

130054

New York State Department of Environmental Conservation
 Division of Hazardous Waste Remediation
 Bureau of Hazardous Site Control
 Additions/Change to Registry Summary of Approvals

Site Name Crown Dykman DEC I.D. Number 130054

Current Classification _____

Activity ☒ Add as Class 2 ☐ Reclassify to _____ ☐ Delist Category _____ ☐ Modify _____

Approvals.

Regional Hazardous Waste Engineer

Yes ☒ No ☐ _____

NYSDOH

Yes ☒ No ☐ _____

DEE

Yes ☒ No ☐ _____

BHSC: a. Investigation Section

Yes ☒ No ☐ _____

b. Site Control Section

Robert J. Marino Date 9/18/92

c. Director

John J. G. B. Date 9/10/92

DHWR Assistant Director

Charles J. Fadden Date 10/15/92

Mailed 12/9/92

• 1992 ~ '93 •

2/14/92

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
REGISTRY SITE CLASSIFICATION DECISION

1. SITE NAME Crown Dykman	2. SITE NO. 130054	3. TOWN/CITY/VILLAGE Glen Cove, Oyster Bay	4. COUNTY Nassau
5. REGION <u>1</u>	6. CLASSIFICATION: CURRENT <u>N/A</u> PROPOSED <u>2</u> MODIFY <u> </u>		
7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)			
a. Quadrangle Sea Cliff	b. Site Latitude 40° 51' 43"	Longitude 73° 38' 23"	c. Tax Map Number Section 31/Block G/Lot 9
8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)			
Crown Dykman, also known as 66 Herhill Road, is situated east of Dickson Lane and west of Charles and New streets. Dykman Laundry and Cleaners occupied the premises from 1932-1975. Thereafter, Crown Uniform Services operated a commercial dry cleaner until 1983 when they went out of business. Later, several businesses including an auto body shop, a laundry and a woodworking operation, occupied the site. The dry cleaner used stoddard solvent then converted to tetrachloroethylene (PCE). Their liquid discharge was vaporized in a cooling tower and waste PCE was removed by disposal firms. No floor drains, cesspools or drywells are located on the property. Five underground tanks (1 gasoline, 4 solvent) were removed in 1990/1991. At that time, a damaged drum labeled "PERK" (PCE) and containing product was also uncovered. a. Area <u>1</u> acre b. EPA ID Number <u> </u> c. Completed () Phase I () Phase II () PSA () RI/FS (XX) Other			
9. HAZARDOUS WASTES DISPOSED Soil samples from the area of the former solvent tanks indicated that PCE (U210) has leaked from these tanks. Trichloroethene and trans-1,2-dichloroethene were also found, but these may have resulted from the decomposition of the PCE. A water sample from the excavation detected vinyl chloride, another PCE derivative.			
10. ANALYTICAL DATA AVAILABLE			
a. () Air (X) Groundwater () Surface Water (X) Soil () Waste () EPTox () TCLP			
b. Contravention of Standards or Guidance Values (2/92):			
	<u>Groundwater(µg/l)</u>	<u>New York State class GA standard(µg/l)</u>	
Tetrachloroethylene	11,000	5	
Trichloroethene	4,000	5	
trans-1,2-Dichloroethene	94	5	
Vinyl Chloride	330	2	
11. JUSTIFICATION FOR CLASSIFICATION DECISION Hazardous waste disposal, via the leakage of buried PCE containers, has been confirmed. The above downgradient well sampling data, indicates that these wastes are contaminating the aquifer and presenting a significant threat.			
12. SITE IMPACT DATA			
a. Nearest surface water: Distance <u>550 ft.</u> Direction <u>South</u> Classification <u>I</u>			
b. Nearest G.W.: Depth <u>5-10 ft.</u> Flow Direction <u>~SSE</u> (X) Sole Source () Primary () Principal			
c. Nearest water supply: Distance <u>1</u> mi. Direction <u>SE</u> Active (X) Yes () No			
d. Nearest building: Distance <u>Adjacent</u> Direction <u>S & W</u> Use <u> </u> Inactive <u> </u>			
e. In State Economic Development Zone? () Y (X) N		i. Controlled site access? () Y () N	
f. Crops or livestock on site? () Y (X) N		j. Exposed hazardous waste? () Y () N	
g. Documented fish or wildlife mortality? () Y (X) N		k. HRS Score <u>N/A</u>	
h. Impact on special status fish or wildlife resource? () Y () N		l. For Class 2: Priority Category <u>I</u>	
13. SITE OWNER'S NAME Maurice Bauer, Herhill Associates	14. ADDRESS 21 Edwards Lane, Glen Cove, NY 11542		15. TELEPHONE NUMBER (516) 671-5395
16. PREPARER <u>Hayden Brewster</u> 7-23-92 Signature Date Hayden Brewster, Environmental Engineer 1, BHSC Name, Title, Organization		17. APPROVED <u>Charles J. Haddad</u> Signature Date <u>Ann + Dir</u> 10/15/92 Name, Title, Organization	



STATE OF NEW YORK DEPARTMENT OF HEALTH

Center for Environmental Health

2 University Place

Albany, New York 12203-3399

Mark R. Chassin, M.D., M.P.P., M.P.H.

Commissioner

Paula Wilson

Executive Deputy Commissioner

OFFICE OF PUBLIC HEALTH

Sue Kelly

Executive Deputy Director

William N. Stasiuk, P.E., Ph.D.

Center Director

August 27, 1992

Mr. Earl Barcomb, P.E.
Division of Hazardous Waste Remediation
NYS Dept. of Environmental Conservation
50 Wolf Road
Albany, New York 12233

RE: Crown Dykman
Site ID #130054
Glen Cove, Nassau County

Dear Mr. Barcomb:

My staff has reviewed the attached Registry Site Classification Decision form for the above referenced site. Based on available information, we concur with the proposal to list the site as a Class 2. Further investigations are warranted and we welcome the opportunity to participate in future remedial activities.

If you should have any questions, please contact Mr. Steven Bates, of my staff, at (518) 458-6305.

Sincerely,

G. Anders Carlson, Ph.D.
Director
Bureau of Environmental Exposure
Investigation

JMO/22270048

Attachment

cc: Mr. S. Bates/Mr. G. Laccetti
Mr. R. Marino - DEC
Mr. A. Candela - DEC, Reg. 1
Mr. J. Schechter - NCHD

NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH
INACTIVE HAZARDOUS WASTE DISPOSAL SITE PRIORITY RANKING WORKSHEET

SITE # 130054 SITE NAME Crown Dykman

- o Priority I - Top priority sites; supersede all others. Priority I can be assigned if any of the following criteria are met:

- a) A sole source or primary aquifer, or a public or private water supply is being contaminated or threatened, or ☒
- b) Human exposure to contaminants has been identified which represents a Significant Health risk as determined by DOH, or ☐
- c) There is a bioaccumulation of site contaminants in flora or fauna which results in a health advisory, or ☐
- d) Site contaminants are at levels that are acutely toxic to fish or wildlife or have caused documented fish or wildlife mortality, or ☐
- e) An expedient response could measurably reduce the threat to health or the environment, reduce the scope of a corrective action, or reduce potential remedial costs. ☐

