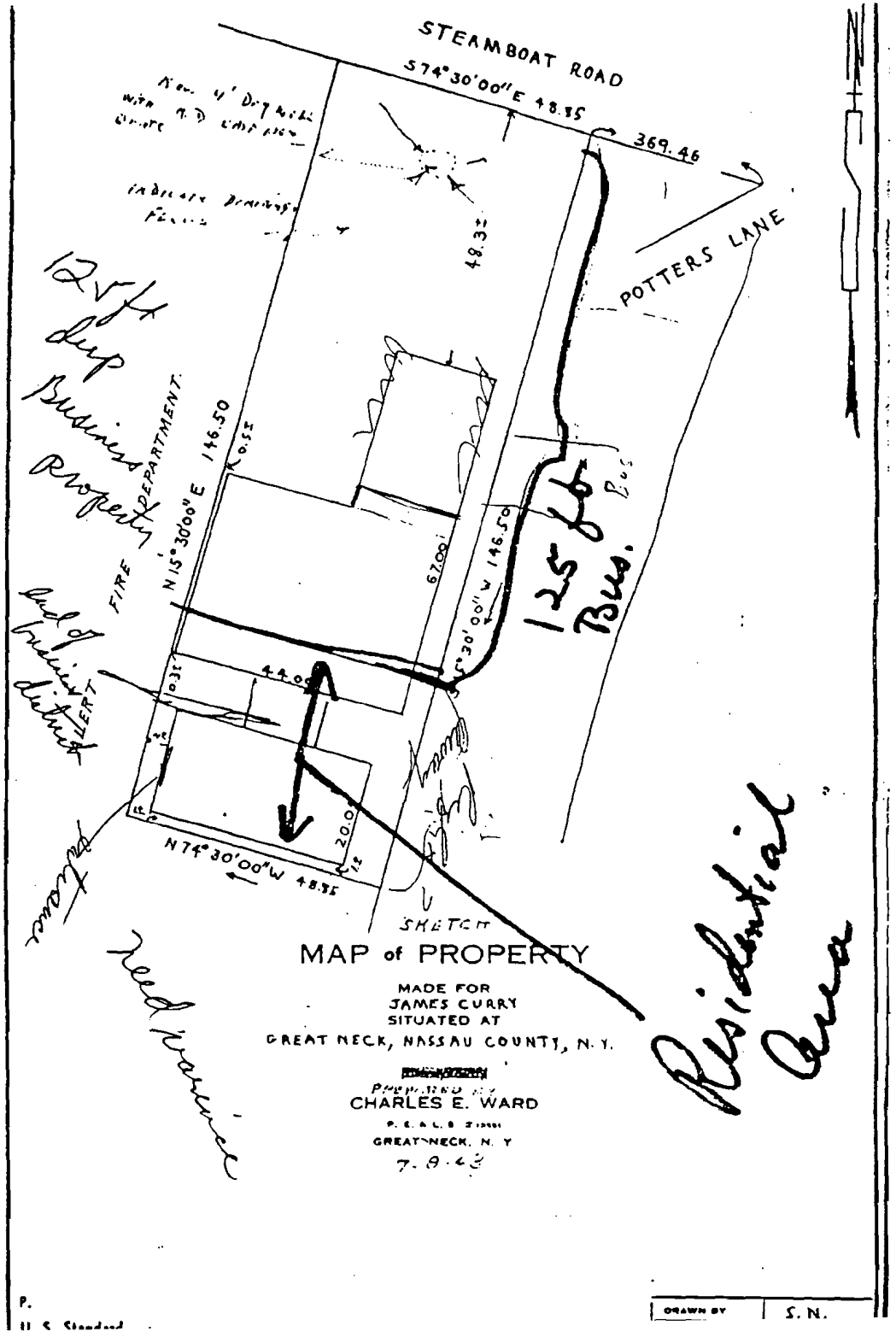
of the property above described. That all statements made in this application are true to the best of h knowledge and belief.

Sworn to before me this 1st day of Dec 19 63

DAVID L. SHAPIRO
NOTARY PUBLIC State of New York
No. 41-3612300, Queens County
Term expires March 30, 1965

(Signature of applicant)

FOR DEPT. USE	FOR DEPT. USE
REASON FOR DISAPPROVAL	
Conditional use	


STEAMBOAT ROAD
S74°30'00"E 48.35
369.46
POTTERS LANE
48.32
FIRE DEPARTMENT
N15°30'00"E 146.50
0.52
67.00'
S15°30'00"W 146.50
10.31'
44.00
20.00
N74°30'00"W 48.35
SKETCH
MAP of PROPERTY
MADE FOR
JAMES CURRY
SITUATED AT
GREAT NECK, NASSAU COUNTY, N.Y.
PREPARED BY
CHARLES E. WARD
GREAT NECK, N.Y.
7-8-43
DRAWN BY
S.N.

Underwriters Certificate

No. ——

VILLAGE OF GREAT NECK
NASSAU COUNTY, N. Y.

Nº 2594

CERTIFICATE OF OCCUPANCY

This is to certify that the construction at 140 STEAMBOAT ROAD

for which Building Permit No. 3651 was issued, has been completed in accordance with the plans and specifications heretofore filed and the provisions of the Building Code and Zoning Ordinance.

Dated 4/21/65 By _____
Inspector

Residential ☐ Commercial ☑ Accessory ☐ New ☐ Alteration ☑ Addition ☐

The person to whom this Certificate is issued is required to deliver same to the owner of the building.

Permit No. 4189

CO 3004

VILLAGE OF GREAT NECK
NASSAU COUNTY, N. Y.

APPLICATION FOR BUILDING PERMIT

To be made out in duplicate in ink and accompanied by survey and plot plan, showing existing and proposed buildings with area of each and of the whole, drawing to scale and typewritten specifications, all in duplicate.

This form may also be used in applying for permit for construction of vaults under sidewalks and open cellarways, such questions being answered as are appropriate.

Section 57 of the Workmen's Compensation Law requires a Certificate of Insurance approved by the Industrial Commissioner filed with this application.

Application is hereby made to the Village of Great Neck, for the approval of the detailed statement and plans herewith submitted for the construction, removal or demolition of the buildings, additions or alterations, or for the construction, addition to or alteration of the vaults or cellarways, herein described.

New Building ☐ Alteration ☐ Addition ☒ Accessory Bldg. ☐

Address 140 Steamboat Road, Great Neck, N. Y. Bldg. Zone

Sec. 1 Block 17 Lot 107

Name of Insurance Co.: Sentry Insurance Co, New Jersey

Workmen's Compensation Policy No.: 31-51865-06 Dated 1 19 67

Estimated cost $ 4500.00 Number of Stories 1 Height 15 ft.

Description of Work to be Done Addition to the existing premises

Nature of occupancy of each story

How are other buildings on lot occupied? Cleaners

Present building area 2170 Area of proposed building 700 sq. ft.

Dimensions of lot 146.50 x 48.85 Total percentage of lot to be occupied 40 %

Which, if any, buildings will be taken down or removed? No

Are there any buildings within 200 feet of either side of this lot? Yes

If so, what is the average set back? Varies

Rear yard depth Side yard depths Front yard depth

If this is accessory Bldg. — Give distance to nearest residence on any adjoining lot New Milford, Conn.

Name and address of owner Barbara Curry, 84-2 Candlewood Lake Rd.

Name and address of architect Sidney Goldstein, Little Neck Tel. BA 4-9565

Name and address of builder Burton M. Saks Const. Corp. Tel. HU 2-4282

STATE OF NEW YORK }
COUNTY OF NASSAU } ss.:

being duly sworn says that h is the (Owner or Agent)

of the property above described. That all statements made in this application are true to the best of h knowledge and belief.

Sworn to before me this 5 day of MAY 19 6

Gerard G. Worthington (Notary) (Signature of applicant)

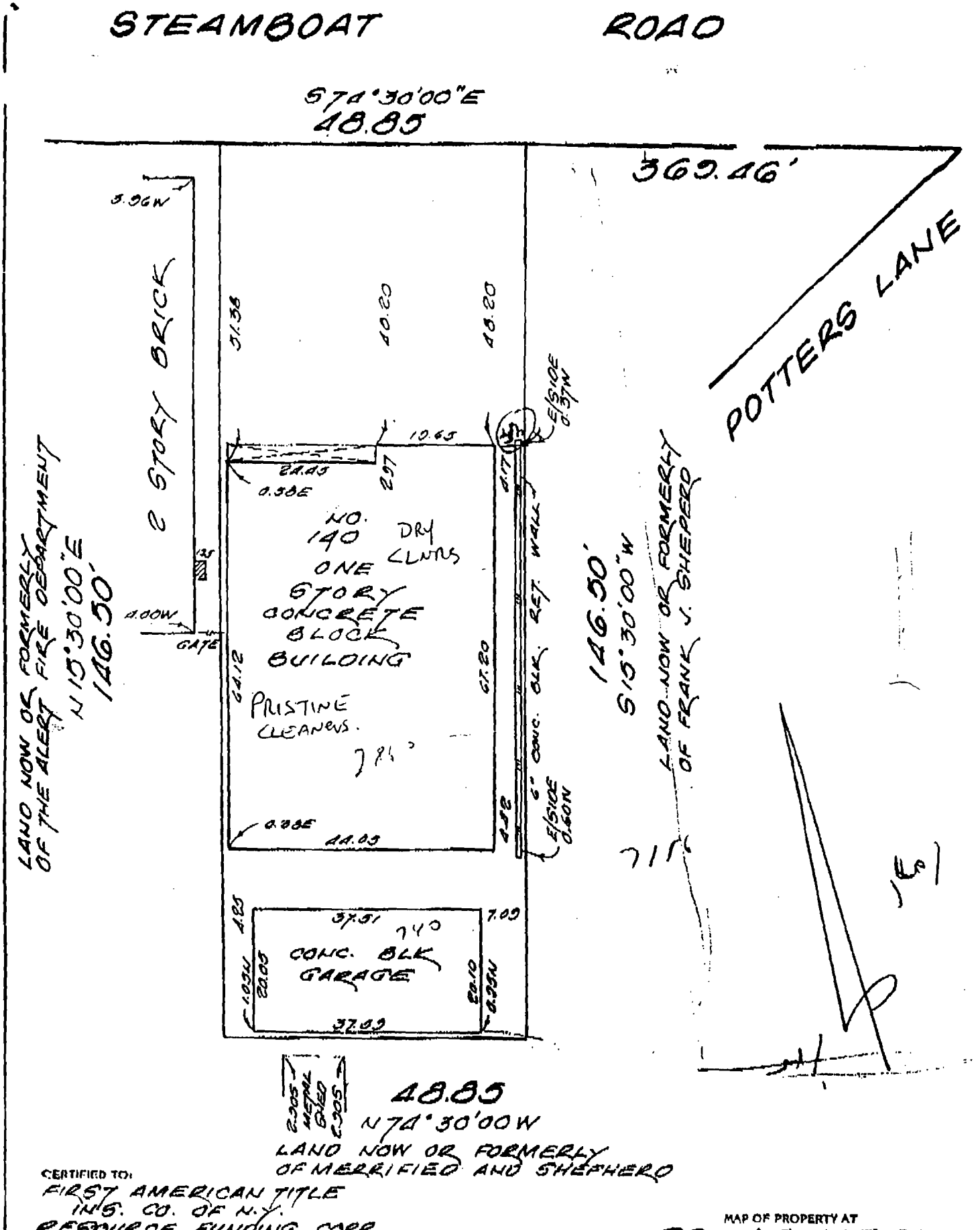
8

FOR DEPT. USE
REASON FOR DISAPPROVAL

B.A. O.K

FOR DEPT. USE

VILLAGE OF GREAT NECK



CERTIFIED TO:
FIRST AMERICAN TITLE
INS. CO. OF N.Y.
RESOURCE FUNDING CORP.

MAP OF PROPERTY AT
GREAT NECK
NASSAU COUNTY, N.Y.
SURVEYED OCT. 2, 1988

APPLICATION FOR PUBLIC ACCESS TO ENVIRONMENTAL HEALTH RECORDS
NASSAU COUNTY DEPARTMENT OF HEALTH
Complete one Application Form for Each Establishment
(See Instructions on Reverse Side)

TO: Records Access Officer
Nassau County Department of Health
240 Old Country Road
Mineola, New York 11501
Fax: 535-3369

Date of Request 9/22/93

I HEREBY APPLY TO INSPECT THE FOLLOWING RECORD:

Name of Establishment: Presently Vacant	Previous Name: PRISTINE CLEANERS
Address (No., Street, Town): 140 STEAMBOAT ROAD, Great Neck, N.Y.	
Still in business? Yes (No) If out of business, enter year put out: 1983 ± (This information is necessary in order to retrieve the file.)	
Print Your Name: DARREL J. KOST P.E.	Signature: Darrel J. Kost
Your Mailing Address: 167 No. Broadway, Lindenhurst 11757	Phone: 516-226-2156 / Fax No: 516 957 0646
Name of Firm You Represent: ALERT Engine, Hook, Ladder & Hose Co.	Name of Your Client: Mr. L. Motchkavitz
Type of Information Needed (e.g. previous food poisoning, oil tanks in ground, chemicals): OIL TANKS, Spills, Violations, permits etc.	

Which of the following Bureaus should be considered for a record search?
(See reverse side for type of information available in each Bureau.)

- ☐ Environmental Sanitation
- ☒ Air Quality Management
- ☒ Public Water Supply
- ☒ Water Pollution Control
- ☒ Land Resources Management
- ☐ All of the above

FOR AGENCY USE ONLY

- ☐ Approved
- ☐ Denied For the Following Reason(s):

Signature	Title	Date

NOTICE: YOU HAVE A RIGHT TO APPEAL A DENIAL OF THIS APPLICATION TO THE COUNTY ATTORNEY'S OFFICE, 1 WEST STREET, MINEOLA, NEW YORK 11501

THE COUNTY ATTORNEY'S OFFICE MUST FULLY EXPLAIN THE REASONS FOR A DENIAL IN WRITING WITHIN SEVEN WORKING DAYS OF AN APPEAL.

☐ I HEREBY APPEAL THE ABOVE DECISION

Signature	Date

HD 274A 4/90

Client

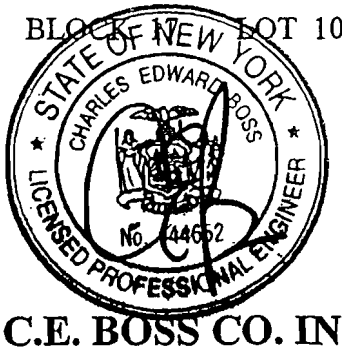
GREAT NECK ALERT FIRE CO.
555 MIDDLE NECK ROAD
GREAT NECK, NY 11023

PHASE II
ENVIRONMENTAL ASSESSMENT

Project

VACANT COMMERCIAL PROPERTY
140 STEAMBOAT ROAD
GREAT NECK, NY 11023

BLOCK 17 LOT 107



C.E. BOSS CO. INC.
3319 MERRITT AVENUE
BRONX, NY 10475
718 994 3200
FAX 994 5406

Date

AUGUST 1998
RPT 0239

INDEX

SUMMARY

During August 1998, as authorized by our client, the firm performed a Phase II Environmental Assessment of the site located at

140 Steamboat Road, Great Neck, NY 11023

The assessment was performed in accordance with Federal and State guidelines outlined in USEPA 40 CFR and NYSDEC STARS Memo #1 Petroleum-Contaminated Soil Guidance Policy.

The purpose of this investigation is to determine the extent of soil contamination, if any, caused by previous users of the site.

In order to evaluate the subsurface soil, four (4) test borings were taken on the site and environmental soil samples were continuously extracted from the surface to the watertable located 20' below grade. Soil samples were then laboratory tested for EPA 8270, Semi-volatile Organic Compounds and EPA 8021 Volatile Organic Compounds including Perchloroethane.

Because of the proximity (500' East) to an active municipal wellfield, test results must conform to the STARS guidelines for Protection of Groundwater. The test results indicate the level of volatile organic compounds including Perchloroethane found in the samples is less than the US EPA and NYS DEC allowable. The test results also indicate the level of semi-volatile organic compounds is less than the allowable for all samples except sample B3 and the contaminant is a probably a fuel oil.

In order to more adequately define the affected area, the firm recommends taking additional borings to fully evaluate the extent and depth of contamination on the site. Once a more definable area is established, a cleanup procedure can be recommended.

INTRODUCTION

The firm was authorized to perform a Subsurface Investigation, Phase II Environmental Assessment at the project site. The purpose of this investigation was to determine the possible extent of soil contamination resulting from the use of previous owners. The investigation was performed in general accordance with the protocol outlined in USEPA 40 CFR and NYSDEC 6 NYCRR Part 370 - 374 and NYS DEC STARS Memo #1, Petroleum-Contaminated Soil Guidance Policy.

The scope of work as reported herein includes the following:

1. Performance of a field exploration and sampling program which consisted of four test borings.
2. Performance of a laboratory testing program on soil recovered from the borings to determine the possible presence of contaminants.
3. Provide an evaluation of the laboratory test data with pertinent conclusions as to the extent of contamination, if any, and recommendations for complying with State and Federal regulations.

SITE DESCRIPTION

The project site, located at

140 Steamboat Road, Great Neck, NY 11023

is 49' wide and approximately 146.5' deep. (See Site/Boring Location Plan). The site is relatively level and completely vacant and unused at this time.

The Phase I report prepared by Kost Environmental Services, Inc. indicates the past occupant of a previously demolished building on the site was a dry cleaning service since the 1950,s. The Phase I report also indicated the presence of an underground fuel oil storage tank on the north side of the property.

SUBSURFACE EXPLORATION AND SAMPLING

Four (4) 3.25 inch exploratory borings (Nos. B1 through B4) were performed at locations shown on the Boring Location/Site Plan Drawing B1 found in the Appendix.

Borings were advanced by rotary drilling utilizing 3 ¼" hollow stem augers driven to the required depth. Soil samples were continuous taken from grade to the watertable approximately 20'-0" below grade and were extracted by means of a split spoon sampler, having a two inch outside diameter. Using a 140 lb. hammer freely falling from a height of 30 inches, the split spoon sampler was driven a depth of 24". Representative portions of the soil samples were preserved in jars and returned to the laboratory.

Prior to environmental sampling, all sample contacting equipment was decontaminated in accordance with USEPA and NYSDEC standard protocol, as well as current ASTM standards. Samples to be transported to the laboratory for analysis were Teflon sealed and refrigerated.

LABORATORY TESTING

A description of the extracted soil samples submitted for laboratory analysis is as follows:

SAMPLE NO.	DEPTH BELOW GRADE (FT)	SAMPLE DESCRIPTION
B1S1	0-2'	Brown/Yellow M/F Sand
B1S2	2-4'	Brown/Yellow M/F Sand
B1S3	4-6'	Brown/Yellow M/F Sand
B1S4	6-8'	Brown Fine Sand Little Gravel
B1S5	9-11'	Brown Fine Sand Little Gravel
B1S6	11-13'	Brown Fine Sand Little Gravel
B1S7	14-16'	Brown Fine Sand Little Gravel
B1S8	16-18'	Brown Fine Sand Little Gravel
B1S9	19-21'	Brown Fine Sand and Gravel
B1S10	21-23'	Brown Fine Sand and Gravel
B2S1	0-2'	Brown/Yellow M/F Sand
B2S2	2-4'	Brown/Yellow M/F Sand
B2S3	4-6'	Brown/Yellow M/F Sand
B2S4	6-8'	Brown Fine Sand Little Gravel
B2S5	9-11'	Brown Fine Sand Little Gravel
B2S6	11-13'	Brown Fine Sand Little Gravel
B2S7	14-16'	Brown Fine Sand and Gravel
B2S8	16-18'	Brown Fine Sand and Gravel
B2S9	19-21	Brown Fine Sand and Gravel
B3S1	0-2'	Brown/Yellow M/F Sand
B3S2	2-4'	Brown/Yellow M/F Sand
B3S3	4-6'	Brown/Yellow M/F Sand
B3S4	6-8'	Brown Fine Sand Little Gravel
B3S5	9-11'	Brown Fine Sand Little Gravel
B3S6	11-13'	Brown Fine Sand Little Gravel
B3S7	14-16'	Brown Fine Sand and Gravel
B3S8	16-18'	Brown Fine Sand and Gravel
B3S9	19-21'	Brown Fine Sand and Gravel
B3S10	21-23'	Brown Fine Sand and Gravel
B3S11	24-26'	Brown Fine Sand and Gravel
B4S1	0-2'	Brown/Yellow M/F Sand
B4S2	2-4'	Brown/Yellow M/F Sand
B4S3	4-6'	Brown/Yellow M/F Sand
B4S4	6-8'	Brown Fine Sand Little Gravel
B4S5	9-11'	Brown Fine Sand Little Gravel
B4S6	11-13'	Brown Fine Sand Little Gravel
B4S7	14-16'	Brown Fine Sand and Gravel
B4S8	16-18'	Brown Fine Sand and Gravel
B4S9	19-21'	Brown Fine Sand and Gravel

LABORATORY TESTING (continued)

Initially all samples were screened for volatile organic compounds using a calibrated Organic Vapor Analyzer (OVA). Composite samples were then made from all samples at each location. To determine the presence of fuel oils for heating, samples were tested for EPA 8270, Semi-Volatile Organic Compounds and to determine the presence of Volatile Organic Compounds such as gasoline and Perchloroethane the composite sample was tested for EPA 8021.