- o Priority II - Important sites. Priority II can be assigned if any of the following criteria are met:

- a) A Class AA or a Class A surface water body or a principal aquifer is being contaminated or threatened; however, no existing water supply has been contaminated, or ☐
- b) There is a bioaccumulation of site contaminants in flora or fauna which results in advisory or actionable levels but below levels necessitating a health advisory, or ☐
- c) Site contaminants are at levels chronically toxic to fish/wildlife, or ☐
- d) Endangered, threatened or rare species, significant habitats, designated coastal zone areas or regulated wetlands are being impacted by releases from the site, or ☐
- e) The site is identified by the International Joint Commission (IJC) as a component in a Remedial Action Plan (RAP), or ☐
- f) The site is within a State Economic Development Zone or is targeted for local government supported development and the developer has expressed a willingness to enter into a consent order with DEC to finance investigation and remediation. ☐

- o Priority III - General Site Category. Priority III will be assigned unless one or more of the site prioritization criteria, specified above, apply to a site. When resources become available, after remedial needs for Priority I and II sites have been accommodated, remediation of sites under this category can be considered. ☐

COMMENT Tetrachloroethylene (U210) has leaked from an underground cleaning fluid tank. This contaminant as well as its derivatives (Trichloroethene, 1,1,2-dichloroethene and vinyl chloride) have been detected in the aquifer at levels well above background and above their respective NYS class GA standard.

Filled out by (Name) Hayden Brewster Date 7-23-92

DRAFT

SUBJECT TO REVISION
NOT FOR EXTERNAL RELEASE

CLASSIFICATION WORKSHEET

Site: Crown Dykman County: Nassau Region: 1

1. Hazardous waste disposed? ☒ Y (to 2) ☐ N (Stop) ☐ U (Stop)
2. Consequential amount of hazardous waste? ☒ Y (to 3) ☐ N (Stop) ☐ U (to 3)
3. Part 375-1.4(a)(1) applies? ☒ N (to 4) ☐ U (to 4)
- ☐ Y (as checked below; Class 2; to 5)

- | | |
|---|--|
| ☐ a. endangered or threatened species | ☐ d. fish, shellfish, crustacea or wildlife |
| ☐ b. streams, wetlands or coastal zone | ☐ e. fire, spill, explosion or toxic reaction |
| ☐ c. bioaccumulation | ☐ f. proximity to people or water supplies |

4. Part 375-1.4(a)(2) applies? ☐ N (C1 3; Stop) ☐ U (C1 2a; Stop)
- ☒ Y (Class 2; to 5) Groundwater contamination, evidently due to the leakage of tetrachloroethylene from underground cleaning solvent tanks, has been confirmed.

5. Factor(s) considered in making this determination: b) Tetrachloroethylene (PCE) and its derivatives are relatively/highly mobile and are expected to persist for months or years in the soil/groundwater system. (d) The soil consists largely of sand, silt and gravel. (g) Groundwater (P9/1): PCE - 11,000, TCE - 4,000, T-1,2 DCE - 94 vs. a 5.0 NYS class GA standard; Vinyl chloride - 330 vs a 2.0 NYS standard (i) The contaminant plume is believed to be an upgradient source for Li Tungsten (j) The site lies atop a sole source aquifer.

SUMMARY

Consequential Hazardous Waste	☒ Yes	☐ No	☐ Unknown
Significant Threat	☒ Yes	☐ No	☐ Unknown
Proposed Classification	<u>2</u>	Site Number	<u>130054</u>

7/23/92
Date

Hayden Brewster ENVIRONMENTAL ENGINEER I
Signature and Title

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2

REGION: 1

SITE CODE: 130054

EPA ID:

NAME OF SITE : Crown Dykman

STREET ADDRESS: 66 Herhill Road

TOWN/CITY:

Glen Cove/Oyster Bay

COUNTY:

Nassau

ZIP:

11542

SITE TYPE: Open Dump- Structure-X Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 1 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Herhill Associates

CURRENT OWNER ADDRESS.: 21 Edwards Lane, Glen Cove, NY

OWNER(S) DURING USE...: Herhill Associates/Kalmon Dolgin Affil.

OPERATOR DURING USE...: ** Multi - Site Operators **

OPERATOR ADDRESS.....: * * * * *

PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1955 To 1990

SITE DESCRIPTION:

This facility, also known as 66 Herhill Road, is located west of Charles Street and east of Dickson Lane. From 1932 thru 1975, the property was occupied by Dykman Laundry, from 1975 to 1983(when they went out of business) Crown Uniform Services utilized the premises to dry clean and service uniforms. Crown originally used petroleum based stoddard solvent, which was later replaced by tetrachloroethylene(PCE). After Crown Uniform, the property was occupied by a number of businesses, including, F.B. Flipse Auto(an auto bodyshop). The Nassau County Department of Health sampled the pit in June of 1987 and found PCE at 2500ppb; 1,1,1 trichloroethane at 45ppb; toluene at 290ppb; and xylene at 7,600ppb. S&W Laundry, who was involved solely with the washing and pressing of shirts, used the back of the property while Flipse was still on the premises. In 1983, Proyarq 4-5 Inc., a woodworking company that used lacquer thinner, occupied the property. In 1990/1991 four underground solvent tanks and one gasoline tank, as well as a drum labeled "PERK"(PCE) were unearthed. Approximately 30 cubic yards of soil near the gasoline tank and approximately 55cubic yards near the solvent tanks were removed. Soil near the solvent tanks showed PCE at 110ppb; TCE at 40 ppb; and trans 1,2 dichloroethene(-1,2-DCE) at 26ppb. A water sample taken from the excavated pit found vinyl chloride at 60ppb. Three groundwater monitoring wells were installed and sampled in February of 1992. One of the downgradient wells was found to be contaminated with tetrachloroethylene at 11,000 ppb; trichloroethylene at 4,000ppb; trans 1,2 dichloroethylene at 94ppb; and vinyl chloride at 330ppb. Because this site overlies a sole source aquifer, there is concern of groundwater contamination.

TYPE	QUANTITY (units)
-----	-----
Tetrachloroethylene (U210 Waste)	unknown

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater-X Soil-X Sediment-

CONTRAVENTION OF STANDARDS:

Groundwater-X Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE... State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION:

GEOTECHNICAL INFORMATION:

SOIL TYPE: Glacial till consisting of sand, gravel, silt and clay
GROUNDWATER DEPTH: approx. 5 to 10 feet

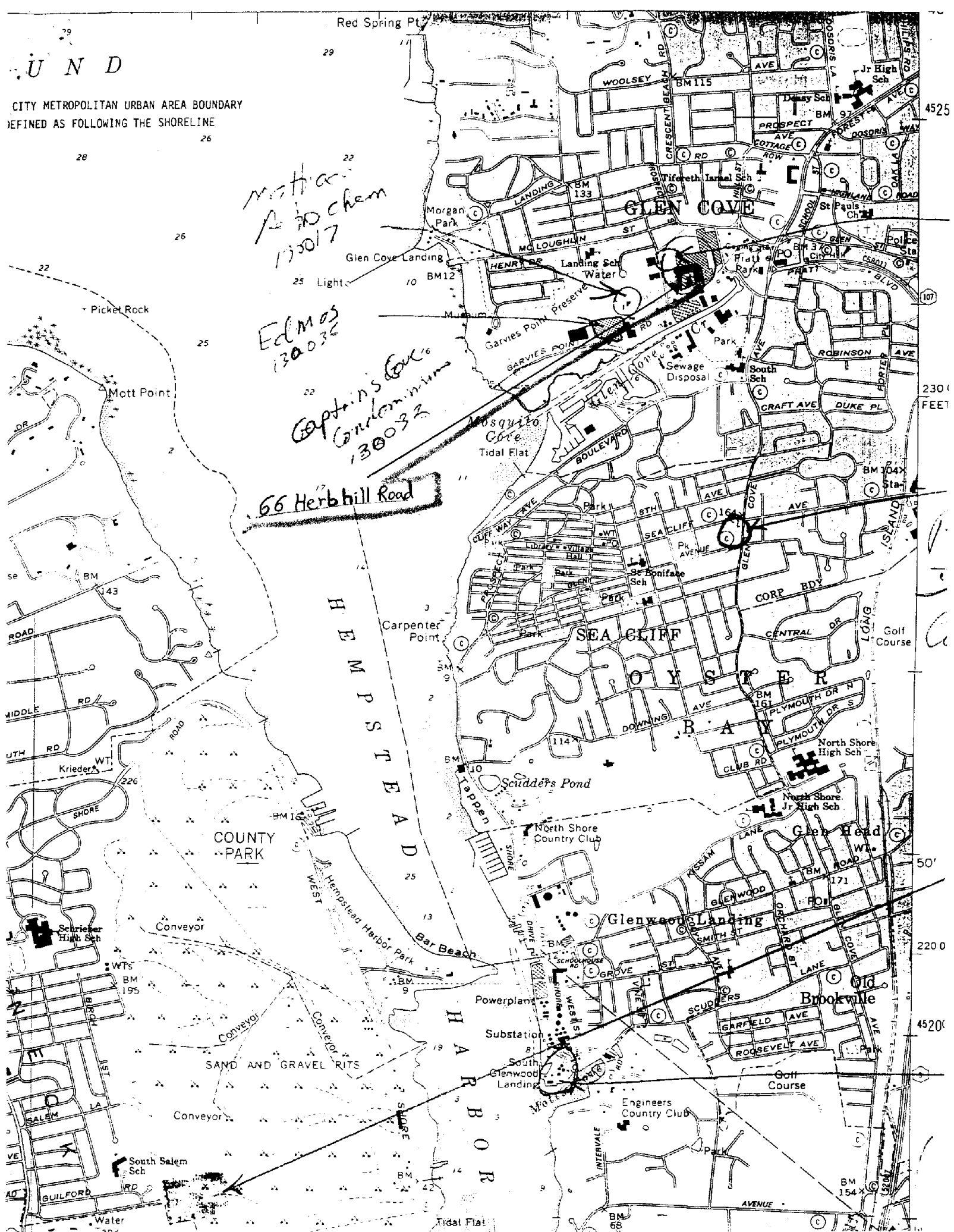
ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

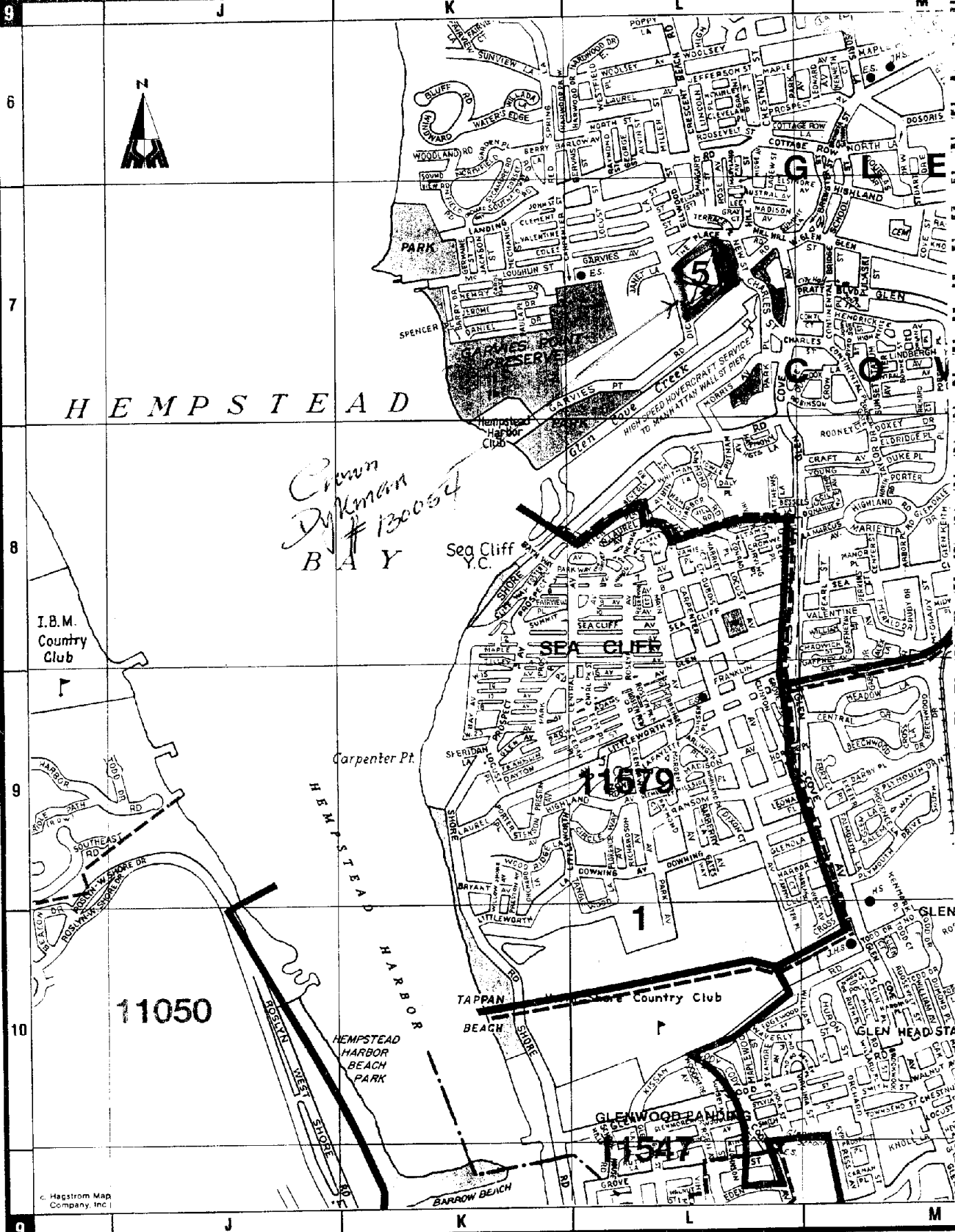
Hazardous wastes have been released and are contaminating the sole source aquifer beneath the site with concentrations exceeding NYS Class GA groundwater standards.