CONCLUSIONS & RECOMMENDATIONS

Initially all samples were screened with a portable organic vapor analyzer (OVA) which would detect organic vapors in the jar head space to 100 ug/l. The screening results indicated no volatile organic vapors were detected in all the samples.

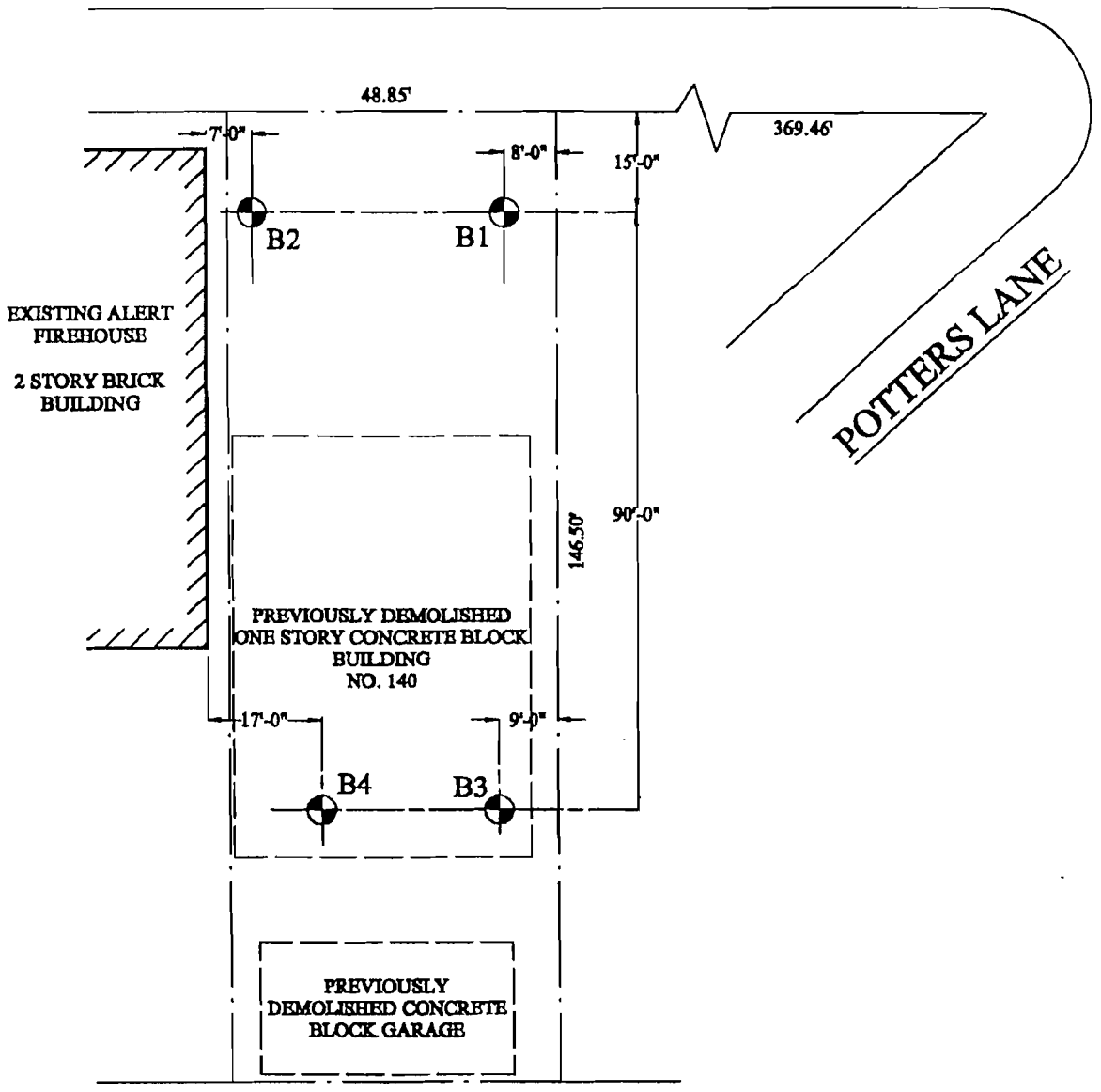
Composite samples were then made for each location and tested for EPA 8021, Volatile Organic Compounds and EPA 8270, Semi-volatile Organic Compounds.

Because of the proximity (500' East) to an active municipal wellfield, test results must conform to the STARS guidelines for Protection of Groundwater. The test results indicate the level of volatile organic compounds including Perchloroethane found in the samples is less than the US EPA and NYS DEC allowable. The test results also indicate the level of semi-volatile organic compounds is less than the allowable for all samples except sample B3 and the contaminant is a probably a fuel oil.

In order to more adequately define the affected area, the firm recommends taking additional borings to fully evaluate the extent and depth of contamination on the site. Once a more definable area is established, a cleanup procedure can be recommended.

APPENDIX

STEAMBOAT ROAD



DENOTES BORING LOCATION

SITE PLAN

C.E. BOSS CO., INC.

INSPECTION • TESTING • ENGINEERS

3319 MERRITT AVENUE • BRONX, NY 10475

(718) 994-5200 • FAX (718) 994-5406

CLIENT: MR. WALTER HANDLEMAN, PE PO BOX 440 GREAT NECK, NY 11021	REVISED:
	DATE: 08/25/98
PROJECT: ALERT FIREHOUSE PARKING AREA 140 STEAMBOAT ROAD GREAT NECK, NY	JOB NO.: 98117
	PAGE: 1 OF 1
SITE PLAN	DRAWING NO. SK-1

C.E. BOSS CO., INC. *INSPECTION • TESTING • ENGINEERS*
3319 MERRITT AVENUE • BRONX, NY 10475 • (718) 994-3200 • FAX (718) 994-5406

Chain of Custody Form

Company Name & Address:	Project/Job #:	Sample's Name	PO#:
PEDNEAULT ASSOC., INC. 1615 9TH AVENUE BOHEMIA, NY 11716	140 Steamboat Rd. Great Neck, NY - 98117	GPC	

Sample #	Sample Location	Date Collected	Sample Type						Analysis Required	Preservatives	Remarks
			Water	Air	Soil	Oil	Waste	Other	See Attached Price Agreement	REFRIG.	
B1 S1	B1	08/03/98			XX					REFRIG.	
B1 S2	B1	08/03/98			XX					REFRIG.	
B1 S3	B1	08/03/98			XX					REFRIG.	
B1 S4	B1	08/03/98			XX					REFRIG.	
B1 S5	B1	08/03/98			XX					REFRIG.	
B1 S6	B1	08/03/98			XX					REFRIG.	
B1 S7	B1	08/03/98			XX					REFRIG.	
B1 S8	B1	08/03/98			XX					REFRIG.	
B1 S9	B1	08/03/98			XX					REFRIG.	
B1 S10	B1	08/03/98			XX					REFRIG.	
B1 S11	B1	08/03/98			XX					REFRIG.	
B2 S1	B2	08/03/98			XX					REFRIG.	
B2 S2	B2	08/03/98			XX					REFRIG.	
B2 S3	B2	08/03/98			XX					REFRIG.	
B2 S4	B2	08/03/98			XX					REFRIG.	
B2 S5	B2	08/03/98			XX					REFRIG.	
B2 S6	B2	08/03/98			XX					REFRIG.	

Relinquished By (signature)	Date/Time	Received By (signature)	Relinquished By (signature)	Date/Time	Received By (signature)
Doug Boss	8/4		Doug Boss		

Additional Comments:

C.E. BOSS CO., INC. INSPECTION • TESTING • ENGINEERS
3319 MERRITT AVENUE • BRONX, NY 10475 • (718) 994-3200 • FAX (718) 994-5406

Chain of Custody Form

Company Name & Address: PEDNEAULT ASSOC., INC. 1615 9TH AVENUE BOHEMIA, NY 11716	Project/Job #: 140 Steamboat Rd. Great Neck, NY - 98117	Sample's Name GPC	PO#:

Sample #	Sample Location	Date Collected	Sample Type: Water	Air	Soil	Oil	Waste	Other	Analysis Required	Preservatives	Remarks
									See Attached Price Agreement	REFRIG.	
B2 S7	B2	08/03/98			XX					REFRIG.	
B2 S8	B2	08/03/98			XX					REFRIG.	
B2 S9	B2	08/03/98			XX					REFRIG.	
B3 S1	B3	08/03/98			XX					REFRIG.	
B3 S2	B3	08/03/98			XX					REFRIG.	
B3 S3	B3	08/03/98			XX					REFRIG.	
B3 S4	B3	08/03/98			XX					REFRIG.	
B3 S5	B3	08/03/98			XX					REFRIG.	
B3 S6	B3	08/03/98			XX					REFRIG.	
B3 S7	B3	08/03/98			XX					REFRIG.	
B3 S8	B3	08/03/98			XX					REFRIG.	
B3 S9	B3	08/03/98			XX					REFRIG.	
B3 S10	B3	08/03/98			XX					REFRIG.	
B3 S11	B3	08/03/98			XX					REFRIG.	
B4 S1	B4	08/03/98			XX					REFRIG.	
B4 S2	B4	08/03/98			XX					REFRIG.	
B4 S3	B4	08/03/98			XX					REFRIG.	

Relinquished By (signature)	Date/Time	Received By (signature)	Relinquished By (signature)	Date/Time	Received By (signature)
[signature]	8/4	[signature]	[signature]		

Additional Comments: 9808C026

CONCRETE • STEEL • SOIL • MASONRY • ENVIRONMENTAL • TEST BORINGS • GEOTECHNICAL • CONSTRUCTION

C.E. BOSS CO., INC. INSPECTION • TESTING • ENGINEERS
3319 MERRITT AVENUE • BRONX, NY 10475 • (718) 994-3200 • FAX (718) 994-5106

Chain of Custody Form

Company Name & Address:	Project/Job #:	Sample's Name	PO#:
PEDNEAULT ASSOC., INC. 1615 9TH AVENUE BOHEMIA, NY 11716	140 Steamboat Rd. Great Neck, NY - 98117	GPC	

Sample #	Sample Location	Date Collected	Sample Type						Analysis Required	Preservatives	Remarks
			Water	Air	Soil	Oil	Waste	Other	See Attached Price Agreement	REFRIG.	
B4 S4	B4	08/03/98			XX					REFRIG.	
B4 S5	B4	08/03/98			XX					REFRIG.	
B4 S6	B4	08/03/98			XX					REFRIG.	
B4 S7	B4	08/03/98			XX					REFRIG.	
B4 S8	B4	08/03/98			XX					REFRIG.	
B4 S9	B4	08/03/98			XX					REFRIG.	
										REFRIG.	
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										REFRIG.	

Relinquished By (signature)	Date/Time	Received By (signature)	Relinquished By (signature)	Date/Time	Received By (signature)
	8/11				

Additional Comments: 781-5226

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (516) 467-8477 Fax: (516) 467-6905

AMERICA'S TEST LAB!

Prepared Exclusively For:
C.E. BOSS CO., INC.
3319 MERRITT AVENUE
BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 98080026 **SAMPLE ID#:** 98080026-001
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B1 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/14/98	8/14/98

TEST: STARS VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8021

PARAMETER	RESULT	UNITS
Benzene	<10	µg/kg
n-Butylbenzene	<10	µg/kg
sec-Butylbenzene	<10	µg/kg
tert-Butylbenzene	<10	µg/kg
Ethylbenzene	<10	µg/kg
Isopropylbenzene	<10	µg/kg
p-Isopropyltoluene	<10	µg/kg
Methyl-tert-butyl ether	<10	µg/kg
Napthalene	<10	µg/kg
n-Propylbenzene	<10	µg/kg
Toluene	<10	µg/kg
1,2,4-Trimethylbenzene	<10	µg/kg
1,3,5-Trimethylbenzene	<10	µg/kg
o-Xylene	<10	µg/kg
m,p-Xylene	<10	µg/kg
Mix Xylenes	<10	µg/kg

John Pedneault
Lab Director

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (516) 467-8477 Fax: (516) 467-6905

AMERICA'S TEST LAB!

Prepared Exclusively For:
C.E. BOSS CO., INC.
3319 MERRITT AVENUE
BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 98080026 **SAMPLE ID#:** 98080026-002
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B2 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/14/98	8/14/98

TEST: STARS VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8021

PARAMETER	RESULT	UNITS
Benzene	<10	µg/kg
n-Butylbenzene	<10	µg/kg
sec-Butylbenzene	<10	µg/kg
tert-Butylbenzene	<10	µg/kg
Ethylbenzene	<10	µg/kg
Isopropylbenzene	<10	µg/kg
p-Isopropyltoluene	<10	µg/kg
Methyl-tert-butyl ether	<10	µg/kg
Napthalene	<10	µg/kg
n-Propylbenzene	<10	µg/kg
Toluene	<10	µg/kg
1,2,4-Trimethylbenzene	<10	µg/kg
1,3,5-Trimethylbenzene	<10	µg/kg
o-Xylene	<10	µg/kg
m,p-Xylene	<10	µg/kg
Mix Xylenes	<10	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (516) 467-8477 Fax: (516) 467-6905

AMERICA'S TEST LAB!

Prepared Exclusively For:
C.E. BOSS CO., INC.
3319 MERRITT AVENUE
BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
LAB#: 98080026 **SAMPLE ID#:** 98080026-003
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B3 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/14/98	8/14/98

TEST: STARS VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8021

PARAMETER	RESULT	UNITS
Benzene	<10	µg/kg
n-Butylbenzene	<10	µg/kg
sec-Butylbenzene	<10	µg/kg
tert-Butylbenzene	<10	µg/kg
Ethylbenzene	<10	µg/kg
Isopropylbenzene	<10	µg/kg
p-Isopropyltoluene	<10	µg/kg
Methyl-tert-butyl ether	<10	µg/kg
Napthalene	<10	µg/kg
n-Propylbenzene	<10	µg/kg
Toluene	<10	µg/kg
1,2,4-Trimethylbenzene	<10	µg/kg
1,3,5-Trimethylbenzene	<10	µg/kg
o-Xylene	<10	µg/kg
m,p-Xylene	<10	µg/kg
Mix Xylenes	<10	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (516) 467-8477 Fax: (516) 467-6905

AMERICA'S TEST LAB!

Prepared Exclusively For:
C.E. BOSS CO., INC.
3319 MERRITT AVENUE
BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
LAB#: 98080026 **SAMPLE ID#:** 98080026-004
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B4 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/14/98	8/14/98

TEST: STARS VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8021

PARAMETER	RESULT	UNITS
Benzene	<10	µg/kg
n-Butylbenzene	<10	µg/kg
sec-Butylbenzene	<10	µg/kg
tert-Butylbenzene	<10	µg/kg
Ethylbenzene	<10	µg/kg
Isopropylbenzene	<10	µg/kg
p-Isopropyltoluene	<10	µg/kg
Methyl-tert-butyl ether	<10	µg/kg
Napthalene	<10	µg/kg
n-Propylbenzene	<10	µg/kg
Toluene	<10	µg/kg
1,2,4-Trimethylbenzene	<10	µg/kg
1,3,5-Trimethylbenzene	<10	µg/kg
o-Xylene	<10	µg/kg
m,p-Xylene	<10	µg/kg
Mix Xylenes	<10	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
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AMERICA'S TEST LAB!

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BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 98080026 **SAMPLE ID#:** 98080026-001
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B1 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/10/98	8/10/98

TEST: STARS SEMI-VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8270

PARAMETER	RESULT	UNITS
Acenaphthene	<33	µg/kg
Anthracene	<33	µg/kg
Benzo(a)anthracene	<33	µg/kg
Benzo(a)pyrene	<33	µg/kg
Benzo(b)fluoranthene	<33	µg/kg
Benzo(g,h,i)perylene	<33	µg/kg
Benzo(k)fluoranthene	<33	µg/kg
Chrysene	<33	µg/kg
Dibenzo(a,h)anthracene	<33	µg/kg
Fluoranthene	<33	µg/kg
Fluorene	<33	µg/kg
Indeno(1,2,3-cd)pyrene	<33	µg/kg
Naphthalene	<33	µg/kg
Phenanthrene	<33	µg/kg
Pyrene	<33	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (516) 467-8477 Fax: (516) 467-6905

AMERICA'S TEST LAB!

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(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716
LAB#: 98080026 **SAMPLE ID#:** 98080026-002
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B2 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/10/98	8/10/98

TEST: STARS SEMI-VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8270

PARAMETER	RESULT	UNITS
Acenaphthene	<33	µg/kg
Anthracene	<33	µg/kg
Benzo(a)anthracene	<33	µg/kg
Benzo(a)pyrene	<33	µg/kg
Benzo(b)fluoranthene	<33	µg/kg
Benzo(g,h,i)perylene	<33	µg/kg
Benzo(k)fluoranthene	<33	µg/kg
Chrysene	<33	µg/kg
Dibenzo(a,h)anthracene	<33	µg/kg
Fluoranthene	<33	µg/kg
Fluorene	<33	µg/kg
Indeno(1,2,3-cd)pyrene	<33	µg/kg
Naphthalene	<33	µg/kg
Phenanthrene	<33	µg/kg
Pyrene	<33	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

PEDNEAULT ASSOCIATES, INC.

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BOHEMIA, N.Y. 11716
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BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 98080026 **SAMPLE ID#:** 98080026-003
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B3 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/10/98	8/10/98

TEST: STARS SEMI-VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8270

PARAMETER	RESULT	UNITS
Acenaphthene	240	µg/kg
Anthracene	1190	µg/kg
Benzo(a)anthracene	2600	µg/kg
Benzo(a)pyrene	2200	µg/kg
Benzo(b)fluoranthene	2500	µg/kg
Benzo(g,h,i)perylene	<33	µg/kg
Benzo(k)fluoranthene	1560	µg/kg
Chrysene	3800	µg/kg
Dibenzo(a,h)anthracene	<33	µg/kg
Fluoranthene	6500	µg/kg
Fluorene	220	µg/kg
Indeno(1,2,3-cd)pyrene	<33	µg/kg
Naphthalene	77	µg/kg
Phenanthrene	1500	µg/kg
Pyrene	6600	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

PEDNEAULT ASSOCIATES, INC.

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PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB#: 98080026 **SAMPLE ID#:** 98080026-004
PROJECT ID : 140 STEAMBOAT RD, GREAT NECK, NY
SAMPLE ORIGIN : B4 COMPOSITE
MATRIX: SOLID

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
8/3/98	8/4/98 3:15:00 PM	8/10/98	8/10/98

TEST: STARS SEMI-VOLATILE ORGANIC COMPOUNDS **METHOD:** EPA 8270

PARAMETER	RESULT	UNITS
Acenaphthene	<33	µg/kg
Anthracene	<33	µg/kg
Benzo(a)anthracene	<33	µg/kg
Benzo(a)pyrene	<33	µg/kg
Benzo(b)fluoranthene	<33	µg/kg
Benzo(g,h,i)perylene	<33	µg/kg
Benzo(k)fluoranthene	<33	µg/kg
Chrysene	<33	µg/kg
Dibenzo(a,h)anthracene	<33	µg/kg
Fluoranthene	<33	µg/kg
Fluorene	<33	µg/kg
Indeno(1,2,3-cd)pyrene	<33	µg/kg
Naphthalene	<33	µg/kg
Phenanthrene	<33	µg/kg
Pyrene	<33	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

Client

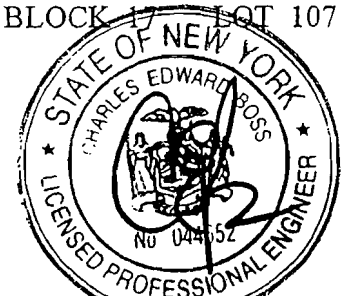
ALERT ENGINE, HOOK, LADDER AND HOSE CO., NO. 1, INC.
555 MIDDLE NECK ROAD
GREAT NECK, N.Y. 11023

PHASE II
ENVIRONMENTAL ASSESSMENT
FINAL REPORT

Project

VACANT COMMERCIAL PROPERTY
140 STEAMBOAT ROAD
GREAT NECK, N.Y. 11023

BLOCK 17 LOT 107



C.E. BOSS CO. INC.
3319 MERRITT AVENUE
BRONX, N.Y. 10475
718 994 3200
FAX 994 5406

Date

OCTOBER 1998
RPT 0239-01

INDEX

SUMMARY

During September 1998, as authorized by our client, the firm performed an additional Phase II Environmental Assessment investigation of the site located at

140 Steamboat Road, Great Neck, N.Y. 11023

The investigation was performed in accordance with Federal and State guidelines outlined in USEPA 40 CFR and NYSDEC STARS Memo #1 Petroleum-Contaminated Soil Guidance Policy.

The purpose of this investigation was to further evaluate possible soil contamination uncovered during a preliminary investigation as noted in our Phase II report dated August 1998.

In order to evaluate the extent of subsurface soil contamination at boring B3, three (3) additional test borings were taken around boring location B3 and environmental soil samples were continuously extracted from the surface to 4' above the watertable located 20' below grade. Soil samples to 10' below grade were laboratory tested for EPA 8260, Perchloroethene/Tetracloroethene.

Preliminary report test data indicated the possible presence of semi-volatile organic compounds detected at boring location B3. In an effort to further evaluate this location and determine the extent of possible contamination, an area contaminated with Perchloroethane (Tetrachloroethene) was uncovered. No semi-volatile organic compounds (fuel oil) contamination was observed.

Because of the proximity (500' East) to an active municipal wellfield, test results must conform to USEPA 40 CFR and NYS DEC maximum allowable values for hazardous wastes. Test data for Boring B5 at 2'-0" depth indicates the maximum quantity of Percloroethene to be 280,000 ug/kg which is far greater than the allowable of 700 ug/kg. Based on the test data for Borings B5, B6 and B7, it is estimated that approximately 700 cf (40 tons) of soil is contaminated.