ASSESSMENT OF HEALTH PROBLEMS:

On-site soils are contaminated with volatile organic compounds and petroleum products. The potential exists for contaminants to infiltrate the groundwater. No on-site groundwater samples have been collected to date. Off-site groundwater samples were collected from monitoring wells west of the site. Sample results indicate trichloroethene contamination. The area is served by public water supply system. The current data is insufficient to further characterize the site at this time.

CITY METROPOLITAN URBAN AREA BOUNDARY
DEFINED AS FOLLOWING THE SHORELINE





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I. INTRODUCTION

The subject property, located at 66 Herhill Road in Glen Cove, New York, contained five underground tanks that were no longer in use. During the excavation of the tanks, some soil contamination was found in the vicinity of a buried gasoline tank. While excavating, four petroleum-based solvent tanks at the west side of the building, and a single drum which was labelled "PERK" (tetrachloroethylene) were discovered. Soil samples were obtained from the excavation in the vicinity of the buried gasoline tanks and tested for constituents of gasoline; some soil contamination was found in this area. In addition, soil samples obtained from the excavated area, which formerly contained the solvent tanks, were also found to be contaminated.

The purpose of this work plan is to describe the testing required to determine the extent of subsurface contamination. After the testing is completed and analyzed, remediation will be addressed in detail.

II. SITE DESCRIPTION AND LOCATION

The property is located at the north side of Herhill Road in Glen Cove, New York (see Figure 1). The property is approximately 175 feet by 250 feet in area. Located on the property is a 1-story cinder block and brick building, which provides approximately 13,500 square feet of floor space. A number of vehicles and trucks are stored on site.

The area is highly industrialized; the property is literally surrounded by inactive hazardous waste sites and a Superfund site. Directly south and west of the subject property is Li Tungsten, a notorious Superfund site. North and east of the property is Konica Imaging System. The operations at Konica have been under scrutiny by both the Nassau County Health Department and the New York State Department of Environmental Conservation. The Konica property is listed as a U.S. CERCLIS site by the EPA. The property now occupied by Konica Imaging System was previously owned by Columbia Ribbon & Carbon Manufacturing Company and Powers Chemco. As a result of the operations by Columbia Ribbon, an inactive hazardous waste site has been identified on Charles Street, directly east of the subject property. Southwest of the property, on Garvie's Point Road, are three inactive hazardous waste sites. A survey of the property showing the location of the buried tanks and area of contamination is also included (see Figure 2).

A. Site History

The property was occupied by Dyckman Laundry and Cleaners from 1932 to 1975. From 1975 to 1983 Crown Uniform Rental occupied the property; Crown dry cleaned and serviced uniforms. In 1979 the property was divided. Approximately 6,000 square feet was utilized by Crown Uniform Services. The remainder of the property was occupied by an Auto Body Repair Shop.

In 1983, S & W Laundry occupied the area previously occupied by Crown Uniform Service. The general use of the property, from 1979 to the current time, has been the same: auto repair, auto body shop and commercial laundry.

B. Utilities

The subject property has been connected to the municipal sewer system since 1932. The building is heated by No. 2 fuel oil. The oil-fired boiler also produces hot water and steam for the laundry. Water and electricity are provided by the local utilities.

C. Underground Tanks

The following underground tanks are currently on site and utilized by the tenants at the property:

<u>No.</u>	<u>Capacity</u>	<u>Product</u>	<u>Age (years)</u>
1	8,000 gallon	No. 2 fuel oil tank	15 approx.
1	1,000 gallon	No. 2 fuel oil tank	15 approx.

The following underground tanks have been recently removed:

<u>No.</u>	<u>Capacity</u>	<u>Product</u>	<u>Age (years)</u>
2	2,000 gallon	Stoddard Solvent	40 +
2	500 300 gallon	Stoddard Solvent	40 +
1	1,000 gallon	Gasoline	40 +

All of the above tanks were abandoned in 1960. It should also be noted that the Stoddard Solvent is a petroleum-based solvent.

TANK SPECIALISTS

36 Meadow Lane
Glen Cove, New York 11545
(516) 759-9318

INVOICE

No.

TO

HERB HILL ASSOCIATES
21 EDWARDS LANE
GLEN COVE, NY 11542

ATT: MR. MAURICE BAUER

TERMS: NET 30 DAYS

DATE JANUARY 9, 1991	
CUSTOMER ORDER NO.	JOB ORDER NO.
DATE WORK PERFORMED	
JOB SITE 66 HERB HILL RD. GLEN COVE	COUNTY NASS

PAGE 1

DESCRIPTION		AMOUNT	
9/14/90	EXCAVATED AT WEST SIDE OF BUILDING, EXPOSED (1) 2000 GALLON TANK AND (2) 550 GALLON TANKS, STOCKED PILED SOIL. NASSAU COUNTY HEALTH DEPT. ON SITE TOOK SAMPLES OF SOIL. EXCAVATED NORTH EAST CORNER OF BUILDING, EXPOSED TOP OF 1000 GALLON GASOLINE TANK. N.C.H.D. - TOM NORRIS D.E.C. - TIM WALSH		
9/18/90	*PUMPED OUT GASOLINE TANK. EXCAVATED, REMOVED AND DISPOSED OF (1) 1000 GALLON GASOLINE TANK. STOCK PILED APPROXIMATE 25 - 30 CUBIC YARDS OF CONTAMINATED SOIL AS PER D.E.C. INSPECTOR, TIM WALSH. (1) D.O.T. DRUM OF SLUDGE. *REMOVED SAMPLES FROM SOLVENT TANKS AT WEST SIDE OF BUILDING FOR ANALYSIS.		
1/30/90	REMOVED AND DISPOSED OF CONTENTS OF TANKS AT WEST END OF BUILDING, LOCATED ADDITIONAL 2000 GALLON TANK. TOTAL GALLONS DISPOSED OF 3500 GALLONS. REMOVED AND DISPOSED OF (2) 2000 GALLON TANKS AND (2) 550 GALLON TANKS. (3) D.O.T. DRUMS OF SLUDGE. STOCK PILED APPROXIMATE 50 - 60 CUBIC YARDS OF CONTAMINATED SOIL AS PER N.C.H.D. INSPECTOR, STEVE. EXCAVATED (1) DRUM LABELED PERK, CONTENTS UNKNOWN.		
1/9/91	PUMPED AND DISPOSED OF WATER IN EXCAVATED AREA. BACKFILLED EXCAVATION WITH SOILS WHICH WERE EXCAVATED IN TANK REMOVAL PROCESS. TANK REMOVALS (2) 2000 GALLONS SOLVENT (2) 550 GALLONS SOLVENT (1) 1000 GALLONS GASOLINE..... LAB ANALYSIS - TANK CONTENTS.....	\$4,204 \$ 750	00 00

1.5% INTEREST IF NOT PAID WITHIN 30 DAYS

D. Current Operations

Currently, approximately 6,000 square feet are occupied by S & W Commercial Laundry. S & W is involved solely with the washing and pressing of shirts. No dry cleaning is performed at the subject property.

The laundry operations do not involve the use or storage of hazardous or toxic waste. The only products stored on site are detergents, powdered bleach and starch. All wash water is discharged to the municipal sewer.

The body shop occupies approximately 5,500 square feet. Approximately 2,000 square feet is common space. The shop area contains a spray paint booth, and a work area, where repairs are made to auto bodies. The body shop uses paints and primers, as well as solvents. Stored on site are between 10 to 15 five-gallon cans of paint and pigments. Solvents are stored in five- and one-gallon cans. All residuals are disposed of by a commercial carter and are recycled.

There are no floor drains in the building, nor are there any cesspools or dry wells located on the property.

III. SITE HYDROGEOLOGY

The groundwater flow in the vicinity of the subject property is generally south, southeast. The groundwater depth is estimated to be between 5 and 10 feet below surface grade level. Soils and unconsolidated glacial sediments consisting primarily of sand, gravel with intermittent layers of silt and clay underlie this area. The upper glacial aquifer underlies this area. Due to the unknown occurrences of these clay and silt layers within this aquifer the site specific groundwater flow direction is unknown.

IV. REVIEW OF NEW YORK STATE DEC SPILL LOGS

The following is a list of spills that have occurred at the subject property and the adjacent property. It was obtained from the NYSDEC spill logs for Region 1.

<u>Spill #</u>	<u>Date</u>	<u>Material</u>	<u>Cause</u>	<u>Status</u>
8704541	9/1/87	unknown	human error	closed
8902754	6/16/89	#2 fuel	traffic accident	closed
*9006563	9/14/90	solvent	tank failure	open
8600654	4/25/86	unknown	unknown	closed
*8701730	6/1/87	unknown	dumping	closed
9008151	10/25/90	diesel oil	tank test failure	closed
8810077	3/29/89	unknown	unknown	closed

*occurred at the subject property

The NYSDEC spill logs for Region 1 indicates that two spills occurred at the subject property. One occurred on September 14, 1990 involving the excavation of the tank on the subject property. This spill file is still open and is being addressed by the proposed investigation.

A spill was reported in 1987, resulting from the dumping of unknown material at the subject property; this spill file is currently closed.

Spill #9008151, occurred at the Konica site and resulted from the failure of a tank test performed on diesel fuel.

V. PAST REMEDIATION

Between September 14, 1990 and January 9, 1991 Tank Specialists of Glen Cove, New York removed the four buried solvent tanks, as well as the 1,000-gallon abandoned gasoline tank. In addition, approximately 2,500 gallons of non-hazardous liquid were removed from the solvent tanks, as well as a non-specific amount of non-hazardous liquid from the abandoned gasoline tank (see Appendix A, Tank Specialists records and lab reports).

Approximately 25 to 30 yards of contaminated soils were excavated from the area that contained the buried gasoline tank, and piled on site. Nassau County Health Department obtained soil samples from areas where the tanks (both gasoline and solvent) were previously located. Laboratory analysis of these soil samples indicated the soils from the gasoline tank excavation were contaminated by constituents of gasoline. The soil samples initially obtained from the area of the solvent tank excavation by Nassau County Health Department were free of contamination (see Appendix B). However, recent testing of the soils in this area by EEA indicated that soil contamination exists (see below).

VI. RESULTS OF RECENT TESTING AT THE
SUBJECT PROPERTY

A. OVA Testing

Soils in the area, which contained the buried gasoline tanks, were tested on July 15, 1992. The soils in the previously excavated areas were tested in the field with an Organic Vapor Analyzer -- Foxboro Century 128 Gas Analyzer (OVA).

Samples of the soil were placed in an eight-ounce jar to the half-way point. The jar was then sealed and shaken to allow any trapped vapor within the pore space to occupy the head space in the jar. The jars were then placed in the path of vehicle heater vents for at least 10 minutes. The jar cover was slit, and the headspace gas injected directly into the intake of the OVA prob for a reading of the total non-methane organic vapor concentration. The locations are shown in Figure 3. The OVA readings were as follows:

OVA Reading

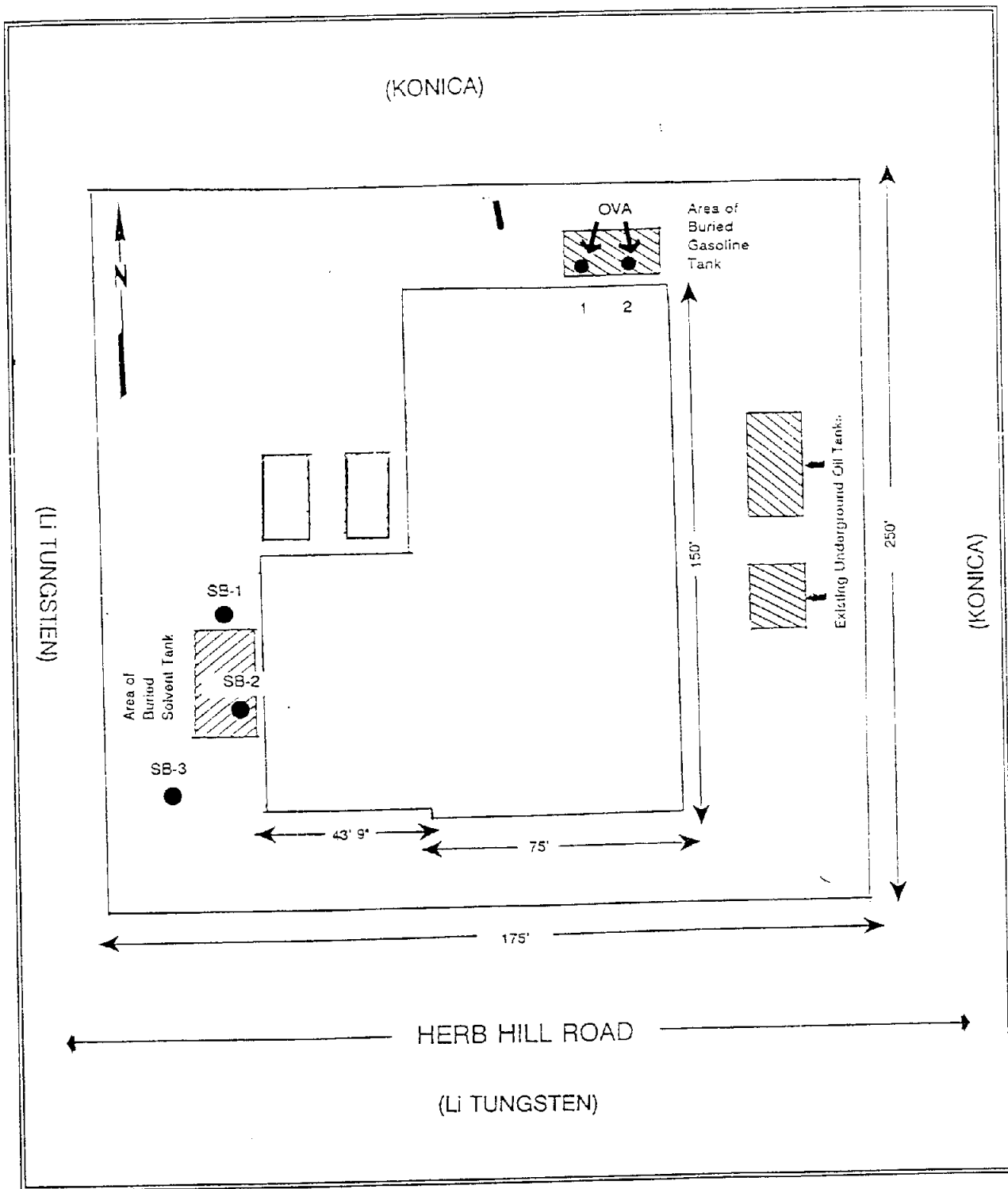
Location 1 - 80 ppm
Location 2 - 140 ppm

B. Soil and Water Testing (Area of Buried Solvent Tanks)

Three soil samples and one water sample were obtained from the area that contained the buried solvent tank. The laboratory data sheets are enclosed in Appendix C, and the results are tabulated below.