SUMMARY CONTINUED

The following remedial procedure is recommended:

1. Remove the contaminated soil in accordance with NYS DEC Cleanup Policy and Guidelines using portable organic vapor analyzer (OVA) equipment to define the boundaries of contaminated soil.

2. Backfill excavation with clean granular soil compacted to 95% of maximum density established as per ASTM D1557.

3. Install 4" diameter groundwater monitoring well in accordance with NYS DEC standard specifications.

4. Periodically sample well and test for Tetracloroethene.

A rough cost estimate for items 1. and 2. above obtained from Solids Management Corp., Mr. John Nevins, (516) 979-5200. is $15,000.00. Item 3. and 4. (3 samples) above can be provided by the firm for approximately $3500.00.

INTRODUCTION

The firm was authorized to perform an additional Subsurface Investigation, Phase II Environmental Assessment at the project site. The purpose of this investigation was to determine the possible extent of soil contamination at Boring location B3. Test results from our preliminary investigation indicated elevated levels of semi-volatile organic compounds were noted at this location. The investigation was performed in general accordance with the protocol outlined in USEPA 40 CFR and NYSDEC 6 NYCRR Part 370 - 374 and NYS DEC STARS Memo #1, Petroleum-Contaminated Soil Guidance Policy.

The scope of work as reported herein includes the following:

1. Performance of a field exploration and sampling program which consisted of an additional three test borings drilled around boring location B3.
2. Field examination of recovered samples and selection of samples for laboratory testing.
3. Performance of a laboratory testing program on soil recovered from the borings to determine the extent of contaminants.
4. Provide an evaluation of the laboratory test data with pertinent conclusions as to the extent of contamination, and recommendations for complying with State and Federal regulations.

SITE DESCRIPTION

The project site, located at

140 Steamboat Road, Great Neck, N.Y. 11023

is 49' wide and approximately 146.5' deep. (See Site/Boring Location Plan). The site is relatively level and completely vacant and unused at this time.

The Phase I report prepared by Kost Environmental Services, Inc. indicates the past occupant of a previously demolished building on the site was a dry cleaning service since the 1950,s. The Phase I report also indicated the presence of an underground fuel oil storage tank on the north side of the property.

SUBSURFACE EXPLORATION AND SAMPLING

Three (3) 3.25 inch exploratory borings (Nos. B5 through B7) were performed at locations shown on the Boring Location/Site Plan Drawing B1 found in the Appendix.

Borings were advanced by rotary drilling utilizing 3 ¼" hollow stem augers driven to the required depth. Soil samples were continuous taken from grade to 4' above the watertable located approximately 20'- 0" below grade and were extracted by means of a split spoon sampler, having a two inch outside diameter. Using a 140 lb hammer freely falling from a height of 30 inches, the split spoon sampler was driven a depth of 24". Representative portions of the soil samples were preserved in jars and returned to the laboratory.

Prior to environmental sampling, all sample contacting equipment was decontaminated in accordance with USEPA and NYSDEC standard protocol, as well as current ASTM standards. Samples to be transported to the laboratory for analysis were Teflon sealed and refrigerated.

All samples were visually inspected and the jar head space was scented to determine samples obviously contaminated. These samples were selected for laboratory testing.

LABORATORY TESTING

A description of the extracted soil samples submitted for laboratory analysis is as follows:

Sample No.	Depth Below Grade - (ft)	Sample Description
B5S1	0- 2'	Bwn M/F Sand
B5S2	2- 4'	Bwn M/F Sand
B5S3	4- 6'	Bwn M/F Sand
B5S4	6 - 8'	Bwn Fine Sand Little Gravel
B5S5	8 -10'	Bwn Fine Sand Little Gravel
B6S1	0- 2'	Bwn M/F Sand
B6S2	2- 4'	Bwn M/F Sand
B6S3	4 - 6'	Bwn Fine Sand
B6S4	6 - 8'	Bwn Fine Sand Little Gravel
B6S5	8 - 10'	Bwn Fine Sand Little Gravel
B7S1	0 - 2'	Bwn M/F Sand
B7S2	2 - 4'	Bwn M/F Sand
B7S3	4 - 6'	Bwn Fine Sand
B7S4	6 - 8'	Bwn Fine Sand
B7S5	8 - 10'	Bwn Fine Sand Trace Gravel

Field screening of samples indicated the presence of Perchloroethane but not semi-volatile organic compounds. Selected samples were tested for EPA 8260, Tetrachloroethane equivalent to Perchloroethane. Test data is found in the Appendix.

CONCLUSIONS AND RECOMMENDATIONS

Preliminary report test data indicated the possible presence of semi-volatile organic compounds detected at boring location B3. In an effort to further evaluate this location and determine the extent of possible contamination, an area contaminated with Perchloroethane (Tetrachloroethene) was uncovered. No semi-volatile organic compounds (fuel oil) contamination was observed.

Because of the proximity (500' East) to an active municipal wellfield, test results must conform to USEPA 40 CFR and NYS DEC maximum allowable values for hazardous wastes. Test data for Boring B5 at 2'-0" depth indicates the maximum quantity of Percloroethene to be 280,000 ug/kg which is far greater than the allowable of 700 ug/kg. Based on the test data for Borings B5, B6 and B7, it is estimated that approximately 700 cf (40 tons) of soil is contaminated.

The following remedial procedure is recommended:

1. Remove the contaminated soil in accordance with NYS DEC Cleanup Policy and Guidelines using portable organic vapor analyzer (OVA) equipment to define the boundaries of contaminated soil.

2. Backfill excavation with clean granular soil compacted to 95% of maximum density established as per ASTM D1557.

3. Install 4" diameter groundwater monitoring well in accordance with NYS DEC standard specifications.

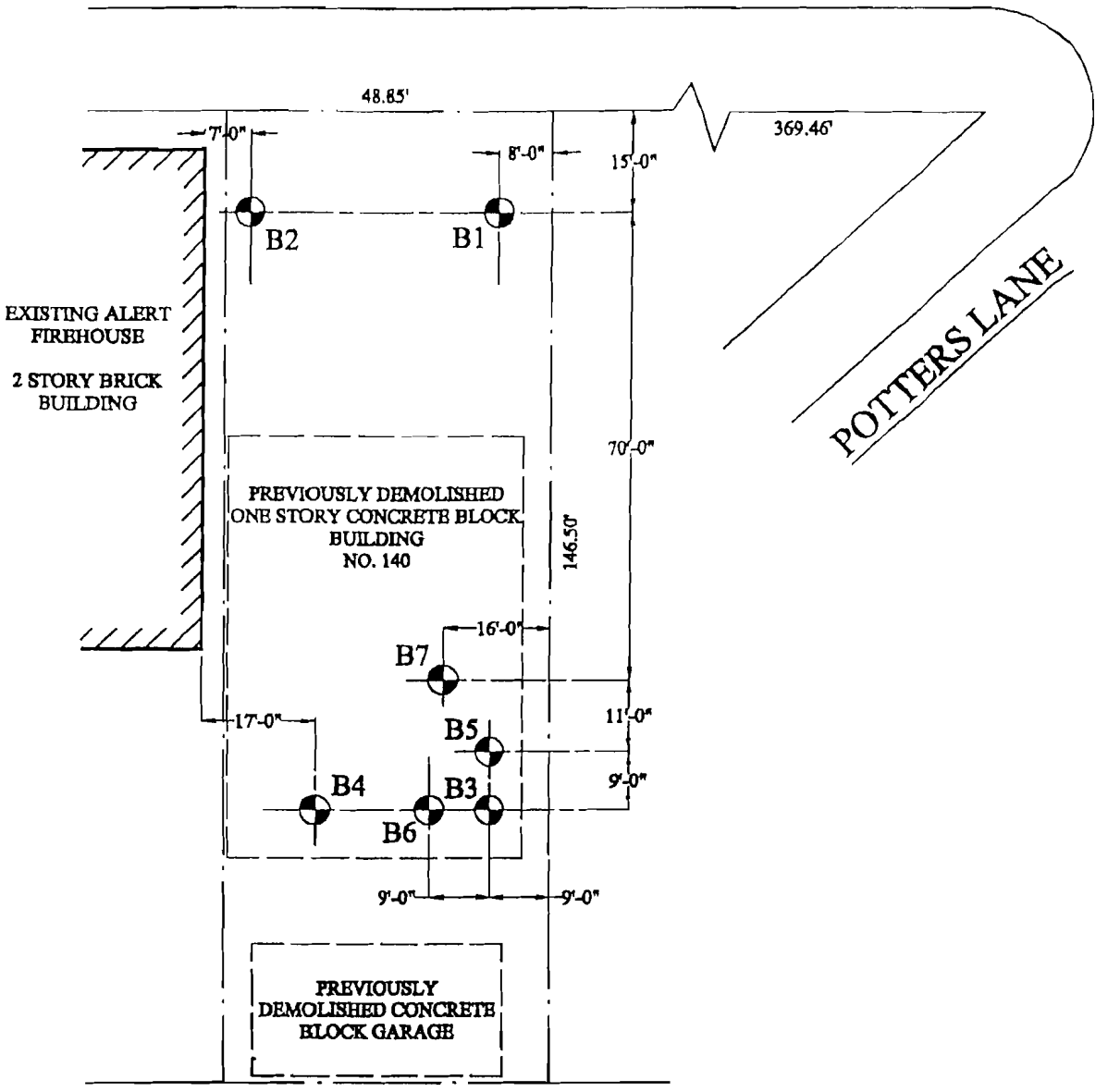
4. Periodically sample well and test for Tetracloroethene.

A rough cost estimate for items 1. and 2. above obtained from Solids Management Corp., Mr. John Nevins, (516) 979-5200. is $15,000.00. Item 3. and 4. (3 samples) above can be provided by the firm for approximately $3500.00.

Approx $19,000.00

APPENDIX

STEAMBOAT ROAD



DENOTES BORING LOCATION

SITE PLAN

C.E. BOSS CO., INC.

INSPECTION • TESTING • ENGINEERS

3319 MERRITT AVENUE • BRONX, NY 10475

(718) 994-3200 • FAX (718) 994-5406

CLIENT: MR. WALTER HANDLEMAN, PE PO BOX 440 GREAT NECK, NY 11021	REVISED: 09/24/98 DATE: 08/25/98
PROJECT: ALERT FIREHOUSE PARKING AREA 140 STEAMBOAT ROAD GREAT NECK, NY	JOB NO.: 98117 PAGE: 1 OF 1
SITE PLAN	DRAWING NO. SK-1

C.E. BOSS CO., INC. *INSPECTION • TESTING • ENGINEERS*
3319 MERRITT AVENUE • BRONX, NY 10475 • (718) 994-3200 • FAX (718) 994-5406

Chain of Custody Form

Company Name & Address: PEDNEAULT ASSOC., INC. 1615 9TH AVENUE BOHEMIA, NY 11716	Project/Job #: Alert Firehouse Great Neck, NY / 98117	Sample's Name CJB	PO#:

Sample #	Sample Location	Date Collected	Sample Type						Analysis Required	Preservatives	Remarks
			Water	Air	Soil	Oil	Waste	Other			
B5-S1	B5	09/23/98			XX				PERC.	REFRIG.	
B5-S2	B5	09/23/98			XX				PERC.	REFRIG.	
B5-S3	B5	09/23/98			XX				PERC.	REFRIG.	
B5-S4	B5	09/23/98			XX				PERC.	REFRIG.	
B5-S5	B5	09/23/98			XX				PERC.	REFRIG.	
B6-S1	B6	09/23/98			XX				PERC.	REFRIG.	
B6-S2	B6	09/23/98			XX				PERC.	REFRIG.	
B6-S3	B6	09/23/98			XX				PERC.	REFRIG.	
B6-S4	B6	09/23/98			XX				PERC.	REFRIG.	
B6-S5	B6	09/23/98			XX				PERC.	REFRIG.	
B7-S1	B7	09/23/98			XX				PERC.	REFRIG.	
B7-S2	B7	09/23/98			XX				PERC.	REFRIG.	
B7-S3	B7	09/23/98			XX				PERC.	REFRIG.	
B7-S4	B7	09/23/98			XX				PERC.	REFRIG.	
B7-S5	B7	09/23/98			XX				PERC.	REFRIG.	

Relinquished By (signature)	Date/Time	Received By (signature)	Relinquished By (signature)	Date/Time	Received By (signature)

Additional Comments:

PEDNEAULT ASSOCIATES, INC.

1615 NINTH AVENUE, BOX 205
BOHEMIA, N.Y. 11716
Phone: (516) 467-8477 Fax: (516) 467-6905

AMERICA'S TEST LAB!

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3319 MERRITT AVENUE
BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 98090381

PROJECT ID : ALERT FIREHOUSE, GREAT NECK

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/98	9/25/98	9/29/98	9/29/98

SAMPLE ID#: 98090381-001 MATRIX: SOLID		SAMPLE ORIGIN: B5-S1	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	280000	µg/kg
SAMPLE ID#: 98090381-002 MATRIX: SOLID	**SAMPLE ORIGIN: B5-S2**		
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	30700	µg/kg
SAMPLE ID#: 98090381-003 MATRIX: SOLID	**SAMPLE ORIGIN: B5-S3**		
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	8500	µg/kg
SAMPLE ID#: 98090381-004 MATRIX: SOLID	**SAMPLE ORIGIN: B5-S4**		
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	3900	µg/kg
SAMPLE ID#: 98090381-005 MATRIX: SOLID	**SAMPLE ORIGIN: B5-S5**		
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	2000	µg/kg
SAMPLE ID#: 98090381-006 MATRIX: SOLID	**SAMPLE ORIGIN: B6-S1**		
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	2650	µg/kg
SAMPLE ID#: 98090381-007 MATRIX: SOLID	**SAMPLE ORIGIN: B6-S2**		
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	1600	µg/kg
SAMPLE ID#: 98090381-008 MATRIX: SOLID	**SAMPLE ORIGIN: B6-S3**		
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	900	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

Prepared Exclusively For:

C.E. BOSS CO., INC.
3319 MERRITT AVENUE
BRONX , NY 10475-0000
(718)994-3200

PEDNEAULT ASSOCIATES, INC.
1615 NINTH AVENUE, BOX 205, BOHEMIA, N.Y. 11716

LAB NUMBER: 98090381

PROJECT ID : ALERT FIREHOUSE, GREAT NECK

COLLECT DATE	DATE RECEIVED	RELEASE DATE	REPORT DATE
9/23/98	9/25/98	9/29/98	9/29/98

SAMPLE ID#: 98090381-009 MATRIX: SOLID		SAMPLE ORIGIN: B6-S4	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	250	µg/kg
SAMPLE ID#: 98090381-010 MATRIX: SOLID		**SAMPLE ORIGIN: B6-S5**	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	145	µg/kg
SAMPLE ID#: 98090381-011 MATRIX: SOLID		**SAMPLE ORIGIN: B7-S1**	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	700	µg/kg
SAMPLE ID#: 98090381-012 MATRIX: SOLID		**SAMPLE ORIGIN: B7-S2**	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	950	µg/kg
SAMPLE ID#: 98090381-013 MATRIX: SOLID		**SAMPLE ORIGIN: B7-S3**	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	700	µg/kg
SAMPLE ID#: 98090381-014 MATRIX: SOLID		**SAMPLE ORIGIN: B7-S4**	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	210	µg/kg
SAMPLE ID#: 98090381-015 MATRIX: SOLID		**SAMPLE ORIGIN: B7-S5**	
PARAMETER	**METHOD**	**RESULT**	**UNITS**
Tetrachloroethene	EPA 8260	<10	µg/kg

John Pedneault
Lab Director

NYS ELAP #10224

THOMAS S. GULOTTA
COUNTY EXECUTIVE

JOHN R. SPECHT
FIRE MARSHAL

NASSAU COUNTY FIRE COMMISSION
OFFICE OF FIRE MARSHAL
899 JERUSALEM AVENUE
P.O. BOX 128
UNIONDALE, NEW YORK 11553
516-566-5200

APPLICATION FOR PUBLIC ACCESS TO RECORDS

TO: Records Access Officer **DATE:** 7/3/02

I hereby apply to inspect the following record: (Exact address including Number & Street)

Alert Fire Company
140 Steamboat Road, Great Neck, NY

Reason for inspection: (Be specific)

NYSDEC request; site is being investigated under the Voluntary Cleanup Program

Dawn M. Ruffini
Name (Please Print)

Dawn M. Ruffini
Signature

Tyree Bros. Environmental Services, Inc.
Representing (Business Name)

Mailing Address: 208 Route 109 Farmingdale, NY 11735

Phone No.: (631) 249-3150, x240

Pending Litigation YES ☐ NO ☒

Alert Engine, Hook & Ladder Co.
Person or Firm your office represents

c/o Munley, Meade, Nielsen & Re'
160 Middle Neck Road
Great Neck, NY 11021
Address

FOR FIRE MARSHAL USE ONLY

☐	Approved	☐	Record of which this Agency is Legal Custodian, cannot be found
☒	Denied for reason(s) checked	☒	Record is not Maintained by this Agency
☐	Confidential Disclosure - Part of Investigatory Files	☐	Exempted by Statute other than Freedom of Information Act
☐	Unwarranted Invasion of Personal Privacy	☐	Other _____

TR Hornsby — Signature
SFM — Title
7-23-02 — Date

NOTICE: You have a right to appeal denial of this application to the head of this agency.
Fire Marshal _____, 899 Jerusalem Avenue, PO Box 128, Uniondale, NY 11553, who must fully explain his reasons for such denial in writing within seven days of receipt of an appeal.

I hereby Appeal: _____ Signature _____ Date

FMACCESS[011491]

APPLICATION FOR PUBLIC ACCESS TO ENVIRONMENTAL HEALTH RECORDS
NASSAU COUNTY DEPARTMENT OF HEALTH

TO: Records Access Officer
Nassau County Department of Health
240 Old Country Road
Mineola, New York 11501

Date of Request: 7/23/02

Fax: (516) 571-1475, 571-3369

I Dawn M. Ruffini
Print your name

Dawn M. Ruffini
Signature

REPRESENTING Firm Tyree Bros. Envir. Srvces. Inc. Client Alert Fire Company

Your Mailing Address 208 Route 109 Farmingdale, NY 11735

Phone Number (631) 249-3150 x240 Fax Number (631) 249-3281

HEREBY APPLY TO INSPECT RECORDS FOR THE FOLLOWING ESTABLISHMENT:
Complete One Application For Each Establishment

Name Vacant Land Previous Name Pristine Cleaners

Address 140 Steamboat Road, Great Neck, NY
No., Street, Community *(We cannot identify parcels by their Section/Block/Lot)*

Is the Establishment still in business? Yes ___ or No X.
If no, enter year closed 1983± (This is necessary to retrieve the file.)

REASON FOR REQUEST: NYSDEC request; site is being investigated under the Voluntary Cleanup Program

PLEASE CHECK THE BUREAUS WHOSE FILES YOU REQUEST TO BE SEARCHED:
Note: Requests for Lead Files MUST use separate Lead FOIL Form available from Records Access Officer

☒ **Bureau of Environmental Protection** has files concerning: Drinking Water; Private Wells; Ground Water Quality; Backflow Prevention Devices; Bottled Water; Realty Subdivision; Private Sewage Disposal; Sewer Extensions, Sewer Connections, Underground Injection Control; Petroleum & Chemical Tanks & Bulk Storage, including Spills and Leaks; Medical Wastes; Solid Wastes; Air Emission Permits; Road Salt Storage;.

☒ **Bureau of Environmental Investigation** has files concerning: Environmental Investigations and Complaints including Odors; Asbestos; Tobacco Smoking; Housing; Rodent Control; Heat; General Nuisance; Animal Bites.

☐ **Bureau of Environmental Sanitation** has files concerning: Food Protection; Summer Camps; Temporary Residences; Bathing Facilities; Radiological Health; West Nile Virus and Mosquito Control.

FOR HEALTH DEPARTMENT USE ONLY BELOW THIS LINE

Signature / Date	☐ Approved ☐ Denied

NASSAU COUNTY
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD
MINEOLA, NEW YORK 11501-4250

Date: 8/2/02

Re: vacant land
140 Strambboat Rd
Great Neck, NY

Dear Ms. Raffini

Your request for access to records of the Department of Health has been approved. Records will be made available during normal working hours at 240 Old Country Road, Mineola, and there will be a 25 cent per page fee for photo copying any Nassau County Records. *(NOTE: Responses to Lead Foil requests are handled separately.)*

The Nassau County Department of Health shall not be responsible for inaccuracies in electronic information due to programming and/or clerical error.

Listed below are the Bureau(s) which have searched their files for records pertaining to your request. Please call the Bureau(s) checked below and speak to the contact person before arriving to see the records:

	BUREAU(S)	CONTACT PERSON	
	ENVIRONMENTAL PROTECTION		
☐	Water Supply Protection, Realty Subdivisions, Private Sewage Disposal, Sewer Connections, Underground Injection Control (except dry cleaners)	Mr. Irwin	571-3323
☐	Toxic and Hazardous Materials, Air Emission Permits, Underground Injection Control (dry cleaners)	Mr. Silvers	571-2404
	ENVIRONMENTAL INVESTIGATON		
☐	Tobacco Smoking, Odors, Asbestos	Mr. Hamann	571-4963
☐	Animal Bites	Mr. Yoniack	571-2290
☐	Housing, Rodent Control, Heat, General Nuisance	Ms. Lutzker	571-3678
	ENVIRONMENTAL SANITATION		
☐	Food Protection	Mr. Lynch	571-3680
☐	Summer Camps, Temporary Residences, Bathing Facilities, West Nile Virus, Mosquito Control	Mr. Jacobs	571-3680
☐	Radiological Health	Mr. Walderman	571-3313
☑	No Records Noted		

Yours Truly,

Nola Sanchez
(516) 571-3571

APPENDIX C

WATER SUPPLY BACKGROUND INFORMATION

Friday
April 11, 2003

Home
Mission Statement
Who We Are
Contact Us
Customer Service
Directions
Links
Xeriscape
Water Conservation
Water Quality Report
Important Notices

WATER AUTHORITY OF GREAT NECK NORTH

Welcome to the Water Authority of Great Neck North
50 Watermill Lane
Great Neck, New York 11021
(516) 487-7973
E-mail: mfwagnn@nysnet.net

EMERGENCY AFTER HOURS	NOTICE ALERTS
(516) 482-0210	DEC issues Drought Alert! Click here for details.
ENVIRONMENTAL ALERT FORM Please click here to Report Incidents, Problems, or Complaints online.	

BOARD OF DIRECTORS:

Michael C. Kalnick, Chair, Mayor, Village of Kings Point
Howard C. Miskin, Vice Chair
Edward Causin, Mayor, Village of Great Neck Estates
Jean Celender, Mayor, Village of Great Neck Plaza
Stephen H. Falk, Mayor, Village of Great Neck
Bonnie Golub, Mayor, Village of Kensington
J. Leonard Samansky, Mayor, Village of Saddle Rock
Shirley Siegal, Representative, Town of North Hempstead
Robert Stern, Mayor, Village of Thomaston

MANAGEMENT AND OPERATIONS:

Robert J. Graziano, Superintendent
Gregory C. Graziano, Operations Assistant
John E. Seiter, Treasurer, Office Manager
Marie L. Kimlicka, Secretary and Public Information Officer

WATER AUTHORITY OF GREAT NECK NORTH

PUBLIC NOTICE

ANNUAL DRINKING WATER QUALITY REPORT FOR THE YEAR ENDING DECEMBER 2001
PWS ID# 2902841

This ANNUAL DRINKING WATER QUALITY REPORT is furnished to the consumers of the Water Authority of Great Neck North pursuant to regulations in Part 5 of the New York State Sanitary Code, Section 5-1.72 and the 1996 Federal Safe Drinking Act Amendments, respectively. This report is designed to inform you about the quality of water and services the Authority has delivered over the past year and to give you other information regarding your water supply and conservation.

1. WATER SYSTEM INFORMATION

The Water Authority of Great Neck North office is located at 50 Water Mill Lane, New York. The person in charge of operating the water supply is the Superintendent of the Water Authority, Robert Graziano who can be reached by telephone at (516) 487-7973 extension 12, to answer questions about this report.

The Water Authority of Great Neck North has regularly scheduled board meetings on the third Monday of every month at the Water Authority's office.

Nassau County Department of Health has jurisdiction over the water system of the Authority. The Department of Health is located at 240 Old Country Road, Mineola, N.Y. 11501-4250 and representatives can be reached by telephone at (516) 571-2260 or (516) 571-3323.

The total population served is approximately 31,400 persons residing in the incorporated villages of Great Neck Estates, Kensington, Kings Point, Saddle Rock, and Great Neck, and portions of Great Neck Plaza, Thomaston, and the unincorporated areas of the Town of North Hempstead.

Pumpage

Total Pumpage data for 2001 is as follows:
Total water pumped : 1,689,006,000 gallons
Total water billed : 1,549,767,000 gallons
Total water unbilled but accounted for : 19,500,000 gallons
Total unaccounted for : 119,739,000 gallons
Percent unaccounted for : 7.17%

2. SOURCE OF SUPPLY

In general, the sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

WATER AUTHORITY OF GREAT NECK NORTH
50 Watermill Lane, Great Neck, NY 11021

Unregulated private wells should not be used for consumptive purposes.

The Water Authority of Great Neck North's water supply consists of groundwater drawn from eight (8) operating wells located throughout its service area and two (2) new operating wells located in Manhasset. Well Nos. 2A, 9 and 10A are screened in the Magothy aquifer at depths ranging from 143 feet to 161 feet. Well Nos. 5, 6, 7, 8 and 11 are screened in the Lloyd aquifer at depths ranging from 286 feet to 464 feet. The two (2) new wells are screened in the Magothy aquifer at depths ranging from 348 feet to 412 feet. Quantities of water presently available exceed the existing and projected water demands of our customers and the overall water quality meets all State Health Department standards.

Types of Treatment

All water is treated, prior to distribution, with Chlorine for bacteriological quality, with Sodium Hydroxide for pH control, which reduces corrosivity, and with a polyphosphate, which is used to control iron and discoloration associated with old unlined cast iron water mains and services.

The Water Authority does not add flouride to the water.

Source water from Well Nos. 2A, 8 and 9 are treated by air stripping to remove Tetrachloroethene. All treatment is approved by and in strict accordance with New York State and Nassau County Department of Health standards.

3. DEFINITIONS

The following definitions may help you better understand the terms and abbreviations used herein or on the table listing the 2001 Table of Detected Contaminants:

Maximum Contaminant Level Goal (MCLG)

The goal (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health.

Maximum Contaminant Level (MCL)

The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.

Treatment Technique (TT)

A required process intended to reduce the level of a contaminant in drinking water.

Action Level (AL)

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Non Detects (ND)

Laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or milligrams per liter (mg/l)

One part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per billion (ppb) or micrograms per liter (ug/l)

One part per billion corresponds to one minute in 2,000 years or a single penny in $10,000,000.

90th Percentile Value

The values reported for lead and copper represent the 90th percentile. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead and copper values detected at your water system.

4. DETECTED CONTAMINANTS

The Authority routinely monitors drinking water quality. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

As required by the USEPA, the State Sanitary Code and the Nassau County Department of Health, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, turbidity, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes and synthetic organic compounds. Information regarding the contaminants detected in this testing can be found within the table included as part of this annual report identified as 2001 TABLE OF DETECTED CONTAMINANTS.

As you will see in the table, our system had no violations during 2001. We have learned through our testing that some contaminants have been detected, however, these contaminants were detected below the level allowed by the State Department of Health.

Non Detected Contaminants

The following inorganic contaminants were analyzed for, but not detected, in any of the samples:

Antimony, Arsenic, Beryllium, Cadmium, Chromium, Free Cyanide, Fluoride, Mercury, Nickel, Selenium, Silver, Thallium, Ammonia, MBAS and Nitrites.

There were no detections of the following volatile halocarbons in the samples analyzed:

Bromochloromethane
Bromomethane
Carbon Tetrachloride
Chloroethane
Chloromethane
Dibromomethane
Dichlorodifluoromethane
1,2-Dichloroethane
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
Dichloromethane
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
1,1-Dichloropropene
cis-1,3-Dichloropropene
trans-1,3-Dichloropropene
Methylene Chloride
1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
Tetrachloroethene
1,1,2-Trichloroethane
Trichlorofluoromethane
1,2,3-Trichloropropane
Vinyl chloride

There were no detections of the following volatile aromatics in the samples analyzed:
Benzene
Bromobenzene
n-Butylbenzene
sec-Butylbenzene
Chlorobenzene
o-Chlorotoluene
p-Chlorotoluene
o-Dichlorobenzene
m-Dichlorobenzene
p-Dichlorobenzene
Ethylbenzene
Hexachlorobutadiene
Isopropylbenzene
p-Isopropylbenzene
n-Isopropylbenzene
Styrene
Toluene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
o-Xylene
m+p-Xylene

There were no detections of the following pesticides in the samples analyzed:

Alachlor
Aldicarb
Aldicarb Sulfoxide
Aldicarb Sulfone
Atrazine
Carbofuran
Chlordane
DBCP
2,4-D
Endrin
1,2-Dibromoethane
Heptachlor
Heptachlor Epoxide
Lindane
Methoxychlor
Polychlorinated biphenyls
Pentachlorophenol
Toxaphene
2,4,5-TP (Silvex)
Aldrin
Benzo(a)pyrene
Butachlor
Carbaryl
Dalapon
Bis-(2-ethylexyl)adipate
Bis-(2-ethylexyl)phthalates
Dicamba
Dieldrin
Dinoseb
Glyphosate
Hexachlorobenzene
Hexachlorocyclopentadiene
3-Hydroxycarbofuran
Methomyl
Metolachlor
Metribuzin
Oxamyl (Vydate)

Pichloram
Propachlor
Simazine
Aroclor 1016
Aroclor 1221
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Endothall
Diquat
Dioxin

5. CONSERVATION

The Water Authority of Great Neck North has continued to move forward with an aggressive Water Conservation program. The source of supply for the Authority lies within fragile fresh water aquifer systems lying beneath the peninsula. The aquifers are considered fragile due to their proximity to salt water, which surrounds the peninsula. Sustained overpumping of our wells will eventually lead to salt water intrusion and the loss of supply.

In recognition of this existing condition, the Board of Directors has adopted a plan of action to protect our resource. The plan consists of an aggressive conservation program coupled with the development of a new supply located off the peninsula. The Authority has completed construction and placed two (2) new wells off the peninsula in service. While the new wells will provide some relief for any salt water intrusion on the peninsula, it is imperative that the community work with the Authority to conserve our existing supply.

Generally, the Authority has sufficient supply to avoid overpumping. However, during peak periods of the summer, lawn irrigation increases to a point that creates stress on the system. We ask that all our customers be cognizant of our conservation needs and to help in our efforts with regard to this matter. Working together we will protect our water supply so that it can be enjoyed for generations.

A. Internal Conservation Operations

1) Leak Detection Program - 100% of the distribution system has been surveyed for leaks by trained technicians utilizing electro-sonic leak detection equipment.

2) Expedient leak repair - The Authority continues to attack all leaks as emergencies with repair work generally occurring within 24 hours of notification.

3) 100% metered system - The Authority requires all services to be metered. Large meter accuracy is tested on an annual basis. Smaller meters are tested or replaced once every fifteen (15) years. If meter accuracy is questioned, the consumer is entitled to one accuracy test per year. All production meters (well meters) have been recently replaced.

4) Public Awareness Program - The Authority will continue to promote conservation throughout the peninsula.

5) Conservation driven rate structure - The Authority's rates have been developed to promote conservation. The water rates for 2001 are posted in this report.

6) Water Use Audits & Retrofit Program - This program was developed to help customers identify water saving opportunities within the home and to promote the use of low flow fixtures. The program is available free of charge to all of our customers. Please contact this office if you wish to participate at 487-7973.

7) Sprinkling regulations - The Authority has limited lawn irrigation to three times per week and requires the installation and testing of moisture sensors or rain gauges for all automatic systems.

8) Xeriscape Garden - The Authority, in conjunction with Nassau County, has constructed a Xeriscape garden to promote the use of drought-resistant plantings for landscape design.

B. Conservation Ordinance

The Authority has continued its Water Conservation Program as mandated by the Department of Environmental Conservation. This program implements and conforms to Nassau County Ordinance 248A 1987.

C. Residential Information

Lawn Watering Restrictions 2001 & 2002

1) No watering between 10:00 AM and 4:00 PM.

2) Odd numbered addresses may water on Monday, Wednesday and Friday. Even numbered addresses may water on Tuesday, Thursday and Sunday.

3) Water lawns slowly and as infrequently as possible.

4) Hoses are required to have nozzles that automatically shut off water when not in use.

5) Washing of driveways and sidewalks is prohibited.

6) Sprinkling is prohibited during periods of precipitation.

7) Rain gauge or moisture sensor is required for all automatic lawn irrigation.

8) No watering permitted between November 1 and April 15.

Residential Water Saving Recommendations

The conscientious use of water by our residents will greatly aid the Authority's conservation efforts. The use of low flow fixtures can reduce domestic consumption by as much as 20%. Reducing lawn irrigation from three times per week to twice per week can reduce irrigation use by over 30%.

1. How much water should I give my lawn?

Although the normal lawn needs 1-2 inches of water per week, the actual amount your property requires depends on these variables: amount of rain, type of soil, air temperature, type of grass, relative humidity, degree of sun/shade, amount of thatch. For example: If your lawn has soil with a high clay content and is growing in the shade, it will need less than one growing in sandy soil with full sun.

2. Did You Know?

a) A slow drip wastes 15 gallons in 24 hours.

b) 1/32@ leak wastes 25 gallons in 24 hours.

c) 1/16@ leak wastes 100 gallons in 24 hours.

d) 1/8@ leak wastes 400 gallons in 24 hours.

6. 2001 MODIFICATIONS AND PLANS FOR 2002

A. 2001 Modifications

Completed several water main replacement projects to replace small unlined cast iron mains with new water mains.

B. 2002 Plans

In 2002, the Water Authority has plans for the following major capital improvements:

Continue plans for water main replacement projects to replace small unlined cast iron mains with new water mains.

Complete plans and specifications for the rehabilitation of the 1,000,000 gallon water storage tank located on Wildwood Road and commence work on the rehabilitation of the tank.

7. WATER RATES

A brief financial account of the Water Authority for 2001 is as follows:

Total Revenue: $6,321,192

Operating and Maintenance Expenses: $2,863,619

Interest Expense on Bonds: $1,176,800

Note: These figures have been audited by independent public accountants.

Water Rates for 2001 were as follows:

Class I - Residential Customers -

Metered Water Service

Bills rendered quarterly in arrears, calculated using the following usage levels and rates:

CCF	EQUIVALENT GALLONS	RATE PER CCF
0 to 22	0 to 16,500	$2.05
23 to 180	16,501 to 135,000	$2.55
181 to 600	135,001 to 450,000	$2.90
601 to 900	450,001 to 675,000	$3.35
901 and over	675,001 and over	$3.90

There are no minimum charges.

1 ccf = 100 cubic feet = 750 gallons. Average annual charge per residential service is as stated above for each 750 gallons.

8. SUMMARY

In summary, all wells are monitored 24 hours a day by State Certified Operators who inspect each well station daily to check and record chemical feeds. Samples are collected at well sites and throughout the distribution system to ensure that the water supply provided to our residents is of the highest quality possible.

The Water Authority of Great Neck North recognizes the concerns that residents have regarding the quality of their drinking water. The Authority makes every effort to continue to supply safe drinking water in compliance with all applicable health standards. Please contact the Authority should you have any questions or desire further information at 487-7973.

WATER AUTHORITY OF GREAT NECK NORTH
2001 ANNUAL DRINKING WATER QUALITY REPORT

Table of Detected Contaminants

Contaminant	Violation Yes/No	Date of Sample[1]	Level Detected (Maximum) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Inorganic Contaminants							
Barium	No	n/a	0.052 ND to 0.052	mg/l	2	MCL = 2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chloride	No	n/a	86 5 to 86	mg/l	n/a	MCL = 250	Naturally occurring or indicative of road salt contamination.
Copper	No	2nd half of 1999	0.14[2] ND to 0.06	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives.
Iron	No	n/a	50 ND to 50	ug/l	n/a	MCL = 300[5]	Naturally occurring.
Lead	No	2nd half of 1999	0.004[2] ND to 0.001	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
Manganese	No	n/a	100 ND to 100	ug/l	n/a	MCL = 300[5]	Naturally occurring; Indicative of landfill contamination
Sodium	No	n/a	20 4.9 to 20	mg/l	n/a	20[3] and 270[4]	Naturally occurring; Road salt; Water softeners; Animal waste.
Sulfate	No	n/a	36 ND to 36	mg/l	n/a	MCL = 250	Naturally occurring.
Zinc	No	n/a	0.08 0.01 to 0.08	mg/l	n/a	MCL = 5	Naturally occurring; Mining waste
Odor	No	n/a	1 ND to 1	Units	n/a	MCL = 3	Organic or inorganic pollutants originating from municipal and industrial waste discharges; natural sources.
Inorganics - Nitrate and Nitrite							
Nitrate	No	n/a	4.2 ND to 4.2	mg/l	10	MCL = 10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Volatile Organic Contaminants							
1,1 Dichloroethane	No	n/a	3.0 ND to 3.0	ug/l	n/a	MCL = 5	Released into the environment as fugitive emissions and in wastewater during production and use as a chemical intermediate solvent; used in vinyl chloride manufacturing; chlorinated solvent intermediate; coupling agent in anti-knock gasoline; degreasing agent.

WATER AUTHORITY OF GREAT NECK NORTH
2001 ANNUAL DRINKING WATER QUALITY REPORT

Table of Detected Contaminants

Contaminant	Violation Yes/No	Date of Sample[1]	Level Detected (Maximum) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Volatile Organic Contaminants (continued)							
1,1 Dichloroethylene	No	n/a	1.0 ND to 1.0	ug/l	n/a	MCL = 5	Discharge from industrial chemical factories.
1,1,1 Trichloroethane	No	n/a	1.5 ND to 1.5	ug/l	n/a	MCL = 5	Discharge from metal degreasing sites and other factories.
Trichloroethene	No	n/a	1.2 ND to 1.2	ug/l	n/a	MCL = 5	Discharge from metal degreasing sites and other factories.
Contaminants Listed in Table 16 of Part 5							
Methyl Tertiary Butyl Ether (MTBE)	No	n/a	3.3 ND to 3.3	ug/l	n/a	MCL = 50	Releases from gasoline storage tanks. MTBE is an octave enhancer in unleaded gasoline. Atmospheric deposition.

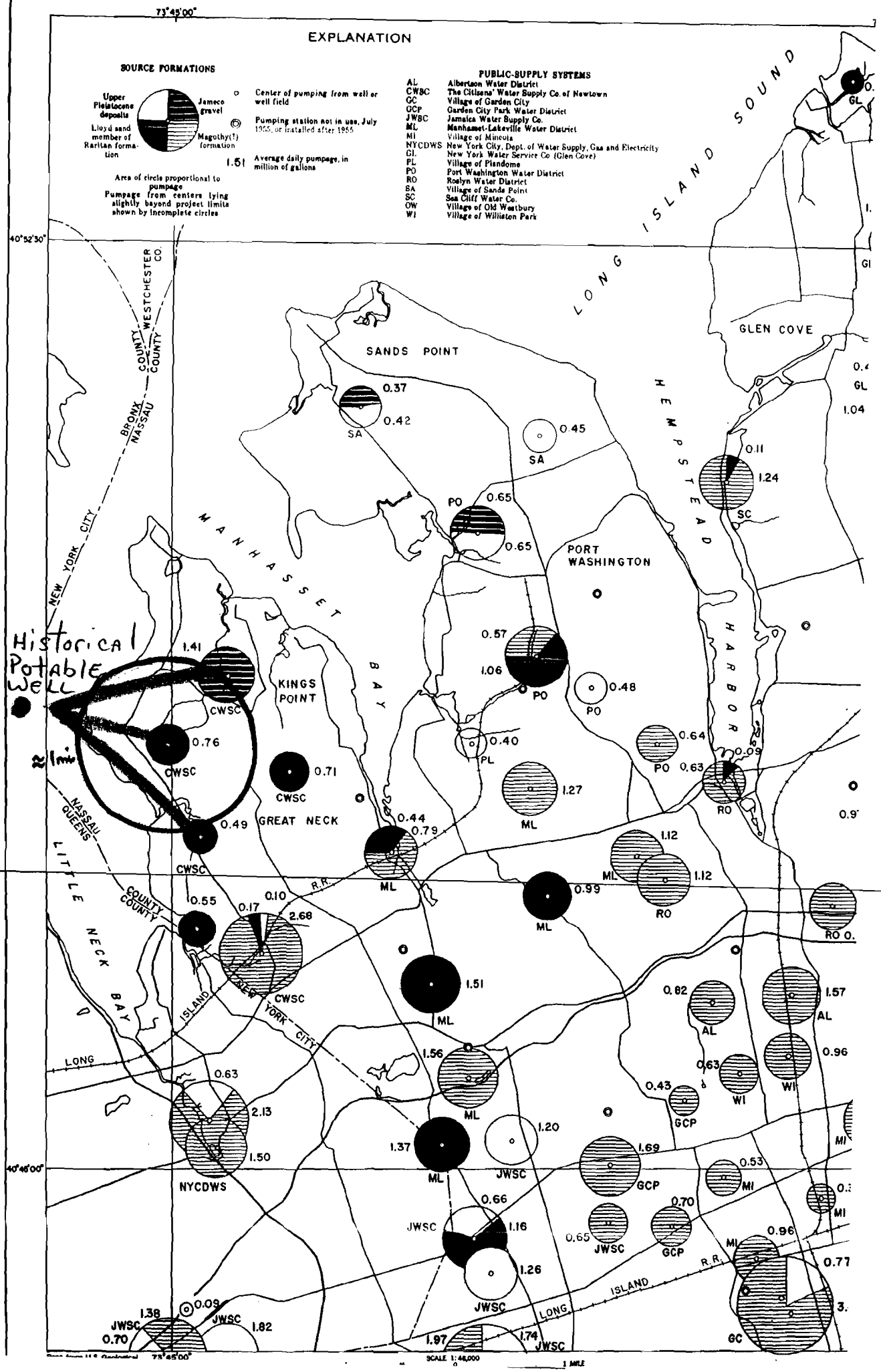
[1] Date of Sample is shown only for samples not taken in 2001.

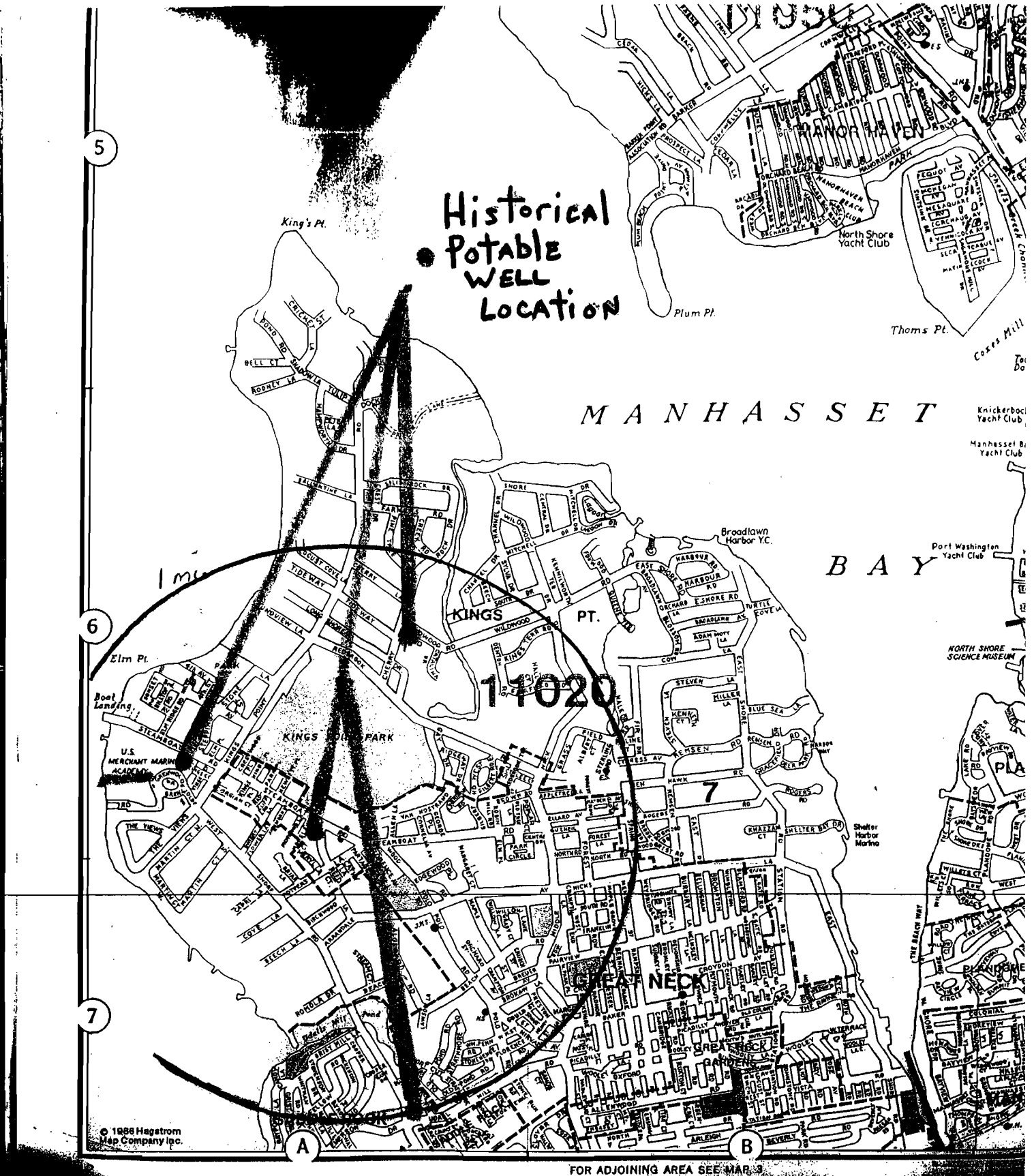
[2] The level presented represents the 90th percentile of the 30 sites tested.

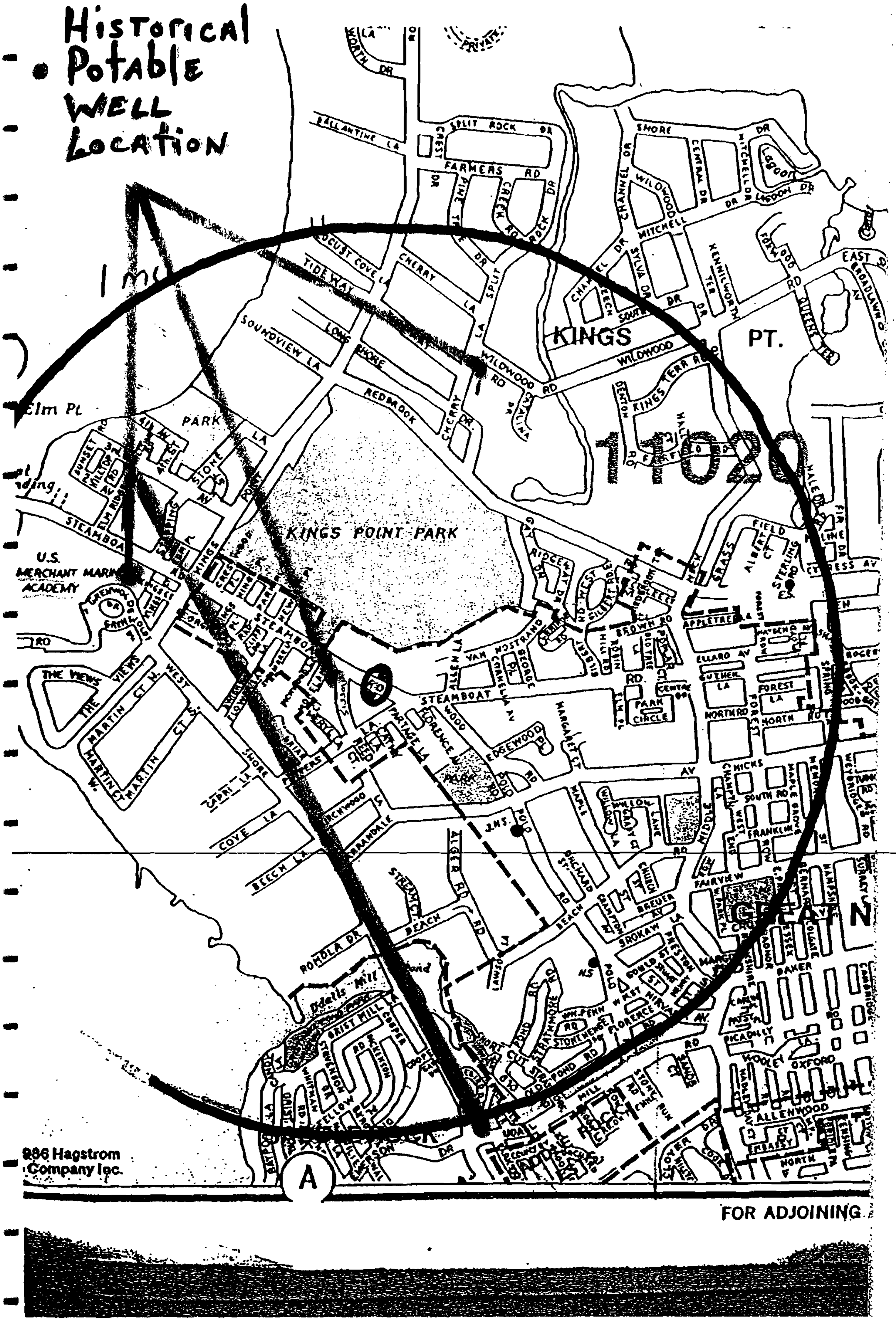
[3] Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets.

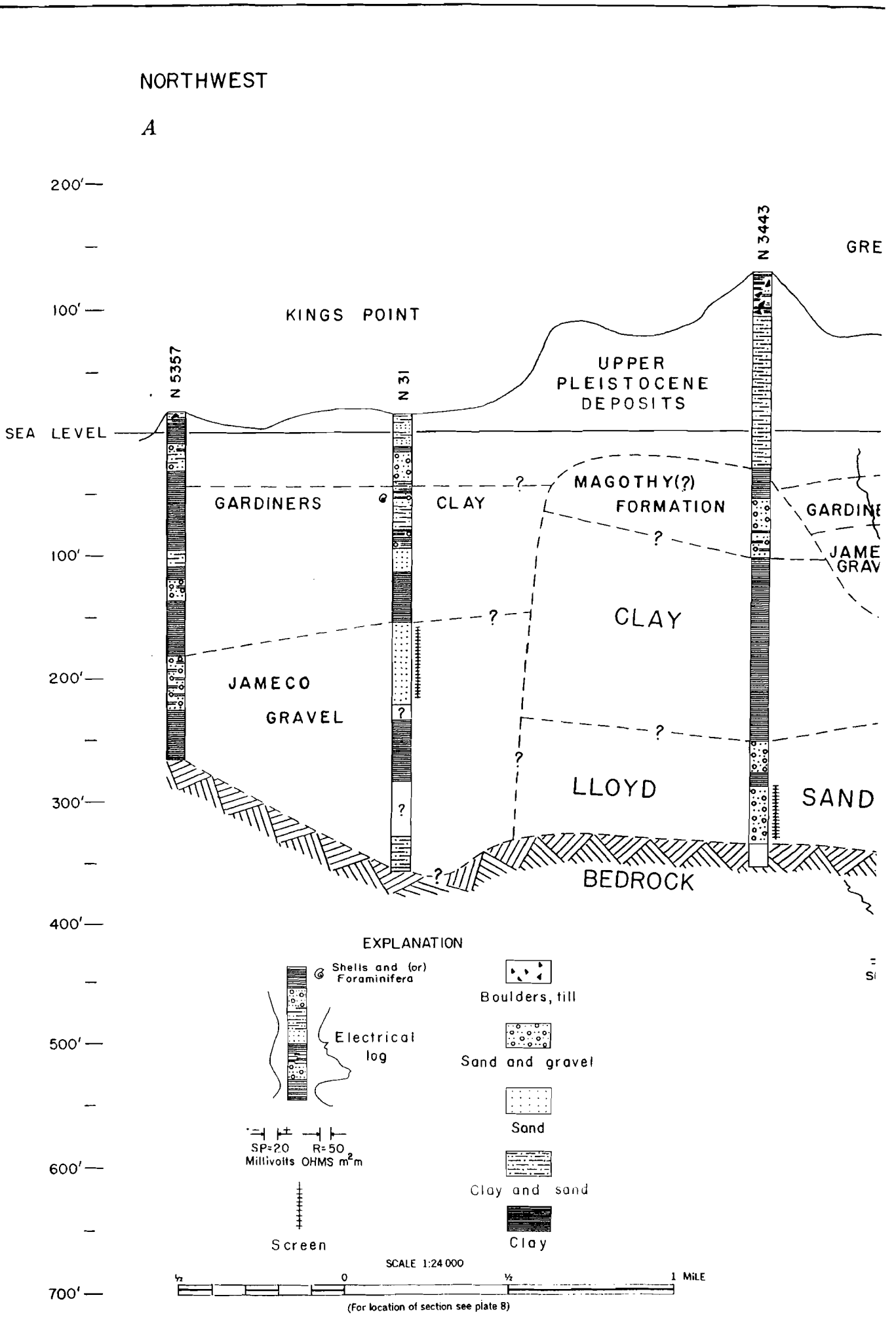
[4] Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderatley restricted sodium diets.

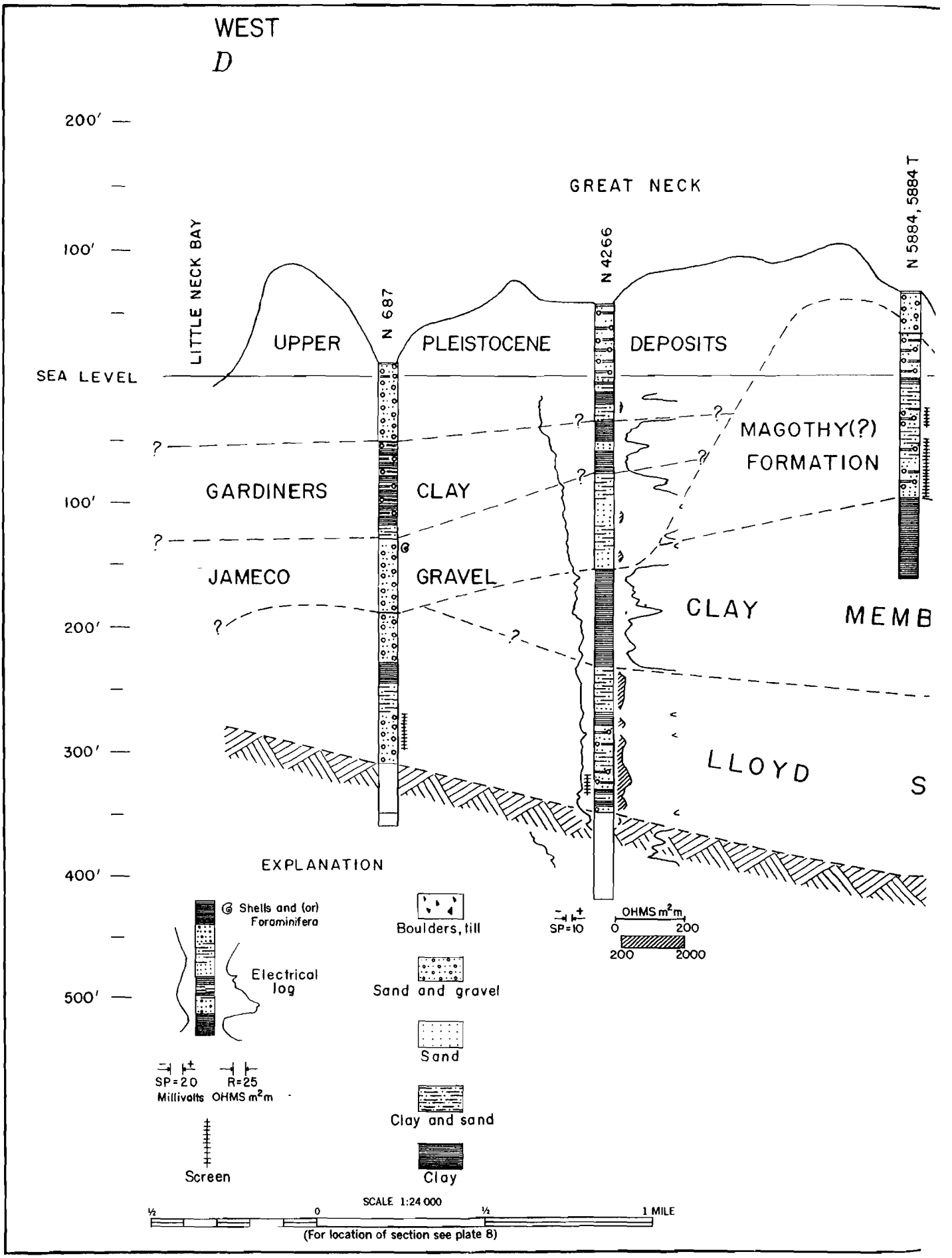
[5] If iron and manganese are present, the total concentration of both should not exceed 500 ug/l.


EXPLANATION
SOURCE FORMATIONS
Upper Pleistocene deposits
Jameco gravel
Lloyd sand member of Raritan formation
Magothy(?) formation
Center of pumping from well or well field
Pumping station not in use, July 1955, or installed after 1955
1.51 Average daily pumpage, in million of gallons
Area of circle proportional to pumpage
Pumpage from centers lying slightly beyond project limits shown by incomplete circles
PUBLIC-SUPPLY SYSTEMS
AL Albertson Water District
CWSC The Citizens' Water Supply Co. of Newtown
GC Village of Garden City
GCP Garden City Park Water District
JWSC Jamaica Water Supply Co.
ML Manhasset-Lakeville Water District
MI Village of Mineola
NYCDWS New York City, Dept. of Water Supply, Gas and Electricity
GL New York Water Service Co. (Glen Cove)
PL Village of Plandome
PO Port Washington Water District
RO Roslyn Water District
SA Village of Sands Point
SC Sea Cliff Water Co.
OW Village of Old Westbury
WI Village of Williston Park
73°45'00"
40°52'30"
40°45'00"
LONG ISLAND SOUND
GLEN COVE
SANDS POINT
PORT WASHINGTON
KINGS POINT
GREAT NECK
MANHASSET BAY
HEMPSTEAD HARBOR
LITTLE NECK BAY
LONG ISLAND R.R.
NEW YORK CITY
COUNTY
WESTCHESTER CO.
BRONX
NASSAU
QUEENS
Historical Potable Well
≈1mi
0.37
0.42
SA
0.45
SA
0.65
PO
0.65
0.11
1.24
SC
1.04
0.57
1.06
PO
0.48
PO
0.40
PL
0.64
PO
0.63
0.09
RO
1.27
ML
1.41
CWSC
0.76
CWSC
0.71
CWSC
0.49
CWSC
0.44
0.79
ML
1.12
ML
1.12
RO
0.99
ML
0.55
0.17
0.10
2.68
CWSC
1.51
ML
1.56
ML
0.82
AL
1.57
AL
0.96
0.63
WI
WI
0.43
GCP
0.63
2.13
1.50
NYCDWS
1.37
ML
1.20
JWSC
1.69
GCP
0.53
MI
0.66
JWSC
1.16
0.65
JWSC
0.70
GCP
0.96
MI
0.77
1.26
JWSC
1.38
0.09
JWSC
0.70
JWSC
1.82
1.97
1.74
JWSC
GC
SCALE 1:48,000
1 MILE


Historical
• Potable
WELL
LOCATION
11020
MANHASSET
BAY
MANORHAVEN
North Shore
Yacht Club
Plum Pt.
Thoms Pt.
King's Pt.
KINGS PT.
Broadlawn
Harbor Y.C.
Port Washington
Yacht Club
Knickerbocker
Yacht Club
Manhasset Bay
Yacht Club
NORTH SHORE
SCIENCE MUSEUM
Elm Pt.
Boat
Landing
U.S.
MERCHANT MARINE
ACADEMY
GREAT NECK
GREAT NECK
GARDENS
Shelter
Harbor
Marina
5
6
7
A
B
© 1986 Hagstrom
Map Company Inc.
FOR ADJOINING AREA SEE MAP 3


Historical
• Potable
WELL
Location
KINGS PT.
KINGS POINT PARK
11020
U.S. MERCHANT MARINE ACADEMY
Elm Pt
THE VIEWS
STEAMBOAT
WILDWOOD RD
REDBROOK
SOUNDVIEW LA
LONG SHORE
TIDEWAY
LOCUST COVE LA
CHERRY
SPLIT ROCK DR
FARMERS RD
BALLANTINE LA
SHORE DR
MITCHELL
KINGS TERRA RD
MARTIN CT N.
WEST
CAPRI LA
COVE LA
BEECH LA
ROMOLA DR
STEAMBOAT
EDGEWOOD PL
HICKS
FOREST
NORTH RD
FIELD
CYPRESS AV
ALLENWOOD
OXFORD
WOOLEY
986 Hagstrom Company Inc.
A
FOR ADJOINING


NORTHWEST
A
200'
100'
SEA LEVEL
100'
200'
300'
400'
500'
600'
700'
N 5357
N 31
N 3443
KINGS POINT
UPPER PLEISTOCENE DEPOSITS
GARDINERS CLAY
MAGOTHY(?) FORMATION
CLAY
JAMECO GRAVEL
LLOYD SAND
BEDROCK
EXPLANATION
Shells and (or) Foraminifera
Electrical log
SP=20 Millivolts
R=50 OHMS m²m
Screen
Boulders, till
Sand and gravel
Sand
Clay and sand
Clay
SCALE 1:24 000
½ 0 ½ 1 MILE
(For location of section see plate 8)


WEST
D
200′
100′
SEA LEVEL
100′
200′
300′
400′
500′
LITTLE NECK BAY
N 687
GREAT NECK
N 4266
N 5884, 5884 T
UPPER
PLEISTOCENE
DEPOSITS
MAGOTHY(?)
FORMATION
GARDINERS
CLAY
JAMECO
GRAVEL
CLAY
MEMB
LLOYD
S
EXPLANATION
Shells and (or) Foraminifera
Electrical log
SP=20
R=25
Millivolts
OHMS m²m
Screen
Boulders, till
Sand and gravel
Sand
Clay and sand
Clay
SP=10
OHMS m²m
0
200
200
2000
SCALE 1:24 000
½
0
½
1 MILE
(For location of section see plate 8)

STATE OF NEW YORK

DEPARTMENT OF CONSERVATION

WATER POWER AND CONTROL COMMISSION

RECORD OF WELLS

IN

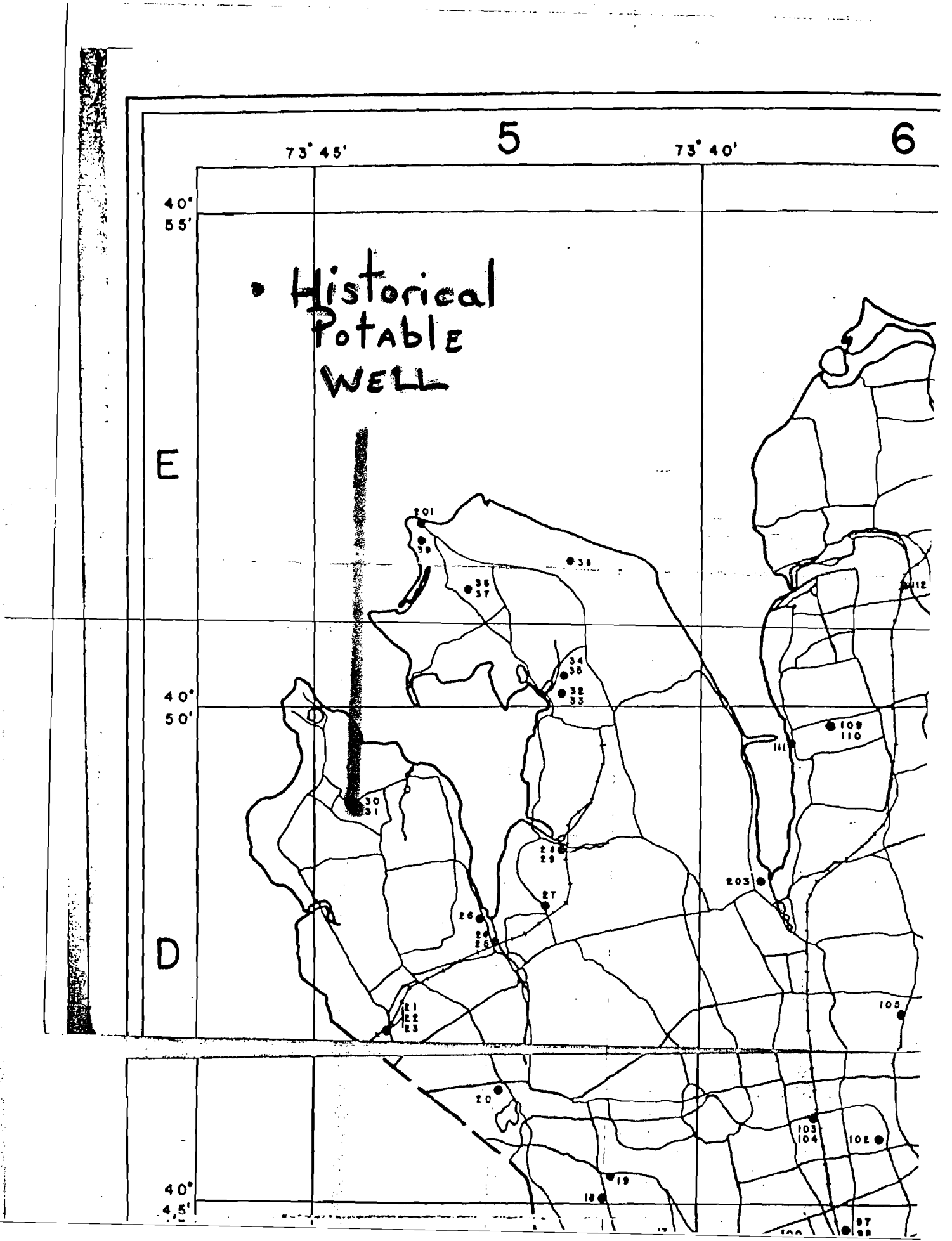
NASSAU COUNTY, N. Y.

Exclusive of those published in
U. S. Geological Survey Professional Paper 44

Prepared by the United States Geological Survey
in cooperation with the Water Power and
Control Commission and with
Nassau County

BULLETIN GW-5

ALBANY
1938


5
6
73° 45'
73° 40'
40° 55'
40° 50'
40° 45'
E
D
• Historical Potable WELL
201
38
36 37
34 35
32 33
108 110
111
30 31
28 29
27
26
24 25
203
21 22 23
105
20
103 104
102
19
18
97

N 29. (Continued)

	Thickness (feet)	Depth (feet)
Sand, very coarse, brown, and small gravel	17	202
Sand, finer than above, white	1	203
Sand, very fine, small amount of clay, considerable mica	3	206

Casing: 12-inch.

N 30. Citizens Water Supply Co. Well 1. Wildwood Rd., and Cherry Lane, Kings Point. (5 D, 4.5 N., 3.9 W.). Drilled by Layne-New York Co., Inc., May 1928. Altitude about 20 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, yellow	55	55
Gumbo	12	67
Clay, sandy, and boulders	48	115
Sand, gravel, and blue clay	14	129
Hardpan	20	149
Sand and gravel	55	204
Hardpan and tough clay	8	212

Casing: 24 to 16 inches.
Screen: 16-inch set from 164.3 to 203 feet.

Pumping test:

Static water level:	7.5 feet.
Pumping water level:	127.8 feet.
Drawdown:	120.3 feet.
Yield:	900 gallons a minute.
Specific capacity	7.

N 31. Citizens Water Supply Co. Well 4. Wildwood Rd., and Cherry Lane, ings Point. (5 D, 4.5 N., 3.9 W.). Drilled by Layne-New York Co., Inc., ine 1931. Altitude about 20 feet above sea level. Driller's log.

	Thickness (feet)	Depth (feet)
op soil, black	3	3
lay, sandy	12	15
nd, gray	14	29
y, blue	24	53
y and boulders	21.8	74.8
d and clay	21.7	96.5
y and boulders	14.1	110.6

(Continued on next page)

W 31. (Continued).

	Thickness (feet)	Depth (feet)
Sand, dark	18	128.6
Clay, red	42.2	170.8
Sand, gray	66.2	237
Sand and stone	2	239

Screen: 18-inch set from 173 to 233 feet.
12-inch set from 183 to 211 feet.

Pumping test:

Static water level:	0.0 feet.
Pumping water level:	95 feet.
Drawdown:	95 feet.
Yield:	1,260 gallons a minute.
Specific capacity:	13.

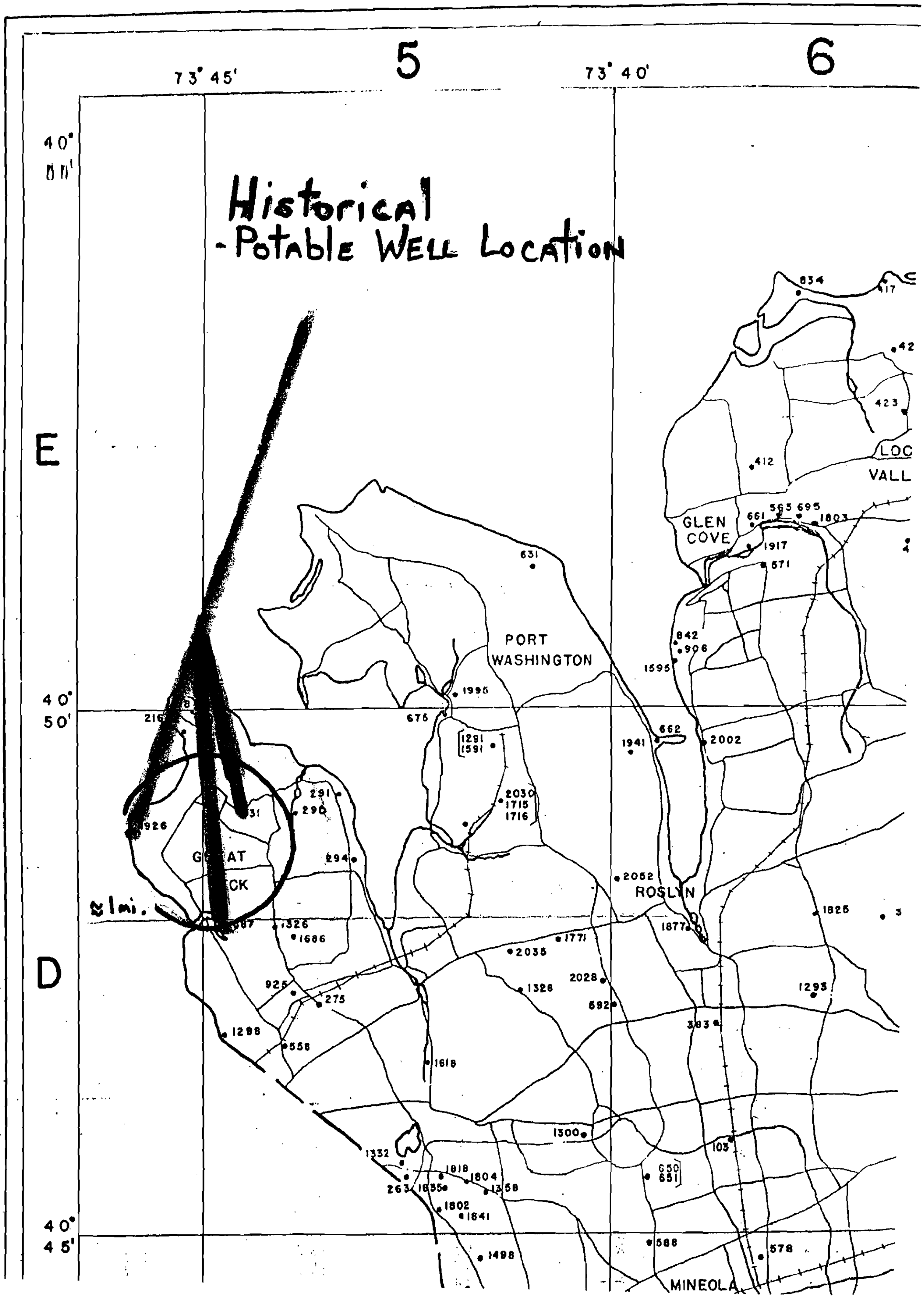
See Supplement Record

W 32. Port Washington Water District. Composite log of 3 deep wells. (5 E. 0.2 N., 1.6 W.). Altitude about 23 feet above sea level. Record furnished by City of New York, Department of Water Supply, Gas & Electricity.

	Thickness (feet)	Depth (feet)
Loam and sand	14	14
Clay	6	20
Sand, water-bearing	20	40
Clay and hardpan	10	50
Sand and gravel, water-bearing	40	90
Clay	20	110
Stones, boulders, and sand	90	200
Clay	4	204
Sand, water-bearing	40	244
Clay and hardpan, some charcoal	41	285
Gravel	104	389
Bedrock		

Well 1. 322 feet deep, yield 400 gallons a minute.
Well 2. 413 feet deep, yield 500 gallons a minute.
Well 3. 395 feet deep, yield 500 gallons a minute.

There are five additional shallow wells (numbers 4 to 8), with average depth of 92 feet, drilled 1925 to 1930. Combined yield, 800 gallons a minute.



5
6
73° 45'
73° 40'
Historical
-Potable WELL Location
E
D
40° 50'
40° 45'
PORT WASHINGTON
GLEN COVE
ROSLYN
MINEOLA
≅1mi.
631
1995
675
2030
1715
1716
291
290
294
926
1326
1686
925
275
1298
556
1618
2035
1771
1328
2028
592
2052
1877
1941
662
2002
1595
842
906
412
834
423
563
695
661
1803
1917
571
1825
1293
383
1300
103
650
651
588
578
1332
263
1835
1818
1804
1358
1802
1841
1498

WELL LOGS AND DESCRIPTIVE NOTES

N 31. Citizens Water Supply Co. Well 4. Wildwood Road and Cherry Lane, Kings Point. (5 D, 4.6 N, 3.9 W). Drilled by Layne-New York Co. Inc., June 1931. Altitude of land surface about 20 feet above sea level. Log begins 239 feet below land surface. Record from 249 to 372 feet furnished by J. H. Sanford.

	Thickness (feet)	Depth (feet)
Record missing	10	249
Clay, heavy	50	299
Record missing	45	344
Lloyd a/	20	364
Record missing	4	368
Bedrock	4	372

a/ The following statement was furnished by J. H. Sanford: "The above hole was dry, the Lloyd at the point where it was encountered being too fine and not water bearing in nature. The sole reason for assuming that this is the Lloyd was because of its position."

Log from land surface to 239 feet published in Bulletin GW-5 (1938).

N 46. Channel Management Corp. About 500 feet north of Lido Boulevard and about 900 feet west of Town of Hempstead Park, Point Lookout. (6 B, 0.7 N, 0.4 W). Drilled by Layne-New York Co., Inc., June 1937. Altitude of land surface 6 feet above sea level. Log begins at land surface. Log based on record furnished by Ray Firestone, well driller

	Thickness (feet)	Depth (feet)
Sand	5	5
Muck, blue	13	18
Sand, white	30	48
Clay, blue	14	62
Sand, medium coarse	38	100
Clay	11	111
Clay and coarse sand	10	121
Sand, coarse	23	144
Clay, tough	50	194
Sand and streaks of clay	92	286
Clay, very tough	12	298
Sand, coarse	63	361
Clay, tough	8	369
Sand, streaks of clay	41	410

(Continued on next page)

N 687. Citizens Water Supply Co. of Newtown. Well 3. Old Mill Road and Bayview Avenue, Great Neck. (5 D, 3.3 N, 4.1 W). Drilled by Harris-Harmon Well Co., Inc., September 1939. Altitude about 10 feet above sea level. Log begins at land surface. Driller's log.

	Thickness (feet)	Depth (feet)
Gravel, stones and clay	5	5
Gravel	35	40
Gravel and sand	12	52
Clay and stones	25	77
Clay and gravel	20	97
Clay and stones	21	118
Clay	2	120
Clay, sandy	10	130
Sand and gravel	10	140
Gravel	40	180
Gravel, sandy	65	245
Clay	35	280
Gravel	7	287
Gravel and muddy sand	23	310

Casing: 28 to 12 inch.
Screen: 30 feet of 12 inch with bottom at 310 feet.

Pumping test:
August 19, 1939.

Duration:	12 hours.
Static water level:	16 feet.
Drawdown:	97 feet.
Yield:	715 gallons a minute.
Specific capacity:	7

N 687. Citizens Water Supply Co. of Newtown. Well 3. Old Mill Road and Bayview Avenue, Great Neck. (5 D, 313 N, 4.1 W). Drilled by Harris-Harmon Well Co., Inc., September 1939. Altitude about 10 feet above sea level. Log begins at land surface. Log based on examination of samples by M. L. Brashears, Jr.

	Thickness (feet)	Depth (feet)
Top soil and marsh muck	10	10
Clay, gray and cobbles with layers of coarse, white gravel	90	100
Clay, gray	10	110

(Continued on next page)

N 687. (Continued)

	Thickness (feet)	Depth (feet)
Sand and gravel, gray, pebbles	90	200
Sand and gravel, white	40	240
Clay, yellow and brown with considerable lignite	16	256
Clay, soft, gray with streaks of sandy, brown and yellow clay and some lignite	24	280
Sand and gravel, white	40	320
Bedrock, weathered, gray	40	360
Bedrock, gray	10	370

There are 38 other wells on this property. N 21, N 22, N 23, N 30, N 31, which have been published in Bulletin GW-5 (1938), and N 700, Well 21 A, N 1298, and N 1879 to N 1909 inc. N 1880, N 1885 and N 1899 have been abandoned. N 1889 was replaced by N 700, Well 21 A.

N 693. Jamaica Water Supply Co. Well 15-D. Elmont Station. (5 C, 2.8 N, 2.3 W). Drilled by Layne-New York Co., Inc., June 1939. Altitude about 60 feet above sea level. Log begins at land surface. Driller's log.

	Thickness (feet)	Depth (feet)
Topsoil and fill	6	6
Sand, brown and gravel	9	15
Sand, coarse, brown and gravel	15	30
Sand, coarse, yellow and gravel	20	50
Sand, fine packed, yellow with mica	15	65
Sand, coarse, yellow and gravel	31	96
Clay, sandy, white	5	101
Clay, tough blue	6	107

Casing: 44 inch to 38 inch to 26 inch.
Screen: 25 feet of 26 inch with bottom at 93 feet.

Pumping test:
June 26, 1939.

Duration:	8 hours.
Static water level:	8 feet.
Drawdown:	41 feet.
Yield:	1550 gallons a minute.
Specific capacity:	38

(Continued on next page)

N 1301. Henry Brand, West Side of Bloomingdale Avenue, Hicksville. (7 D, 0.1 N, 0.4 W). Drilled by Frederick Bach, April 1940. Altitude of land surface about 130 feet above sea level. Log begins at land surface. Driller's log.

	Thickness (feet)	Depth (feet)
Old dug well	43	43
Sand and gravel	21	64
Clay	2	66

Casing: 8 inch.
Screen: 10 feet of 8 inch with bottom at 64 feet.

Pumping test:
April 26, 1940.

Duration:	1 hour.
Static water level:	40 feet.
Drawdown:	9 feet.
Yield:	230 gallons a minute.
Specific capacity:	25

N 1326. Playhouse Theater, Maple Drive and Middleneck Road, Great Neck. (5 D, 3.3 N, 3.6 W). Drilled by C. W. Lauman and Co., Inc., April 1940. Altitude about 60 feet above sea level. Log begins 10 feet below land surface. Driller's log.

	Thickness (feet)	Depth (feet)
Sand, fine, brown	6	6
Sand, coarse and large gravel	14	20
Clay, sandy, gray	12	32
Clay, dark-gray	15	47
Clay, hard, brown and gravel	9	56
Boulders	7	63
Clay, gray, and gravel	11	74
Clay, sandy, yellow	11	85
Clay, fine, sandy	24	109
Clay, sand and gravel	5	114
Clay, sandy, yellow	8	122
Sand, yellow and lumpy clay	11	133
Sand, medium, fine yellow	4	137
Sand, coarse	10	147
Sand, fine, and lumpy clay	3	150
Sand, medium coarse, yellow	15	165
Sand, fine, lumpy clay and hardpan	13	178
Gravel, medium	7	185
Sand and gravel	11	196

(Continued on next page)

N 1326 (Continued)

Casing: 8 inch.
Screen: 11 feet of 6 inch with bottom at 195 feet.

Pumping test: April 18, 1940. Static water level: 68 feet. Yield: 265 gallons a minute.

All measurements made from top of well, 9.5' below street.

N 1326. Playhouse Theater, Maple Drive and Middleneck Road, Great Neck. (5 D, 3.3 N, 3.6 W). Drilled by C. W. Lauman & Co., Inc., April 1940. Altitude about 60 feet above sea level. Log begins 10 feet below land surface. Log based on examination of samples by W. de Laguna.

	Thickness (feet)	Depth (feet)
Silt, fine sand and a few pebbles, orange-yellow with a few lumps of gray clay	6 8	6 14
Gravel, fine, angular and silt	6	20
Gravel, coarse and sand, light yellow, many pebbles	12	32
Sand, medium and clay, dark brownish gray	15	47
Clay, sandy, gray	9	56
Sand, coarse and clay, dark gray brown	7	63
Gravel, sand and clay, dark brown with pebbles	11	74
Sand, medium and clay	11	85
Clay, sandy, yellow	24	109
Clay and fine sand, light yellowish gray	5	114
Sand, medium to coarse, and clay, light yellowish	8	122
Sand, medium and clay, light yellow	25	147
Sand, medium to coarse, light yellow	1	148
Sand, fine, and clay, light yellow	17	165
Sand, medium to coarse, yellow, clean	13	178
Sand, coarse with clay, yellow	7	185
Sand, medium to coarse, little fine gravel, clean	5	190
No sample	6	196
Gravel, some sand, clean white		

There is one diffusion well, [illegible] 1578 on this property, 6 inches in diameter with screen set from [illegible] to 25 feet.

N 1923. (Continued)

	Thickness (feet)	Depth (feet)
Sand, medium, brown, and clay	3	285
Sand, medium, brown, and clay with thin layers of cemented layers of limonite	1	286
Sand, medium coarse, brown, and clay	4	290
Sand, medium, light yellow, and fairly clean clay	30	320
Sand, medium fine, brownish-gray, and clay	13	333
Sand, medium, brown, and clay	25	358

There are three other wells on this property, N 1665, well 2, N 1666, well 3, N 1658, well 1, ranging in depth from 108 to 300 feet.

N 1926. United States Merchant Marine Academy, Kings Point. (4 D, 4.4 N, 0.7 W). Drilled by C. W. Lauman and Co., Inc., December 1943. Altitude 51.21 feet above sea level. Log begins 2-5 feet above land surface. Driller's log.

	Thickness (feet)	Depth (feet)
Clay, sandy, brown, and boulders	60	62
Clay, sandy, brown, and gravel	11	73
Clay, sandy, dark gray	34	107
Clay, solid, dark gray	18	125
Clay, solid, gray, and black	50	175
Clay, red, white, and gray	13	188
Clay, little sandy, gray	21	209
Clay, dark gray	9	218
Clay, sandy, gray	2	220
Sand, some clay and grits	5	225
Sand, brown and grits	11	236
Sand, brown, and gravel	6	242
Sand, yellow, and lumps of clay	3	245
Sand, brown, and grits	12	257
Clay, sandy	1	258
Sand, brown, and grits	11	269
Sand, medium coarse, brown	11	280
Sand, brown, and grits	3	283

Casing: 12 inch.
Screen: 52 feet of 8 inch with bottom at 278 feet.

(Continued on next page)

N 1926. (Continued)

Pumping test:
July 1[illegible], 1944.

Duration:	5 hours.
Static water level:	50½ feet.
Drawdown:	10 feet.
Yield:	650 gallons a minute
Specific capacity:	65

N 1926. United States Merchant Marine Academy, Kings Point. (4 D, 4.4 N, 0.7 W). Drilled by C. W. Layman and Co., Inc., December 1943. Altitude 51.21 feet above sea level. Log begins at land surface. Log based on examination of samples by W. deLaguna.

	Thickness (feet)	Depth (feet)
Topsoil	1	1
Clay, and silt, soft, plastic (when wet), gray-brown	50	51
Gravel, fine, and sand, with some clay	8	59
Clay, brownish-gray	7	66
Clay, brownish-gray, with coarse sand	7	73
Sand and fine gravel, brown, a little clay	17	90
Silt, clay, and a little medium sand	8	98
Clay, sandy, dark grayish-brown and medium fine sand	18	116
Clay and fine silt	9	125
Clay, tough, dark gray	53	178
Clay, tough, with small pieces of lignite, grayish-brown and red	7	185
Clay, solid, hard, slate gray	26	211
Silt, and fine sand, with a little clay, soft and soupy when wet, medium gray	7	218
Sand, fine, some silt, light grayish-brown	4	222
Clay, soft, yellow-orange, and gray with a little medium to fine gravel	3	225
Sand, light brown, coarse, with some silt and clay, yellow-orange	3	228
Sand, coarse, light yellow	2	230
Gravel, fine, and sand, light grayish-yellow, almost white	18	248
Silt, sand, and gravel, light yellowish-gray, almost white	3	251
Sand, medium, pale cream color, almost white	15	266
Sand, coarse, white, some fine gravel, fairly clean	16	282
Sand, coarse, clean, very light brown	4	286
Clay, hard and dense, dark slate gray, almost black	10	296
Gravel, sand, and clay, light gray	4	300
Bedrock, decomposed	at	300

7/11/03

APPENDIX D

PHOTO COMPARISONS
1993 vs. 2003

1993 Building Face

2003 Current facing SW (DW area in foreground)

1993 Outside facing NE

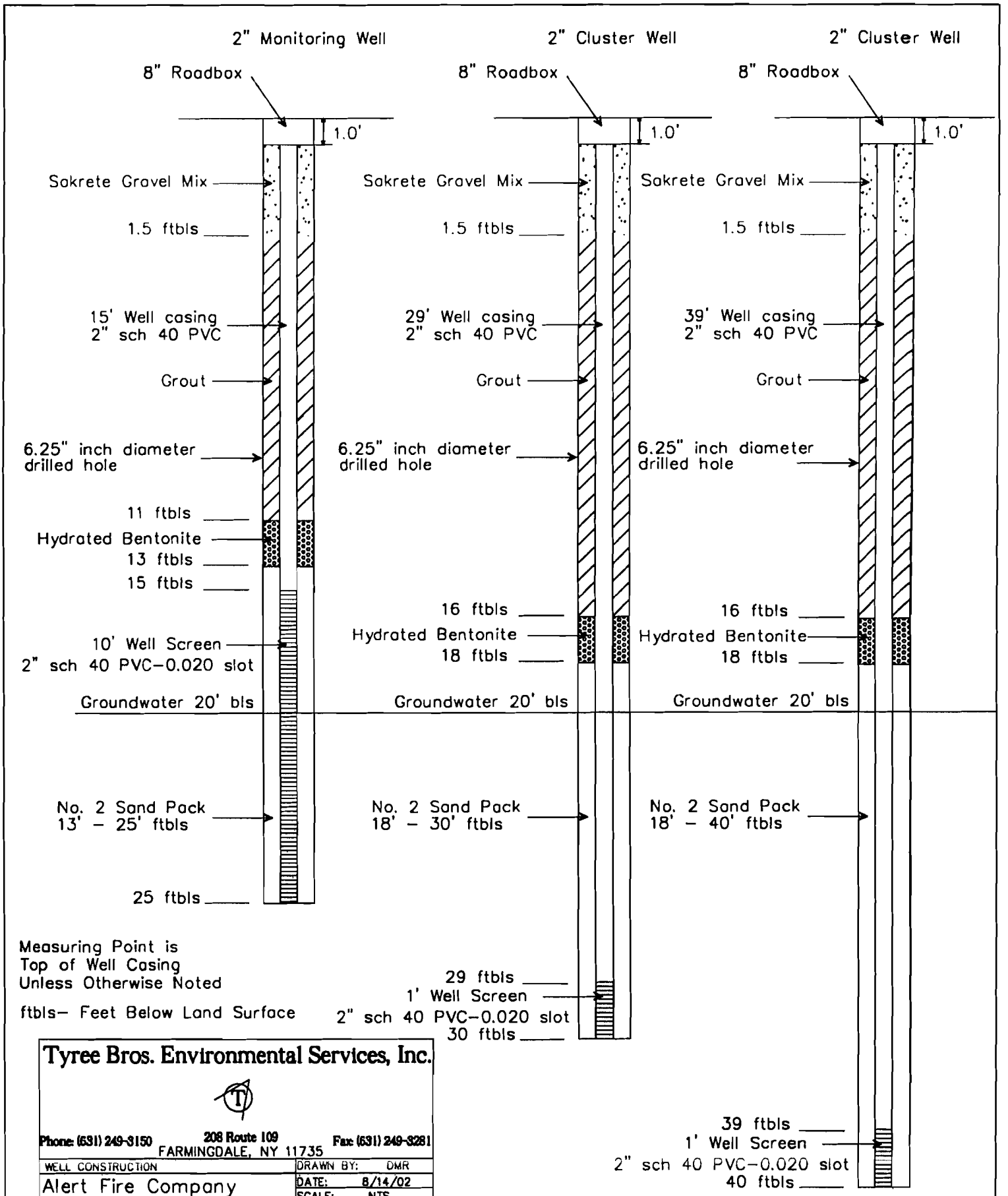
2003 Current view NE

1993 Pail

2003 Current view of former pail area

APPENDIX E

TYPICAL MONITORING WELL CLUSTER DETAIL



Tyree Bros. Environmental Services, Inc.

Phone: (631) 249-3150 208 Route 109 FARMINGDALE, NY 11735 Fax: (631) 249-3281

WELL CONSTRUCTION	DRAWN BY: DMR
Alert Fire Company 140 Steamboat Road Great Neck, NY	DATE: 8/14/02 SCALE: NTS CLIENT: Alert

APPENDIX F

TABLE 1 – TASK OUTLINE

TABLE 1 – TASK OUTLINE

	PROPOSED TASK	GENERAL DESCRIPTION
1.	Geophysical survey	Perform Ground Penetrating Radar and a magnetometer survey across the property to confirm the presence or absence of a previous fuel oil UST and proposed drywell.
2.	Soil Gas survey	Perform a Soil Gas survey across a 25 x 25 foot grid in the area of previously identified contamination about the five (5) gallon pail and Borings B-3, B-5 and B-6 to confirm the presence or absence of contamination. Other locations may apply based on field findings.
3.	Boring drilling/soil sampling	Drill seventeen (17) soil borings; collect continuous Macro Core samples; screen soil samples with PID; submit an expected soil sample with highest PID reading and deepest/cleanest sample from each boring to laboratory for volatile and semi-volatile organics analyses. Additional soil / water samples may be collected based upon field investigation.
4.	Well installation	Drill a minimum of three (3)cluster wells into groundwater (construction to be determined)
5.	Well development and sampling	Develop, purge and sample all well clusters; analyze one groundwater sample from each individual well for volatile and semi-volatile organics. Additional samples may be collected and analyzed for other parameters dependant upon field findings.
6.	Well surveying	Survey well casings to an arbitrary datum and monitor each well to produce a site specific groundwater flow map
7.	Investigation Report preparation	Provide all data and information obtained during the investigation, including recommendations

APPENDIX G

PROJECT PERSONNEL RESUMES/QUALIFICATIONS

Hesna Aksehirli
Senior Remedial Design Engineer

Years With Tyree Since February/2000
Years in Industry 13 (Miller Environmental Group Inc. Since 1987)

Education

State University of New York, Stony Brook
Master of Science – Environmental and Waste Management, 1993
Penn State University, Pennsylvania
EIT-Engineer-In-Training, Professional Engineering Course, 1983
Technical University of Istanbul, Turkey
Bachelor of Science – Mining Engineering, 1969

Registration and Certification

OSHA HAZWOPER Training
OSHA Hazardous Waste Supervisor Training
OSHA Confined Space Entry Training
DOT Hazardous Materials Training
CPR and First Aid Training
National Ground Water Association

Professional Experience

Senior Remedial Design Engineer/Senior Project Manager (1987-Present)

Groundwater Remediation System Design (**Pump and Treat, Air Sparge and Vapor Extraction Systems**). Implementation of VES and AS pilot study programs to aid in the design of full scale systems. Perform pump tests, permeability test and aquifer testing. Application of Aerobic (**ORC socks and slurry injection, Bio-rem product injection**) and Anaerobic (Nitrate injection) bioremediation systems. Application of Enhanced Fluid/Vapor Recovery technology. Management of system operations and preparation of Quarterly Progress Reports for private clients and for sites under the supervision of NYSDEC Region 1 and 2. Phase I and 11 investigations, Risk and Exposure Assessments utilizing Fate and Transport Models (**Bioscreen, Sesoil and AT123D, WinFlow, Visual Mod Flow, Pest, RBCA**). Preparation of Bid Proposals for Remediation System Design, Construction and Operation.

Construction Field Project Manger

Construction Project Manager on a $500,000 chlorinated hydrocarbon remediation project. Responsible for the complete construction, submittals schedule, daily construction reports, shop drawings and cost control of the project. The project was designed to remediate a 25,000 ppb PCE plume in the Upper Glacial Magothy aquifers. The project included two extraction wells (total 250 gpm), 35 feet an air stripper, Soil Vapor Extraction System, duct heater, liquid and vapor phase carbon units. Supervised the performance of a 90 day start-up operation.

Experience

Tyree Organization, Ltd.: 1996
Years with Other Firms: 1 (Cosper Environmental)

State University of New York, Oneonta, New York
Bachelor of Science - Biology/Ecological Science, 1994

Long Island University-C.W. Post, Old Westbury, NY
Master of Science – Environmental Studies (in progress)

OSHA HAZWOPER Training
OSHA Confined Space Entry Training
DOT Hazardous Materials Training
CPR and First Aid Training

Environmental Scientist/Project Manager

Served as a hydrogeologist and project manager for several major oil company and private accounts. Responsible for the development of remedial action plans, subsurface investigations, geologic and hydrogeologic assessments, remedial design, construction, operation and maintenance, estimating, budgets and invoicing.

Environmental Remediation & Maintenance Technician

Responsible for the maintenance of over forty (40) remedial systems throughout the New York metro area. Specific duties include mechanical and electrical maintenance, repairs, system monitoring, calibration, optimization, and compliance sampling.

Field Hydrogeologist

Served as a field hydrogeologist for several major oil company and other commercial accounts. Responsible for the supervision of remedial actions, subsurface investigations, geologic and hydrogeologic assessments, soil and groundwater contamination screening, soil and groundwater sampling, borehole logging, remedial construction, operation and maintenance. Prepared reports based upon field results.

Monitoring & Sampling Technician

Responsible for the monitoring and sampling of groundwater wells at over 200 spill sites. Sampled using QA/QC protocols. Prepared samples for laboratory analysis along with all appropriate paperwork.

Chemist I

Prepared and analyzed samples in Wet Chemistry laboratory following all appropriate QA/QC protocols.

Experience

Tyree Organization, Ltd.: 2001
Years with Other Firms: 0

State University of New York, Oneonta, New York
Bachelor of Science - Environmental Science/Earth Science, 2000

OSHA HAZWOPER Training
OSHA Confined Space Entry Training
DOT Hazardous Materials Training

Field Hydrogeologist

Served as a field hydrogeologist for several major oil company and other commercial accounts. Responsible for the supervision of remedial actions, subsurface investigations, geologic and hydrogeologic assessments, soil and groundwater contamination screening, soil and groundwater sampling, borehole logging, remedial construction, operation and maintenance. Prepared reports based upon field results.

Monitoring & Sampling Technician

Responsible for the monitoring and sampling of groundwater wells at over 200 spill sites. Sampled using QA/QC protocols. Prepared samples for laboratory analysis along with all appropriate paperwork.

Quality Assurance Officer - Patricia Werner-Els

EDUCATION

Bachelor Degree, Geology, Fairleigh Dickinson University, Madison, NJ
June 1983

SUMMARY OF EXPERIENCE
Environmental Testing Laboratories, Inc., Farmingdale, New York
August 1990 - Present
May 1992 - Present
Quality Assurance Officer: Responsibilities include the development and implementation of a Quality Assurance/Quality Control program; Monitoring the lab's performance with blind samples and double blind samples; Performing internal audits and data review for quality issues; Overseeing the introduction of proficiency samples to the lab from NYDOH, NJDEP, NIOSH and NELAP; Answering client questions regarding quality issues; Acting liaison between the lab and governing agencies for protocol changes and certification updates. Maintain lab certification and necessary analytical requirements for numerous states.
October 1991-May 1992
Technical Specialist: Responsibilities included QA/QC development, project and sample management, and laboratory supply purchasing.
August 1990-October 1991
Inorganic Supervisor: Responsible for the day to day operation of the inorganic section of the lab; Developed the inorganic section to include a wet chemistry department; was instrumental in the implementation of QA/QC procedures; installed and developed the Perkin Elmer Z5100 graphite furnace for metals analysis.

H_2M Laboratories, Inc., Melville, New York
August 1985 - August 1990
July 1988 - August 1990
Promotion responsibilities include the quality control and quality assurance of wet chemistry and metals data for Contract Laboratory Protocol (CLP) work. Organization of USEPA Lead studies, and writing proposals for protocol projects. Institution of CLP packages through Telecation Associations software and generation and review of finished data. In charge of the entire laboratory supply through numerous vendors.

August 1985 - June 1988
Lab Tech: Technician in the inorganic and metals department. Responsible for the operation of the ARL 3410 Inductively Coupled Plasma Spectrophotometer, the Perkin Elmer 5100 Graphite Furnace and the Varian GT 96 Graphite Furnace. Duties also included the analysis of wastewater for Phenols, Cyanide, Total Kjeldahl Nitrogen, Ammonia, Total Alkalinity, and Solids.

Premier Environmental Services.

RENEE G. COHEN

Experience

PREMIER ENVIRONMENTAL SERVICES, Merrick, New York

1993-Present

Perform organic and inorganic data validation according to the various protocols from the EPA CLP, NYS ASP and USEPA Test Methods for the Evaluation of Solid Waste, Methods for the Chemical Analysis of Water and Waste and the Federal Register. Use the USEPA National Functional Guidelines for Organic and Inorganic Data Validation (where applicable) as well as State (NYS DEC ASP) and Region requirements to report on laboratory data quality and data usability. Review and write Quality Assurance Project Plans using Regional and State guidelines for Remedial Investigations, Ground Water Monitoring programs and Superfund Programs. Review data and work plans as they relate to project data quality objectives. Conducts seminars on client specific topics. Perform on-site laboratory QA/QC audits as required by the client and site specific work plans. Perform ASTM Phase 1 Assessments for engineering firms.

February 1999-Present – Consultant - KeySpan Laboratory Services. Developed laboratory QAPP (in accordance with NELAC) and Chemical Hygiene Plan. Modified and updated laboratory SOP's. Perform audits in the different work areas. Review data for completeness and QC criteria. Implemented client inquiry system. Performed QC training and method training for bench and field chemists. Developed protocols and documentation for field PCB wipe sampling. Update/maintain laboratory certifications.

NYTEST ENVIRONMENTAL INC., Port Washington, New York

1994-1998

Responsible for the overall quality program at the laboratory. This included the auditing of test methods, systems and data reporting. Performed the review of 10% of all data reports prior to submission to client. Oversaw the training program of new employees. Maintain the documentation of the training records. Review and maintain state certification paperwork and SOP files. Update and file annual MDL datum. Work with sales and customer service to insure that client needs are met. Respond to client data inquires. Work with state and federal auditors for review of laboratory to receive certification. Successfully lead the laboratory to an Army Corp of Engineer validation.

1989-1993

ENSECO EAST, Somerset, New Jersey

QA/QC Scientist - Performed organic and inorganic audits of the laboratory. Performed and coordinated corrections and revisions to data reports. Wrote and reviewed laboratory Quality Assurance Project plans (QAPjP's) for client specific projects. Developed and led seminars for both client and employees on a number of topics including; data quality objectives, data review vs. data validation and laboratory QC. Interacted with clients, project managers and state personnel for regulatory concerns and data/lab issues. Performed lab audits for method compliance and project specific requirements. Acted as the Technical Representative for Ensecos EPA 3/90 Organic CLP Contract.

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(516) 223-9761 • FAX (516) 223-0983

Renee Cohen – Page 2

1988-1989 **INTECH BIOLABS, East Brunswick, New Jersey**

QA/QC Manager - Responsible for the review of all organic and inorganic data. Performed general laboratory and safety audits. Recorded and charted all QA/QC data. Reviewed and assembled all CLP organic data reports.

1986-1988 **INTERNATIONAL TECHNOLOGIES CORPORATION, Edison, New Jersey**

Central Laboratory Chemist - REAC and EERU Contract for the Emergency Response Branch (ERB) of the USEPA. Responsible for the organic and inorganic extraction of environmental samples according to EPA Methods. This included both metals digestion as well as organic extraction's for semivolatiles, pesticides and PCB's. Performed Volatile Organic analyses using Gas Chromatography, Total Petroleum Hydrocarbon Analysis by IR, Metal Analyses by both Graphite Furnace AA and ICP. Field experience included s on site analyses for both metals and GC volatiles.

1985-1986 **U.S. TESTING COMPANY, Hoboken, New Jersey**

Chemist - Responsible for the digestion and analysis of both soil and aqueous samples for metals according to USEPA CLP and SW 846 protocols. Responsible for the analysis of sample digestates using the Varian Graphite Furnace Atomic Absorption Spectrophotometer and a Jerall Ash ICP-61.

Education

B.S. Environmental Science, December 1984
B.S. Biology, May 1984
Old Dominion University, Norfolk, Virginia

16 hours of Chemistry coursework

Graduate Coursework - Rutgers University, New Brunswick, New Jersey
Long Island University at C.W. Post, Glen Cove, New York

Continuing Education

Good Laboratory Practice (GLP) - June 1992, Center for Professional Development, East Brunswick, New Jersey

40 Hour Course, Region II-Edison, NJ (1987)
24 Hour Refresher Course (1988, 1989, 1991)

References

Available upon request.

Quality Assurance Officer - Patricia Werner-Els

EDUCATION

Bachelor Degree, Geology, Fairleigh Dickinson University, Madison, NJ
June 1983

SUMMARY OF EXPERIENCE
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APPENDIX H

TOXICON QUALIFICATIONS & CHAIN OF CUSTODY

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2003
Issued June 25, 2002
Revised July 01, 2002

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LAXMAN S. DESAI
TOXIKON CORPORATION
15 WIGGINS AVENUE
BEDFORD MA 01730 USA

NY Lab Id No: 10778
EPA Lab Code: MA00064

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES ANALYTICAL SERVICES PROTOCOL
All approved subcategories and/or analytes are listed below:

CLP PCB/Pesticides
CLP Semi-Volatile Organics
CLP Volatile Organics
CLP Inorganics

Serial No.: 16163

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DOH-3317 (3/97)

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EPA Lab Code: MA00064

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Metals I	
Arsenic, Total	EPA 200.7
	EPA 200.9
Barium, Total	EPA 200.7
Cadmium, Total	EPA 200.7
Chromium, Total	EPA 200.7
Copper, Total	EPA 200.7
Lead, Total	EPA 200.9
Manganese, Total	EPA 200.7
Selenium, Total	EPA 200.9
Silver, Total	EPA 200.7
Zinc, Total	EPA 200.7
Drinking Water Metals II	
Beryllium, Total	EPA 200.7
Drinking Water Non-Metals	
Alkalinity	SM18 2320-B
Calcium Hardness	EPA 200.7
Chloride	EPA 325.3
Color	SM 18/19 2120B
Corrosivity	SM 18/19 2330
Cyanide	SM18 4500-CN-E
Fluoride, Total	SM18 4500-F-C
Hydrogen Ion (pH)	EPA 150.1
Nitrate (as N)	EPA 353.2
Drinking Water Non-Metals	
Solids, Total Dissolved	SM18 2540C
Sulfate (as SO4)	SM18 4500-SO4 F
Drinking Water Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Microextractibles	
1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1
Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2

Serial No.: 16157

DOH-3317 (3/97)

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All approved analytes are listed below:

Volatile Aromatics	
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
m-Xylene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
o-Xylene	EPA 524.2
p-Isopropyltoluene (P-Cymene	EPA 524.2
p-Xylene	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2

Volatile Halocarbons	
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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BEDFORD MA 01730 USA

NY Lab Id No: 10778
EPA Lab Code: MA00064

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved subcategories and/or analytes are listed below:

Drinking Water Metals II

Antimony, Total	SM18 3113B
Nickel, Total	EPA 200.7
Thallium, Total	EPA 200.9

Volatile Halocarbons

Trichloroethene	Method Not Specified

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BEDFORD MA 01730 USA

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is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrolein and Acrylonitrile	
Acrolein	EPA 624
Acrylonitrile	EPA 624
Benzidines	
3,3 -dichlorobenzidine	EPA 625
	SM18 6410B
Benzidine	EPA 625
Chlorinated Hydrocarbon Pesticides	
4,4 -DDE	EPA 608
	SM18 6630B
4,4 -DDT	EPA 608
	SM18 6630B
4,4-DDD	EPA 608
	SM18 6630B
Aldrin	EPA 608
	SM18 6630B
alpha-BHC	EPA 608
	SM18 6630B
beta-BHC	EPA 608
	SM18 6630B
Captan	SM18 6630B
Chlordane Total	EPA 608
	SM18 6630B
delta-BHC	EPA 608

Chlorinated Hydrocarbon Pesticides	
delta-BHC	SM18 6630B
Dichloran	SM18 6630B
Dieldrin	EPA 608
	SM18 6630B
Endosulfan I	EPA 608
	SM18 6630B
Endosulfan II	EPA 608
	SM18 6630B
Endosulfan sulfate	EPA 608
	SM18 6630C
Endrin	EPA 608
	SM18 6630B
Endrin aldehyde	EPA 608
Heptachlor	EPA 608
	SM18 6630B
Heptachlor epoxide	EPA 608
	SM18 6630B
Lindane	EPA 608
	SM18 6630B
Methoxychlor	EPA 608
Mirex	SM18 6630B
Toxaphene	EPA 608
	SM18 6630B

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All approved analytes are listed below:

Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA 625
	SM18 6410B
2-Chloronaphthalene	EPA 625
	SM18 6410B
Hexachlorobenzene	EPA 625
	SM18 6410B
Hexachlorobutadiene	EPA 625
	SM18 6410B
Hexachlorocyclopentadiene	EPA 625
	SM18 6410B
Hexachloroethane	EPA 625
	SM18 6410B
Chlorophenoxy Acid Pesticides	
2,4,5-T	SM18 6640B
2,4,5-TP (Silvex)	SM18 6640B
2,4-D	SM18 6640B
Demand	
Biochemical Oxygen Demand	EPA 405.1
	SM18 5210 B
Chemical Oxygen Demand	EPA 410.4
	SM18 5220D
Haloethers	
4-Bromophenylphenyl ether	EPA 625

Haloethers	
4-Bromophenylphenyl ether	SM18 6410B
4-Chlorophenylphenyl ether	EPA 625
	SM18 6410B
Bis (2-chloroisopropyl) ether	EPA 625
	SM18 6410B
Bis(2-chloroethoxy)methane	EPA 625
	SM18 6410B
Bis(2-chloroethyl)ether	EPA 625
	SM18 6410B
Mineral	
Alkalinity	EPA 310.1
	SM18 2320-B
Calcium Hardness	EPA 200.7
Chloride	EPA 300.0
	EPA-325.3
	SM18 4500Cl-B
Fluoride, Total	EPA 340.2
	SM18 4500-F-C
Hardness, Total	EPA 130.2
	EPA 200.7
	SM 18 2340 B
Sulfate (as SO4)	EPA 300.0
	EPA 375.4

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Mineral	
Sulfate (as SO4)	SM18 4500-SO4 D
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 625
	SM18 6410B
2,6-Dinitrotoluene	EPA 625
	SM18 6410B
Isophorone	EPA 625
Nitrobenzene	EPA 625
	SM18 6410B
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
	SM18 6410B
N-Nitrosodi-n-propylamine	EPA 625
	SM18 6410B
N-Nitrosodiphenylamine	EPA 625
	SM18 6410B
Nutrient	
Ammonia (as N)	EPA 350.1
Kjeldahl Nitrogen, Total	EPA 351.1
Nitrate (as N)	EPA 300.0
	EPA 353.2
	SM18 4500-NO3 F
Orthophosphate (as P)	EPA 300.0
Nutrient	
Orthophosphate (as P)	EPA 365.3
	SM18 4500-P E
Phosphorus, Total	EPA 365.2
	SM18 4500-P E
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	SM18 6410B
Bis(2-ethylhexyl) phthalate	EPA 625
	SM18 6410B
Diethyl phthalate	EPA 625
	SM18 6410B
Dimethyl phthalate	EPA 625
	SM18 6410B
Di-n-butyl phthalate	EPA 625
	SM18 6410B
Di-n-octyl phthalate	EPA 625
	SM18 6410B
Polychlorinated Biphenyls	
PCB-1016	EPA 608
PCB-1221	EPA 608
PCB-1232	EPA 608
PCB-1242	EPA 608
PCB-1248	EPA 608

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Polychlorinated Biphenyls	
PCB-1254	EPA 608
PCB-1260	EPA 608
Polynuclear Aromatics	
Acenaphthene	EPA 625
	SM18 6410B
Acenaphthylene	EPA 625
	SM18 6410B
Anthracene	EPA 625
	SM18 6410B
Benzo(a)anthracene	EPA 625
	SM18 6410B
Benzo(a)pyrene	EPA 625
	SM18 6410B
Benzo(b)fluoranthene	EPA 625
	SM18 6410B
Benzo(ghi)perylene	EPA 625
	SM18 6410B
Benzo(k)fluoranthene	EPA 625
	SM18 6410B
Chrysene	EPA 625
	SM18 6410B
Dibenzo(a,h)anthracene	EPA 625
	SM18 6410B
Polynuclear Aromatics	
Fluoranthene	EPA 625
	SM18 6410B
Fluorene	EPA 625
	SM18 6410B
Indeno(1,2,3-cd)pyrene	EPA 625
	SM18 6410B
Naphthalene	EPA 625
	SM18 6410B
Phenanthrene	EPA 625
	SM18 6410B
Pyrene	EPA 625
	SM18 6410B
Priority Pollutant Phenols	
2,4,5-Trichlorophenol	CLP 95-2
	SW-846 8270C
2,4,6-Trichlorophenol	EPA 625
2,4-Dichlorophenol	EPA 625
	SM18 6410B
2,4-Dimethylphenol	EPA 625
	SM18 6410B
2,4-Dinitrophenol	EPA 625
	SM18 6410B
2-Chlorophenol	EPA 625

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EPA Lab Code: MA00064

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Priority Pollutant Phenols	
2-Chlorophenol	SM18 6410B
2-Methyl-4,6-dinitrophenol	EPA 625
	SM18 6410B
2-Nitrophenol	EPA 625
	SM18 6410B
4-Chloro-3-methylphenol	EPA 625
	SM18 6410B
4-Nitrophenol	EPA 625
	SM18 6410B
Pentachlorophenol	EPA 625
	SM18 6410B
Phenol	EPA 625
	SM18 6420B
Purgeable Aromatics	
1,2-Dichlorobenzene	EPA 624
	SM18 6210B
1,3-Dichlorobenzene	EPA 625
	SM18 6210B
1,4-Dichlorobenzene	EPA 624
	SM18 6210B
Benzene	EPA 624
	SM18 6210B
Chlorobenzene	EPA 624

Purgeable Aromatics	
Chlorobenzene	SM18 6210B
Ethyl benzene	EPA 624
	SM18 6210B
Toluene	EPA 624
	SM18 6210B
Total Xylenes	EPA 624
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA 624
	SM18 6210B
1,1,2,2-Tetrachloroethane	EPA 624
	SM18 6210B
1,1,2-Trichloroethane	EPA 624
	SM18 6210B
1,1-Dichloroethane	EPA 624
	SM18 6210B
1,1-Dichloroethene	EPA 624
	SM18 6210B
1,2-Dichloroethane	EPA 624
	SM18 6210B
1,2-Dichloroethene (total)	EPA 624
	SM18 6210B
1,2-Dichloropropane	EPA 624
	SM18 6210B

Serial No.: 16159

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DOH-3317 (3/97)

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2003
Issued June 25, 2002
Revised July 01, 2002

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. LAXMAN S. DESAI
TOXIKON CORPORATION
15 WIGGINS AVENUE
BEDFORD MA 01730 USA

NY Lab Id No: 10778
EPA Lab Code: MA00064

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Purgeable Halocarbons	
Bromodichloromethane	EPA 624
	SM18 6210B
Bromoform	EPA 624
	SM18 6210B
Bromomethane	EPA 624
	SM18 6210B
Carbon tetrachloride	EPA 624
Chloroethane	EPA 624
	SM18 6210B
Chloroform	EPA 624
	SM18 6210B
Chloromethane	EPA 624
	SM18 6210B
cis-1,3-Dichloropropene	EPA 624
	SM18 6210B
Dibromochloromethane	EPA 624
	SM18 6210B
Methylene chloride	EPA 624
Tetrachloroethene	EPA 624
	SM18 6210B
trans-1,3-Dichloropropene	EPA 624
	SM18 6210B
Trichloroethene	EPA 624
	SM18 6210B
Purgeable Halocarbons	
Vinyl chloride	EPA 624
	SM18 6210B
Residue	
Solids, Total	EPA 160.3
	SM18 2540B
Solids, Total Dissolved	EPA 160.1
	SM18 2540C
Solids, Total Suspended	EPA 160.2
	SM18 2540D
Wastewater Metals I	
Barium, Total	EPA 200.7
	SM18 3120B
Cadmium, Total	EPA 200.7
	EPA 200.9
	SM18 3120B
Calcium, Total	EPA 200.7
Chromium, Total	EPA 200.7
	SM18 3120B
Copper, Total	EPA 200.7
	SM18 3120B
Iron, Total	EPA 200.7
	SM18 3120B
Lead, Total	EPA 200.7

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Wastewater Metals I	
Lead, Total	EPA 200.9
	SM18 3120B
Magnesium, Total	EPA 200.7
	SM18 3120B
Manganese, Total	EPA 200.7
	SM18 3120B
Nickel, Total	EPA 200.7
	SM18 3120B
Potassium, Total	EPA 200.7
	SM18 3120B
Silver, Total	EPA 200.7
	EPA 200.9
	SM18 3120B
Sodium, Total	EPA 200.7
	SM18 3120B
Wastewater Metals II	
Aluminum, Total	EPA 200.7
	SM18 3120B
Antimony, Total	EPA 200.7
	EPA 200.9
	SM18 3120B
Arsenic, Total	EPA 200.7
	EPA 200.9

Wastewater Metals II	
Arsenic, Total	SM18 3120B
Beryllium, Total	EPA 200.7
	SM18 3120B
Mercury, Total	EPA 245.1
	SM18 3112B
Selenium, Total	EPA 200.7
	EPA 270.2
	SM18 3120B
Vanadium, Total	EPA 200.7
	SM18 3120B
Zinc, Total	EPA 200.7
	SM18 3120B
Wastewater Metals III	
Cobalt, Total	EPA 200.7
	SM18 3120B
Molybdenum, Total	EPA 200.7
	SM18 3120B
Thallium, Total	EPA 200.7
	EPA 200.9
	SM18 3120B
Titanium, Total	EPA 200.7
Wastewater Miscellaneous	
Boron, Total	EPA 200.7

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Wastewater Miscellaneous

Boron, Total	SM18 3120B
Color	EPA 110.1
	SM 18/19 2120B
Cyanide, Total	EPA 335.2
	SM18 4500-CN-E
Hydrogen Ion (pH)	EPA 150.1
	SM18 4500-H-B
Oil & Grease Total Recoverabl	EPA 1664-A
	EPA 413.1
	SM18 5520B
Phenols	EPA 420.1
Silica, Dissolved	EPA 370.1
	SM18 4500SiD
Specific Conductance	EPA 120.1
	SM18 2510B
Sulfide (as S)	EPA 376.2
	SM18 4500S D
Surfactant (MBAS)	EPA 425.1
	SM18 5540C

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is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved subcategories and/or analytes are listed below:

Chlorophenoxy Acid Pesticides	
Dicamba	Method Not Specified
Mineral	
Acidity	Method Not Specified
Nutrient	
Nitrite (as N)	EPA 300.0
Purgeable Halocarbons	
2-Chloroethylvinyl ether	Method Not Specified
Dichlorodifluoromethane	Method Not Specified
Trichlorofluoromethane	Method Not Specified
TCLP Additional Compounds	
Cresol	SW-846 8270C
Methylethyl ketone (2-butanon	SW-846 8260B
Pyridine	SW-846 8270C
Wastewater Metals II	
Chromium VI	Method Not Specified
Wastewater Metals III	
Gold, Total	Method Not Specified
Wastewater Miscellaneous	
Corrosivity	Method Not Specified

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All approved analytes are listed below:

Acrolein and Acrylonitrile	
Acrolein	SW-846 8260B
Acrylonitrile	SW-846 8260B
Characteristic Testing	
Ignitability	SW846 1010
Reactivity	SW846 Ch7, Sec. 7.3
TCLP	FED REG 1311
Chlorinated Hydrocarbon Pesticides	
4,4 -DDE	SW-846 8081A
4,4 -DDT	SW-846 8081A
4,4-DDD	SW-846 8081A
Aldrin	SW-846 8081A
alpha-BHC	SW-846 8081A
beta-BHC	SW-846 8081A
Chlordane Total	SW-846 8081A
delta-BHC	SW-846 8081A
Dieldrin	SW-846 8081A
Endosulfan I	SW-846 8081A
Endosulfan II	SW-846 8081A
Endosulfan sulfate	SW-846 8081A
Endrin	SW-846 8081A
Endrin aldehyde	SW-846 8081A
Heptachlor	SW-846 8081A
Heptachlor epoxide	SW-846 8081A

Chlorinated Hydrocarbon Pesticides	
Lindane	SW-846 8081A
Methoxychlor	SW-846 8081A
Toxaphene	SW-846 8081A
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	SW-846 8270C
2-Chloronaphthalene	SW-846 8270C
Hexachlorobenzene	SW-846 8270C
Hexachlorobutadiene	SW-846 8270C
Hexachlorocyclopentadiene	SW-846 8270C
Hexachloroethane	SW-846 8270C
Chlorophenoxy Acid Pesticides	
2,4,5-T	SW846 8151-A
2,4,5-TP (Silvex)	SW846 8151-A
2,4-D	SW846 8151-A
Dicamba	SW-846 8270C
Haloethers	
Bis (2-chloroisopropyl) ether	SW-846 8270C
Bis(2-chloroethoxy)methane	SW-846 8270C
Metals I	
Barium, Total	SW-846 6010B
Cadmium, Total	SW-846 6010B
Chromium, Total	SW-846 6010B

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Metals I	
Lead, Total	SW-846 6010B
Nickel, Total	SW-846 6010B
Silver, Total	SW-846 6010B
Metals II	
Antimony, Total	SW-846 6010B
Arsenic, Total	SW-846 6010B
Selenium, Total	SW-846 6010B
	SW-846 7740
Miscellaneous	
Cyanide, Total	SW-846 9012A
	SW-846 9014
	SW-846 9010B
Hydrogen Ion (pH)	SW-846 9040B
	SW-846 9045C
Sulfide (as S)	SW-846 9030B
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	SW-846 8270C
2,6-Dinitrotoluene	SW-846 8270C
Isophorone	CLP 95-2
Nitrobenzene	SW-846 8270C
Phthalate Esters	
Benzyl butyl phthalate	SW-846 8270C
Phthalate Esters	
Bis(2-ethylhexyl) phthalate	SW-846 8270C
Diethyl phthalate	SW-846 8270C
Dimethyl phthalate	SW-846 8270C
Di-n-butyl phthalate	SW-846 8270C
Di-n-octyl phthalate	SW-846 8270C
Polychlorinated Biphenyls	
PCB-1016	SW-846 8082
PCB-1221	SW-846 8082
PCB-1232	SW-846 8082
PCB-1242	SW-846 8082
PCB-1248	SW-846 8082
PCB-1254	SW-846 8082
PCB-1260	SW-846 8082
Polynuclear Aromatic Hydrocarbons	
Acenaphthene	SW-846 8270C
Acenaphthylene	SW-846 8270C
Anthracene	SW-846 8270C
Benzo(a)anthracene	SW-846 8270C
Benzo(a)pyrene	SW-846 8270C
Benzo(b)fluoranthene	SW-846 8270C
Benzo(ghi)perylene	SW-846 8270C
Chrysene	SW-846 8270C
Dibenzo(a,h)anthracene	SW-846 8270C

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EPA Lab Code: MA00064

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All approved analytes are listed below:

Polynuclear Aromatic Hydrocarbons	
Fluoranthene	SW-846 8270C
Fluorene	SW-846 8270C
Indeno(1,2,3-cd)pyrene	SW-846 8270C
Naphthalene	SW-846 8270C
Phenanthrene	SW-846 8270C
Pyrene	SW-846 8270C
Priority Pollutant Phenols	
2,4,6-Trichlorophenol	SW-846 8270C
2,4-Dichlorophenol	SW-846 8270C
2,4-Dimethylphenol	SW-846 8270C
2,4-Dinitrophenol	SW-846 8270C
2-Chlorophenol	SW-846 8270C
2-Methyl-4,6-dinitrophenol	SW-846 8270C
2-Nitrophenol	SW-846 8270C
4-Chloro-3-methylphenol	SW-846 8270C
4-Nitrophenol	SW-846 8270C
Pentachlorophenol	SW-846 8270C
Phenol	SW-846 8270C
Purgeable Aromatics	
1,2-Dichlorobenzene	SW-846 8260B
1,3-Dichlorobenzene	SW-846 8260B
1,4-Dichlorobenzene	SW-846 8260B

Purgeable Halocarbons	
Bromomethane	SW-846 8260B

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Characteristic Testing	
E.P. Toxicity	Method Not Specified
Metals II	
Chromium VI	SW-846 7196A
Mercury, Total	SW846 7470A
	SW846 7471A
Purgeable Aromatics	
Benzene	SW-846 8260B
Chlorobenzene	SW-846 8260B
Ethyl benzene	SW-846 8260B
Toluene	SW-846 8260B
Total Xylenes	SW-846 8260B
Purgeable Halocarbons	
1,1,1-Trichloroethane	SW-846 8260B
1,1,2,2-Tetrachloroethane	SW-846 8260B
1,1,2-Trichloroethane	SW-846 8260B
1,1-Dichloroethane	SW-846 8260B
1,1-Dichloroethene	SW-846 8260B
1,2-Dichloroethane	SW-846 8260B
1,2-Dichloropropane	SW-846 8260B
2-Chloroethylvinyl ether	SW-846 8260B
Bromodichloromethane	SW-846 8260B
Bromoform	SW-846 8260B
Carbon tetrachloride	SW-846 8260B

Purgeable Halocarbons	
Chloroethane	SW-846 8260B
Chloroform	SW-846 8260B
Chloromethane	SW-846 8260B
cis-1,3-Dichloropropene	Method Not Specified
Dibromochloromethane	SW-846 8260B
Dichlorodifluoromethane	SW-846 8260B
Methylene chloride	SW-846 8260B
Tetrachloroethene	SW-846 8260B
trans-1,3-Dichloropropene	Method Not Specified
Trichloroethene	SW-846 8260B
Trichlorofluoromethane	SW-846 8260B
Vinyl chloride	SW-846 8260B

Serial No.: 16162

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DOH-3317 (3/97)

TOXIKON
15 Wiggins Ave., Bedford, MA 01730
Telephone: (781) 275-3330
Fax: (781) 275-7478

CHAIN OF CUSTODY RECORD

WORK ORDER #: ____-____-____

DUE DATE : ____-____-____

COMPANY: _____

ADDRESS: _____

_____

PHONE #: ( ) _____ FAX #: ( ) _____

P.O. #: _____

PROJECT MANAGER: _____

PROJECT ID/LOCATION: _____

SAMPLE TYPE	CONTAINER TYPE
1. WASTEWATER	P - PLASTIC
2. SOIL	G - GLASS
3. SLUDGE	V - VOA
4. OIL	
5. DRINKING WATER	
6. WATER (GW/MW/SW)	
7. OTHER (SPECIFY	

TOXIKON #	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING DATE	SAMPLING TIME	PRESERVATIVE	ANALYSES	SPECIAL INSTRUCTIONS/ COMMENTS

SAMPLED BY: DATE: - - TIME: - -

RELINQUISHED BY: DATE: - - TIME: - -

RELINQUISHED BY: DATE: - - TIME: - -

METHOD OF SHIPMENT

QUOTATION #:

RECEIVED BY: DATE: - - TIME: - -

RECEIVED FOR LAB BY: DATE: - - TIME: - -

COOLER TEMPERATURE

☐ RUSH ..... BUSINESS DAY TURN AROUND

☐ ROUTINE

Sample disposal information

Are there any other known or suspected contaminants in these samples other than those listed above?

Yes ___ No ___ If Yes, 1st Known _____

APPENDIX I

NYSDEC GUIDANANCE FOR THE DEVELOPMENT OF DATA USABILITY SUMMARY REPORTS (DUSR's)

New York State Department of Environmental Conservation
Division of Environmental Remediation QA Guideline

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 quality assurance staff in the Technology Section, Division of Environmental Remediation. 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 documenting experience in environmental sampling, analysis and data review.

Preparation of a DUSR:

The DUSR is developed by reviewing and evaluating the analytical data package. During the course of this review the following questions must be asked and answered:

1. Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?

2. Have all holding times been met?

3. Do all the QC data: blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

4. Have all of the data been generated using established and agreed upon analytical protocols?

5. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

6. Have the correct data qualifiers been used?

Evaluation of NYSDEC ASP Matrix Spike Blank (MSB) data – If the MSB recovery is less than the ASP criteria, the positive results should be qualified as a J, estimated biased low. If the MSB recovery is less than the ASP criteria, but greater than 10%, the nondetects should be qualified J, biased low. If the MSB recovery is less than 10%, the nondetect data must be rejected.

Any Quality Control exceedances must be numerically specified in the DUSR and the corresponding QC summary sheet from the package should be attached to the DUSR.

All data that would be rejected by the EPA Region 2 Data Validation Guidelines must also be rejected in the DUSR.

Once the data package has been reviewed and the questions given above have been answered, the DUSR proceeds to describe the samples and the analytical parameters. Data deficiencies, analytical protocol deviations, and quality control problems are identified and their effect on the data is discussed. The DUSR shall also include recommendations on resampling and/or reanalysis. All data qualifications must be documented following the latest NYSDEC ASP guidelines.

Contact Tim LeBarron of the Technology Section, Division of Environmental Remediation Quality Assurance Group (518) 402 – 9761, with any questions on the preparation of a DUSR.

August 2001

APPENDIX J

NYSDOH GENERIC COMMUNITY AIR MONITORING PLAN (CAMP)

New York State Department of Health
Generic Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical-specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a **continuous** basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored **continuously** at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. 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, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must 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 readings must be recorded and be available for State (DEC and DOH) personnel to review.

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