Compounds Detected (ppb)

<u>Boring I.D.</u>	<u>Depth</u>	<u>Compounds</u>
SB-1	3 ft.	t-1,2 Dichloroethene (26) Trichloroethene (40) Tetrachloroethene (110) Ethyl Benzene (61) Total o Xylene (370) Petrol. Hydrocarbons (220 ppm) *
SB-2	3 ft.	Ethyl Benzene (20) Total Xylene (250) Petroleum Hydrocarbons (240)
SB-3	3 ft.	Petroleum Hydrocarbons (37 ppm) *



Plot Plan of Property
(not drawn to scale)

Figure 1

130046

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C912516/1

07/29/91

Energy & Environmental Analysts, Inc.
55 Hilton Ave.

Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Pond, #91718

COLLECTED BY: Client DATE COL'D: 07/15/91 RECEIVED: 07/15/91

SAMPLE: Soil sample, SB-1, 3 ft., 9:15 am

ANALYTICAL PARAMETERS

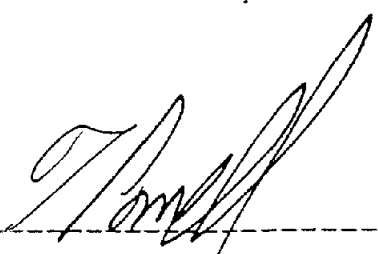
Chloromethane	ug/Kg	<20
Vinyl Chloride	ug/Kg	<20
Bromomethane	ug/Kg	<20
Chloroethane	ug/Kg	<20
Trichlorofluomethane	ug/Kg	<20
1,1 Dichloroethene	ug/Kg	<20
Methylene Chloride	ug/Kg	<20
1,1,2-Dichloroethene	ug/Kg	25
1,1 Dichloroethane	ug/Kg	<20
Chloroform	ug/Kg	<20
1,1,1 Trichloroethane	ug/Kg	<20
Carbon Tetrachloride	ug/Kg	<20
Benzene	ug/Kg	<20
1,2 Dichloroethane	ug/Kg	<20
Trichloroethene	ug/Kg	40
1,2 Dichloropropane	ug/Kg	<20
Bromodichloromethane	ug/Kg	<20
2-chloroethvinylether	ug/Kg	<20
1,3 Dichloropropene	ug/Kg	<20
Toluene	ug/Kg	<20
1,3 Dichloropropene	ug/Kg	<20
1,1,2 Trichloroethane	ug/Kg	<20
Tetrachloroethene	ug/Kg	110
Chlorodibromomethane	ug/Kg	<20
Chlorobenzene	ug/Kg	<20

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/Kg	61
m + p Xylene	ug/Kg	140
o Xylene	ug/Kg	230
Bromoform	ug/Kg	<20
1,1,2,2-Tetrachloroethane	ug/Kg	<20
m Dichlorobenzene	ug/Kg	<20
p Dichlorobenzene	ug/Kg	<20
o Dichlorobenzene	ug/Kg	<20
Petrol. Hydrocarbons	mg/Kg	220

cc:

REMARKS: Analysis performed by EPA method 8240.

DIRECTOR 

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C912516/2

07/29/91

Energy & Environmental Analysts, Inc.
55 Hilton Ave.

Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Pond, #91718

COLLECTED BY: Client DATE COL'D: 07/15/91 RECEIVED: 07/15/91

SAMPLE: Soil sample, SB-2, 3 ft., 9:30 am

ANALYTICAL PARAMETERS

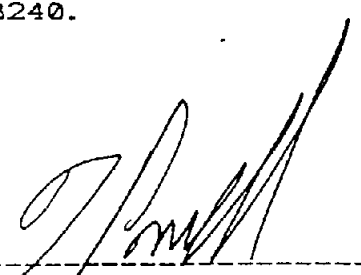
Chloromethane	ug/Kg	<20
Vinyl Chloride	ug/Kg	<20
Bromomethane	ug/Kg	<20
Chloroethane	ug/Kg	<20
Trichlorofluomethane	ug/Kg	<20
11 Dichloroethene	ug/Kg	<20
Methylene Chloride	ug/Kg	<20
t-1,2-Dichloroethene	ug/Kg	<20
11 Dichloroethane	ug/Kg	<20
Chloroform	ug/Kg	<20
111 Trichloroethane	ug/Kg	<20
Carbon Tetrachloride	ug/Kg	<20
Benzene	ug/Kg	<20
12 Dichloroethane	ug/Kg	<20
Trichloroethene	ug/Kg	<20
12 Dichloropropane	ug/Kg	<20
Bromodichloromethane	ug/Kg	<20
2chloroethvinylether	ug/Kg	<20
t 13 Dichloropropene	ug/Kg	<20
Toluene	ug/Kg	<20
c 13 Dichloropropene	ug/Kg	<20
112 Trichloroethane	ug/Kg	<20
Tetrachloroethene	ug/Kg	<20
Chlorodibromomethane	ug/Kg	<20
Chlorobenzene	ug/Kg	<20

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/Kg	20
m + p Xylene	ug/Kg	110
o Xylene	ug/Kg	140
Bromoform	ug/Kg	<20
1122Tetrachloroethan	ug/Kg	<20
m Dichlorobenzene	ug/Kg	<20
p Dichlorobenzene	ug/Kg	<20
o Dichlorobenzene	ug/Kg	<20
Petrol. Hydrocarbons	mg/Kg	240

cc:

REMARKS: Analysis performed by EPA method 8240.

DIRECTOR _____


377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C912S16/3

07/29/91

Energy & Environmental Analysts, Inc.
55 Hilton Ave.

Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Pond, #91718

COLLECTED BY: Client

DATE COL'D: 07/15/91 RECEIVED: 07/15/91

SAMPLE: Soil sample, SB-3, 3 ft., 9:45 am

ANALYTICAL PARAMETERS

Chloromethane	ug/Kg	<20
Vinyl Chloride	ug/Kg	<20
Bromomethane	ug/Kg	<20
Chloroethane	ug/Kg	<20
Trichlorofluomethane	ug/Kg	<20
11 Dichloroethene	ug/Kg	<20
Methylene Chloride	ug/Kg	<20
t-1,2-Dichloroethene	ug/Kg	<20
11 Dichloroethane	ug/Kg	<20
Chloroform	ug/Kg	<20
111 Trichloroethane	ug/Kg	<20
Carbon Tetrachloride	ug/Kg	<20
Benzene	ug/Kg	<20
12 Dichloroethane	ug/Kg	<20
Trichloroethene	ug/Kg	<20
12 Dichloropropane	ug/Kg	<20
Bromodichloromethane	ug/Kg	<20
2chloroethvinylether	ug/Kg	<20
t 13 Dichloropropene	ug/Kg	<20
Toluene	ug/Kg	<20
c 13 Dichloropropene	ug/Kg	<20
112 Trichloroethane	ug/Kg	<20
Tetrachloroethene	ug/Kg	<20
Chlorodibromomethane	ug/Kg	<20
Chlorobenzene	ug/Kg	<20

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/Kg	<20
m + p Xylene	ug/Kg	<20
o Xylene	ug/Kg	<20
Bromoform	ug/Kg	<20
1122Tetrachloroethan	ug/Kg	<20
m Dichlorobenzene	ug/Kg	<20
p Dichlorobenzene	ug/Kg	<20
o Dichlorobenzene	ug/Kg	<20
Petrol. Hydrocarbons	mg/Kg	37

cc:

REMARKS: Analysis performed by EPA method 8240.

DIRECTOR _____

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C912516/4

07/29/91

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Pond, #91718
COLLECTED BY: Client DATE COL'D: 07/15/91 RECEIVED: 07/15/91

SAMPLE: Water sample, GW-1, 11:00

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<5
Bromomethane	ug/L	<5
Dichlorodifluomethane	ug/L	<10
Vinyl Chloride	ug/L	60
Chloroethane	ug/L	<5
Methylene Chloride	ug/L	<5
Trichlorofluomethane	ug/L	<10
11 Dichloroethene	ug/L	<5
11 Dichloroethane	ug/L	<5
12 Dichloroethene	ug/L	650
Chloroform	ug/L	<5
12 Dichloroethane	ug/L	<5
111 Trichloroethane	ug/L	<5
Carbon Tetrachloride	ug/L	<5
Bromodichloromethane	ug/L	<5
12 Dichloropropane	ug/L	<5
t 13 Dichloropropene	ug/L	<10
Trichloroethylene	ug/L	<5
Chlorodibromomethane	ug/L	<10
112 Trichloroethane	ug/L	<10
c 13 Dichloropropene	ug/L	<10
2chloroethvinylether	ug/L	<10
Bromoform	ug/L	<10
1122Tetrachloroethan	ug/L	<10
Tetrachloroethene	ug/L	<5

ANALYTICAL PARAMETERS

Chlorobenzene	ug/L	<10
13 Dichlorobenzene	ug/L	<10
12 Dichlorobenzene	ug/L	<10
14 Dichlorobenzene	ug/L	<10
Benzene	ug/L	<5
Toluene	ug/L	<10
Ethyl Benzene	ug/L	<5
m Xylene	ug/L	<10
o+p Xylene	ug/L	<20

CC:

REMARKS:

DIRECTOR _____

rn=

11074

NYSDOH ID# 10320

March 18, 1992

Mr. Joseph Haas
Engineering Geologist
New York State Department
of Environmental Conservation
SUNY, Bldg. No. 40
Stony Brook, New York 11794

Re: Spill No. 90-06563
66 Herbhill Road
Glen Cove, New York

RECEIVED

MAR 25 1992

REG. 1
746-4400

Dear Mr. Haas:

Three monitoring wells were installed at the subject property. The wells were installed as specified in EEA's revised work plan (act 1991) on February 11, 1992. The wells were developed and sampled on February 20, 1992. The Groundwater Sampling Data Sheets and the Monitoring Well Construction Information Sheets are presented in each for each monitoring well.

Water samples were obtained from each well. The results of the analysis are presented below and in the Laboratory Data Sheets and the Chain of Custody.

<u>Compounds Detected in Monitoring</u>	<u>MW-1</u>	<u>MW-2</u>	<u>MW-3</u>
Vinyl chloride	330	--	--
T-1,2 dichlorethene	94	--	--
Trichloroethene	4,000	--	--
Tetrachloroethene	11,000	71	2
O-xylene	4	--	--
Choroform	--	7*	--

A Field Blank and Duplicate Sample at MW-1 was also collected and analyzed. Choroform was present in the Field Blank.

The results of the laboratory analysis indicate that groundwater contamination has occurred due to the buried cleaning fluid tanks that were excavated and removed from the property in November of 1990.

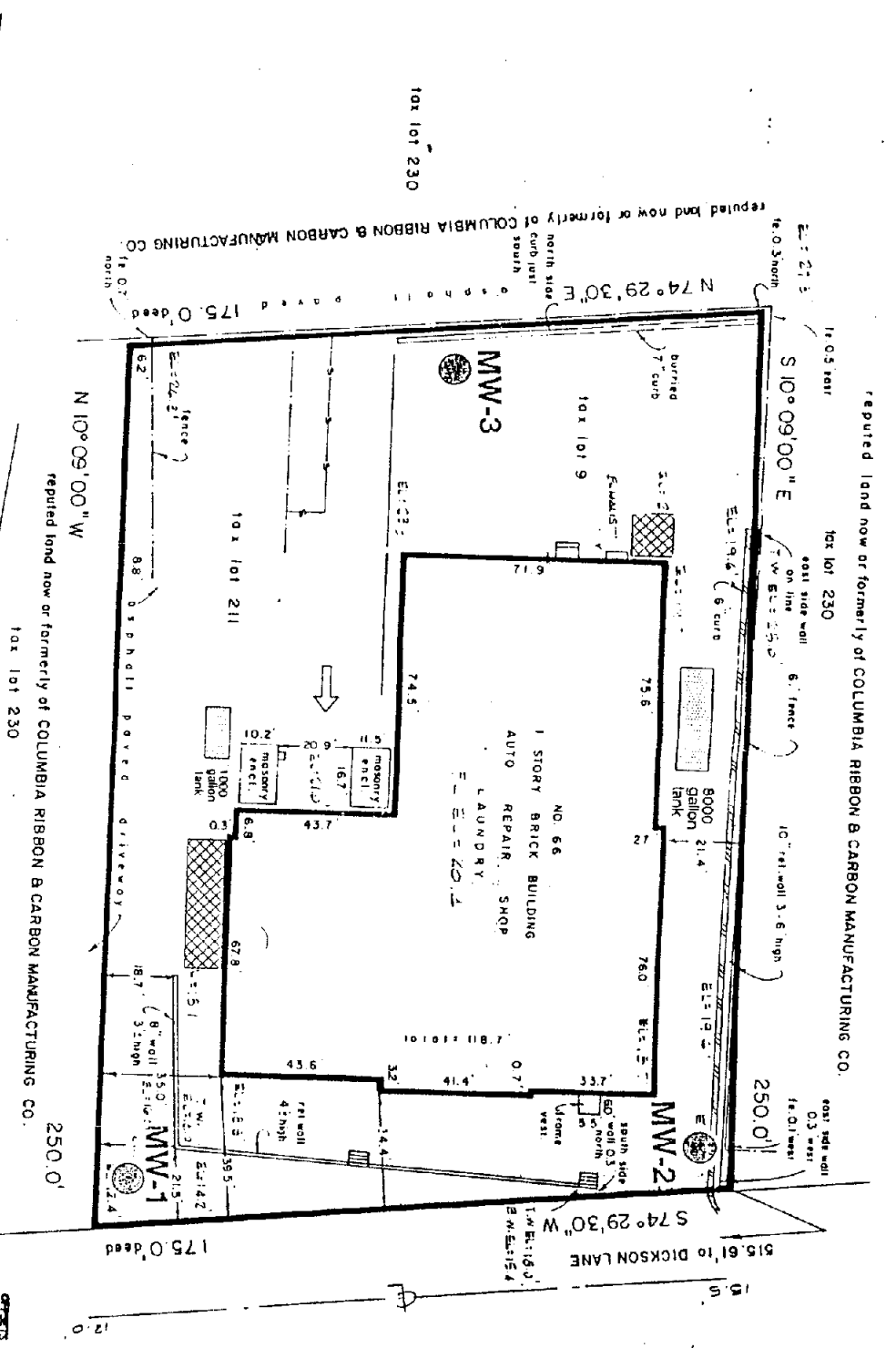
FE=FENCE, PW=PARTY WALL, R.O.=ROOF OVER, C.E.=CELLAR ENTRANCE, O.H.=OVERHANG

MAP OF PROPERTY
BLOCK AS SHOWN
LOCATION GLEN COVE, NASSAU COUNTY, NEW YORK
CERTIFIED ONLY TO
DATE 9-27-91
NOT RESPONSIBLE FOR EASEMENTS AND SURFACE CONDITIONS OTHER THAN SHOWN

DICKSON STREET
DICKSON LANE
N 10° 09' 00" W
250.0'

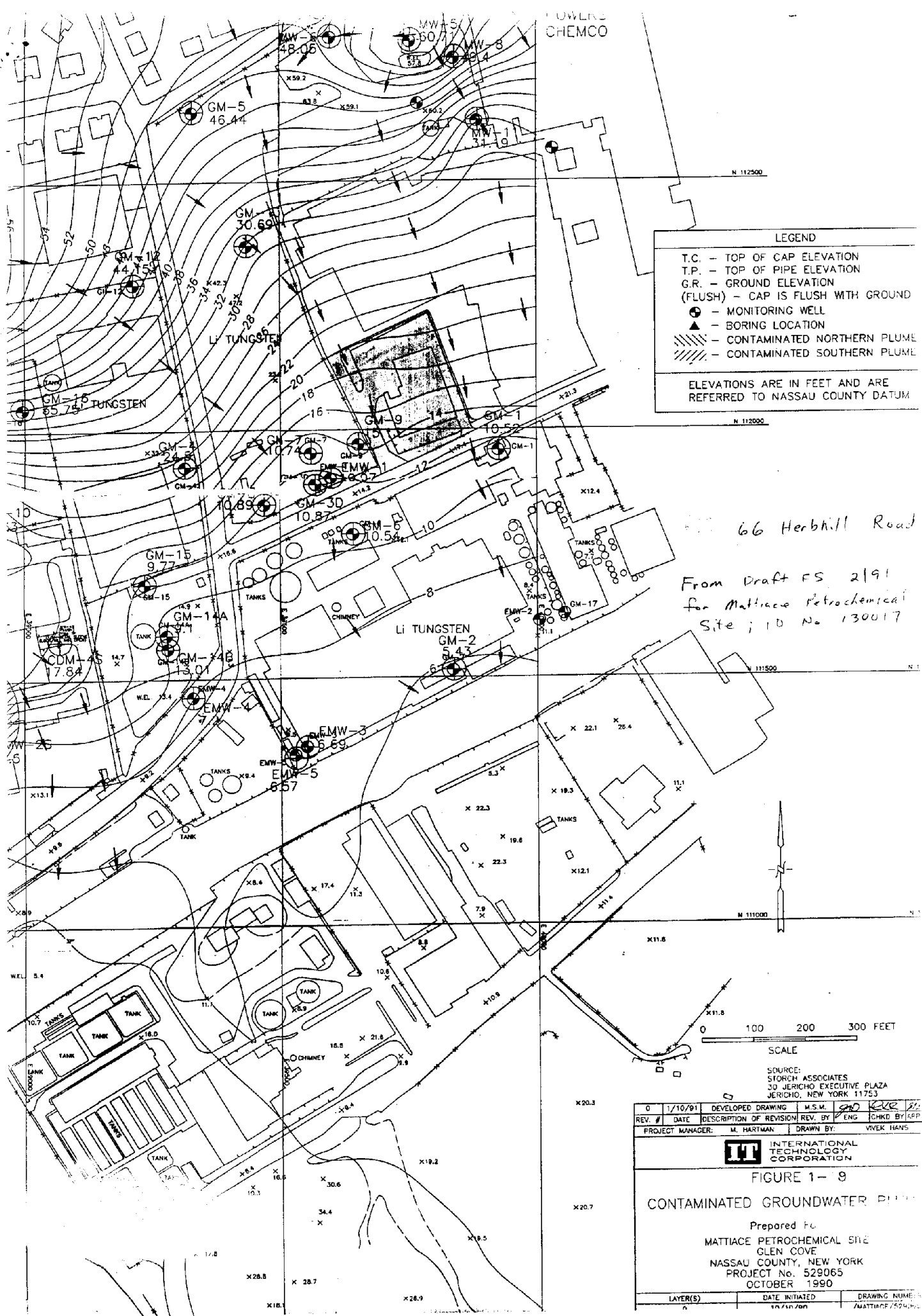
LAND SURVEYOR
GARDEN CITY PARK, N.Y.
N.Y.S. LIC. NO. 45017
Johann P. Ferrante
STATE OF NEW YORK
Johann P. Ferrante
LICENSED LAND SURVEYOR
No. 1000
GARDEN CITY PARK, N.Y.

OFFSETS & DIMENSIONS SHOWN ARE TO BE USED FOR THE REMOVAL, RELOCATION OR LAYOUT OF FENCES, HEAVY, DRAIN WALLS OR ANY STRUCTURE



HERB HILL ROAD
GARNEYS POINT ROAD

LOWERS
CHEMCO



377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920632/1

03/06/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Associates, Project No. 91718
COLLECTED BY: Client DATE COL'D: 02/20/92 RECEIVED: 02/21/92

SAMPLE: Water sample, MW-1, 11:30 am

ANALYTICAL PARAMETERS

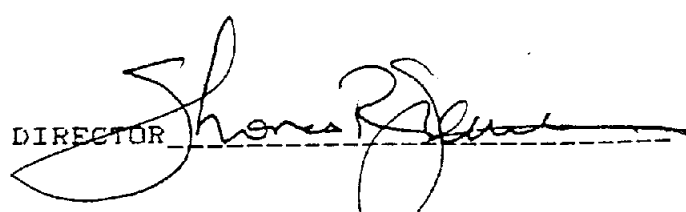
Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	330
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	94
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	4000
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	11000
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	4
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR 

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C920632/4

03/06/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530

ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Herb Hill Associates, Project No. 91718
COLLECTED BY: Client DATE COL'D: 02/20/92 RECEIVED: 02/21/92

SAMPLE: Water sample, MW-2, 11:45 am

ANALYTICAL PARAMETERS

Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	7
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	<1
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	71
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS

Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR 