130066 130066

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

130066

Site Name RAILROAD DRIVE-IN CLEANERS DEC I.D. Number ~~130510~~

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			Date 6/22/92
c. Director			Date 7/13/92
DHWR Assistant Director			Date 7/13/92

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wait for 3/17/93 For Proposed Class 2a Sites Only:

Anticipated Action: _____

_____

By Whom: _____

Time Frame: _____

Adjacent property owner letters Sent 4/13/93

2/14/92

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

1. SITE NAME	2. SITE NO.	3. TOWN/CITY/VILLAGE	4. COUNTY
Railroad Drive-In Cleaners	130066	Oceanside / Hempstead	Nassau

5. REGION _1__ **6. CLASSIFICATION:** CURRENT _N/A PROPOSED _2__ MODIFY ____

7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)

a. Quadrangle	b. Site Latitude	Longitude	c. Tax Map Number
Lynbrook	40° 37' 59"	73° 39' 16"	Section 43/Block 209/Lot 37

8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)
This site is a dry cleaner located on Lawson Blvd. just south of the Long Island Railroad Oceanside station. An underground #2 fuel oil tank previously located in the rear of the building was removed in July 1988, and the Nassau County Department of Health discovered an unpermitted discharge. Upon sampling of the soil and groundwater tetrachloroethylene (PCE) and BTX contamination was revealed.

a. Area __0.092___ acres b. EPA ID Number _____

c. Completed ( ) Phase I ( ) Phase II ( ) PSA ( ) RI/FS (XX) Other

9. HAZARDOUS WASTES DISPOSED
Tetrachloroethylene (F002) contamination was confirmed via soil and groundwater sampling. In 1989 PCE was found at a level of 1,100,000 ppb in soil 4 feet below grade.

10. ANALYTICAL DATA AVAILABLE

a. ( )Air (X)Groundwater ( )Surface Water (X)Soil ( )Waste ( )EPTox ( )TCLP

b. Contravention of Standards or Guidance Values

	Groundwater(µg/l)	NYS Class GA Standard(µg/l)
Tetrachloroethylene	28,000 {3/90}	5

11. JUSTIFICATION FOR CLASSIFICATION DECISION
PCE has been found at a significantly lower level (91 µ/l) in the upgradient groundwater well than the downgradient concentration mentioned above, indicating a release of hazardous waste to this sole source aquifer, at a concentration greatly exceeding the New York State class GA standard.

12. SITE IMPACT DATA

a. Nearest surface water: Distance _____ft. Direction _____ Classification _____
b. Nearest G.W.: Depth __2__ft. Flow Direction _West (X)Sole Source ( )Primary ( )Principal
c. Nearest water supply: Distance _1.5_mi. Direction _North Active (X)Yes ( ) No
d. Nearest building: Distance _Adjacent Direction _South Use _____Laundry Machinery_____
e. In State Economic Development Zone? ( )Y (X)N
f. Crops or livestock on site? ( )Y (X)N
g. Documented fish or wildlife mortality? ( )Y (X)N
h. Impact on special status fish or wildlife resource? ( )Y (X)N
i. Controlled site access? ( )Y (X)N
j. Exposed hazardous waste? ( )Y (X)N
k. HRS Score _____
l. For Class 2: Priority Category _I_

13. SITE OWNER'S NAME	14. ADDRESS	15. TELEPHONE NUMBER
Mr. Elliot Gitlin	3180 Lawson Blvd., Oceanside, NY 11752	

16. PREPARER

Hayden Brewster 4-29-92
Signature Date

Hayden Brewster, Environmental Engr. 1, NYSDEC
Name, Title, Organization

17. APPROVED

[signature] 7/13/92
Signature Date

Acting Dir, DHWR
Name, Title, Organization

STATE OF NEW YORK
DEPARTMENT OF HEALTH

Center for Environmental Health 2 University Place Albany, New York 12203-3399

Lorna McBarnette
Executive Deputy Commissioner

OFFICE OF PUBLIC HEALTH
Sue Kelly
Executive Deputy Director
William N. Stasiuk, P.E., Ph.D.
Center Director

June 2, 1992

Mr. Earl Barcomb, P.E., Director
Bureau of Hazardous Site Control
NYS Department of Environmental Conservation
50 Wolf Road, Room 220
Albany, New York 12233

RE: **Addition to Registry**
Railroad Drive-In Cleaners
(T) Hempstead, Nassau County
130510

Dear Mr. Barcomb:

My staff has reviewed the listing package for the Railroad Drive-In Cleaners in the hamlet of Oceanside, Town of Hempstead, Nassau County. The listing package indicates that hazardous waste was disposed of on-site and therefore I concur that the site should be added to the New York State registry of inactive hazardous waste disposal sites.

Groundwater underneath the site has been determined to be contaminated with tetrachloroethene in excess of drinking water standards. The site overlies the Upper Glacial and Magothy Aquifers which are the sole source of drinking water for the residents of Long Island.

Mr. Steven Bates of my staff is the technical contact for the site. We look forward to participating in the on-going investigation and remediation at the site. Please contact Mr. Bates at 458-6305 if you have any questions.

Sincerely,

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

gjl/92147PRO0893

cc: Mr. Bates
Mr. Miles
Ms. Lutzker, NCHD
Mr. Candela, DEC Reg. 1
Mr. Ervolina, DEC

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

SITE # 130066 SITE NAME Railroad Drive-In Cleaners

- **Priority I** - Top priority sites; supersede all others. Priority I can be assigned if any of the following criteria is met: [X]

  a) A sole source or primary aquifer, or a public or private water supply is being contaminated or threatened, or [X]

  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. [ ]

- **Priority II** - Important sites. Priority II can be assigned if any of the following criteria is 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. [ ]

- **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 Analysis of the groundwater beneath the site confirms the presence of tetrachloroethylene (C_2Cl_4) at a concentration well above the New York State Class GA standard and significantly above background levels.

Filled out by (Name): Hayden Brewster Date: 4-29-92

DRAFT

SUBJECT TO REVISION
NOT FOR EXTERNAL RELEASE

CLASSIFICATION WORKSHEET

Site: RAILROAD DRIVE-IN CLEANERS 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
☐ b. streams, wetlands or coastal zone
☐ c. bioaccumulation
☐ d. fish, shellfish, crustacea or wildlife
☐ e. fire, spill, explosion or toxic reaction
☐ f. proximity to people or water supplies

4. Part 375-1.4(a)(2) applies? ☐ N (Cl 3; Stop) ☐ U (Cl 2a; Stop)

☒ Y (Class 2; to 5) AN UNPERMITTED DISCHARGE OF TETRACHLOROETHYLENE AT THE REAR OF THE BUILDING HAS RESULTED IN GROUNDWATER CONTAMINATION.

5. Factor(s) considered in making this determination: (b) Tetrachloroethylene (PCE) is relatively mobile in soil-water systems and is resistant to biodegradation. Thus, it may persist for years (or longer). (c) This contaminant was disposed illegally (d) The site is largely underlain by sand and gravel deposits. (g) PCE has been found at a level of 28,000 ppb, which contravenes the 5 ppb NYS class GA (groundwater) standard. (j) This site lies atop a sole source aquifer.

SUMMARY

Consequential Hazardous Waste ☒ Yes ☐ No ☐ Unknown

Significant Threat ☒ Yes ☐ No ☐ Unknown

Proposed Classification 2 Site Number _____

6/25/92
Date

Waydon 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: 130066
EPA ID:

NAME OF SITE : Railroad Dry Cleaners
STREET ADDRESS: 3180 Lawson Blvd.
TOWN/CITY: COUNTY: ZIP:
Oceanside Nassau 11752

SITE TYPE: Open Dump- Structure-X Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: .092 Acres

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: ** Multi - Owner Site **
CURRENT OWNER ADDRESS.: * * * * *
OWNER(S) DURING USE...:
OPERATOR DURING USE...: ** Multi - Site Operators **
OPERATOR ADDRESS.....: * * * * *
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From Unknown To Unknown

SITE DESCRIPTION:
The coordinants are: Latitude: 40 deg 37' 59" Longitude: 73 deg 39' 16"
The site is located at the southwest corner of Weidner Ave. and Lawson Blvd., just south of the Long Island Railroad Oceanside Station. In July of 1988, after the removal of an underground #2 fuel tank in the rear of the building, the Nassau County Department of Health discovered an unpermitted liquid discharge to the soil. Subsequent soil sampling has revealed tetrachloroethylene (PCE) at levels of 1,100ppm and components of fuel oil which had been used for heating. Monitoring wells have been installed by the consultant for the site owners, as part of a remedial investigation. Analysis of the groundwater (3/28/90) has confirmed the release of PCE(28,000ppb) to the aquifer, at a concentration greatly exceeding the NYS class GA standard.

TYPE	QUANTITY (units)
Tetrachloroethylene (PCE)	Unknown

SITE CODE: 130066

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-X Under design- In Progress- Completed-
NATURE OF ACTION: Soil Removal

GEOTECHNICAL INFORMATION:
SOIL TYPE:
GROUNDWATER DEPTH: 2 Feet

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Tetrachloroethylene has been released to the aquifer. Fuel oil constituents such as benzene, toluene, and xylenes, have been found in the soil.

ASSESSMENT OF HEALTH PROBLEMS:

REMEDIAL INVESTIGATION
WORK PLAN

PHASE II

SUBMITTED FOR:

RAILROAD DRIVE-IN CLEANERS

3180 LAWSON BLVD.
OCEANSIDE, NY 11752

PREPARED BY:

RICHARD D. GALLI, P.E., P.C.

52 BROADWAY
GREENLAWN, NY 11740

JULY, 1989

KENNETH L. BROOKS, P.E.

27/1/JH

1.0 BACKGROUND

Railroad Drive-In Cleaners is a dry cleaning establishment operating at 3180 Lawson Blvd. in Oceanside, NY since 1966. The building was constructed in 1963.

On or about June 1988, personnel from OSI Oil Services removed a 550 gallon underground storage tank that had contained #2 fuel oil. This tank was located in the area behind the building as shown on the site plan. Soil from the excavation was moved onto a tarp at the request of NCDH and later placed into drums. This material will be sampled as part of this phase so that proper disposal may be arranged. The excavation was filled in with clean fill. The tank was dismantled by Gershow recycling and disposed of as scrap.

A site inspection conducted by the Nassau County Department of Health (NCDH) on July 6, 1988 indicated the presence of an unpermitted liquid discharge to the soil to the rear of the building. The discharge was discovered during the removal of an underground tank behind the building that had been used for storage of #2 fuel oil used for building heating purposes. Soil removed from around the tank was composited and sampled by Nassau County Dept. of Health personnel on July 6, 1988 as a matter of routine procedure. Results of this sampling later showed the presence of

tetrachloroethylene (2,600 parts per billion), xylenes (590 ppb) ethylbenzene (260 ppb) and toluene (95 ppb).

Inquiries indicate that no sanitary disposal systems or drywells are located on the premises. All discharges are sewered.

2.0 PHASE I RESULTS

Sampling conducted according to the approved Phase I work plan confirmed the presence of the solvents found by Nassau County Department of Health as well as smaller amounts of trichloroethylene. Tetrachloroethylene concentrations ranged form 10 to 1,100,000 ppb. Highest concentrations were found at the sampling locations lying to the South. The strongest concentrations, obtained at location B-4, indicated that the concentration increased with increasing sampling depth.

A copy of the lab report is attached as Appendix A. Phase I and Phase II sampling locations are shown in Drawing 2.

RICHARD D. GALLI, P.E., P.C.
52 BROADWAY, GREENLAWN, N.Y. 11740

(516) 754-0396
FAX: (516) 754-7408

SOILS & GROUNDWATER INVESTIGATION

RAILROAD DRIVE-IN CLEANERS

3180 Lawson Blvd.
Oceanside, NY 11752

Prepared by:

RICHARD D. GALLI, P.E., P.C.

KB:KLB1
88-069-01

5.0 GROUNDWATER QUALITY

On January 31 and March 28, 1990, **RDG** personnel completed the collection of groundwater samples from the three (3) site monitoring wells. The groundwater samples and a field bank were analyzed by a New York State certified laboratory for volatile organics according to EPA Method 601/602.

All samples were collected using PVC bailers. All bailers were decontaminated in the following manner:

- Alconox detergent wash
- Rinse with potable water
- Rinse with methanol
- Final rinse with distilled water

Contaminants likely to be found as constituents of fuel oil (i.e., toluene, ethylbenzene, and total xylene) were detected at soil boring B-4 at the four foot depth at levels of 210,000 , 42,000 , and 140,000 ppb, respectively. Benzene was found in groundwater on 1/31/90 (MW-3, 126 ppb) and 3/28/90 (6 ppb in MW-1 and 150 ppb in MW-2). The highest concentration of benzene was found in MW-2, the upgradient well. FOIL inquiries have been submitted to evaluate the possibility or likelihood of any contamination reaching the subject site from several of the oil companies operating terminals to the south. These results will be forwarded with appropriate comments when they become available.

Whereas, 1) three calculations yielded generally westerly flow directions; and 2) this general flow direction is consistent with

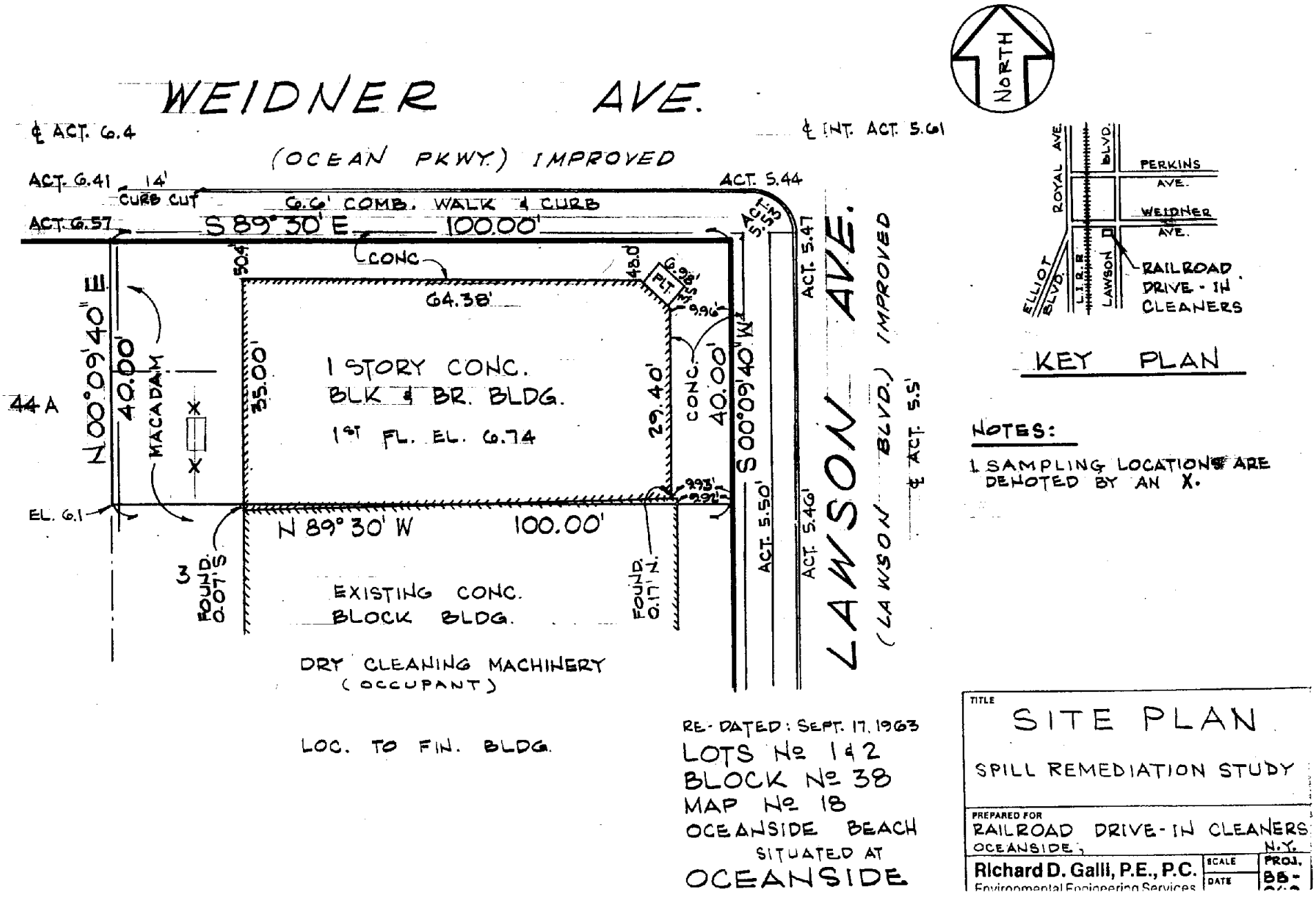
that expected when local geography is considered; and 3) the highest concentration was found in the well placed at the former tank location, we are taking the representative flow direction to be to the west. Thus, MW-2 serves as the upgradient well and well MW-1 appears to be placed slightly laterally. MW-3 appears to be located centrally within an area of contamination.

The volatile organic analyses indicate that tetrachloroethylene was found in wells MW-2 and MW-3 at levels in excess of any likely background level.

6.0 CONCLUSIONS

Based on the environmental investigation completed at the subject site, **RDG** has come to the following conclusions:

- The Phase I investigation identified contamination of the soil in the immediate vicinity of the former fuel oil storage tank in the rear with tetrachloroethylene and fuel oil components.
- Groundwater flows generally to the west, toward East Rockaway Channel.
- Groundwater contamination in the upper Glacial Aquifer has been observed at levels up to 10,000 ppb tetrachloroethylene. Highest concentrations were found in the well at the former location of the fuel oil UST.



NOTES:

1. SAMPLING LOCATIONS ARE DENOTED BY AN X.

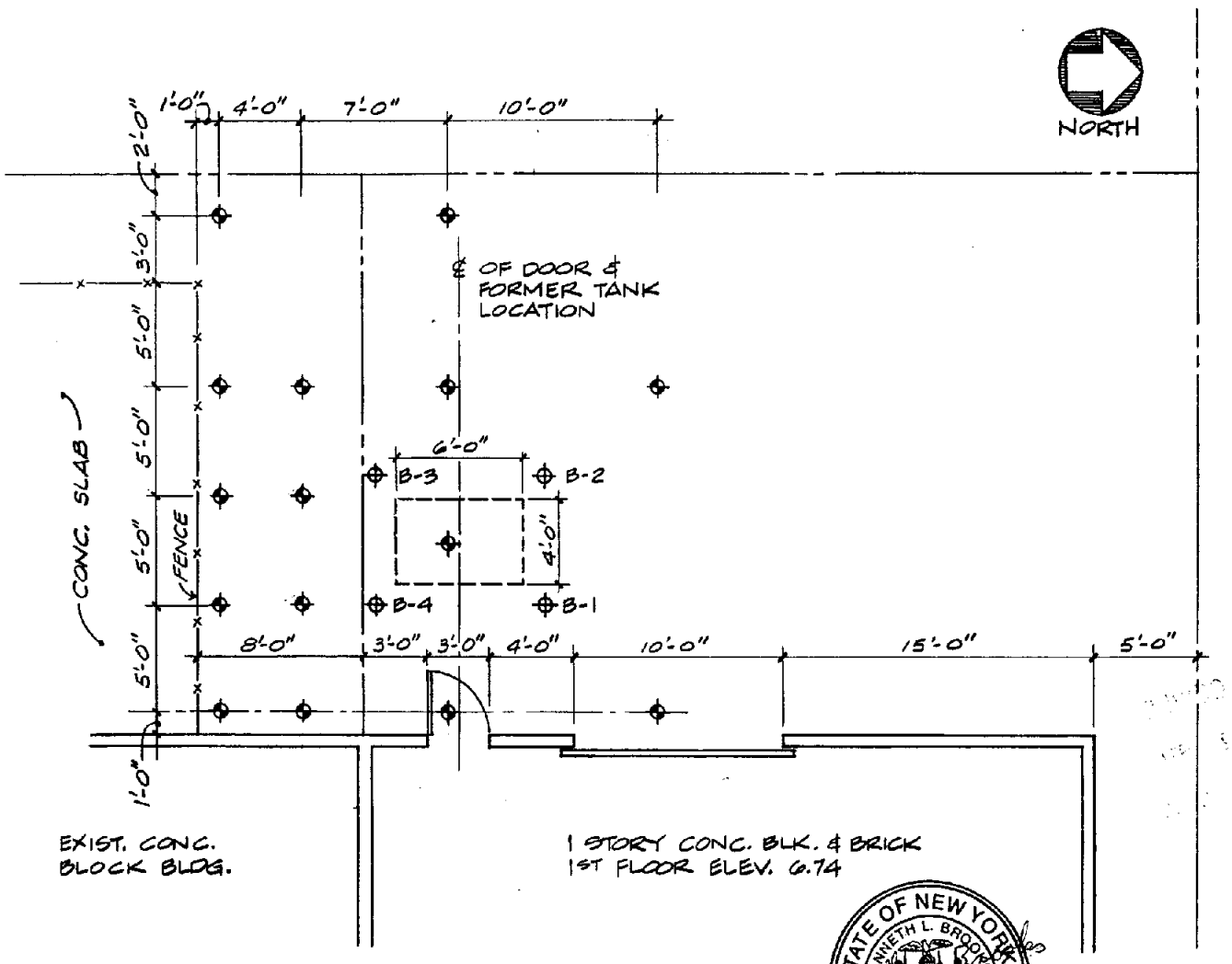
RE-DATED: SEPT. 17, 1963
LOTS Nº 1 & 2
BLOCK Nº 38
MAP Nº 18
OCEANSIDE BEACH
SITUATED AT
OCEANSIDE

TITLE
SITE PLAN
SPILL REMEDIATION STUDY

PREPARED FOR
RAILROAD DRIVE-IN CLEANERS
OCEANSIDE, N.Y.

Richard D. Galli, P.E., P.C.
Environmental Engineering Services

SCALE
DATE
PROJ. 88-



LEGEND

- ⊕ PHASE I SAMPLE LOCATION
- ⊕ PHASE II SAMPLE LOCATION

STATE OF NEW YORK
KENNETH L. BROOKS
No. 64922
LICENSED PROFESSIONAL ENGINEER

JOB NO. 88-069-02

RAIL ROAD DRIVE-IN CLEANERS

PHASE II SAMPLING LOCATIONS

RICHARD D. GALLI P.E.,P.C.
52 BROADWAY - GREENLAWN, NY 11740

DR AXC	SCALE 3/16"=1'-0"	DWG. NO. 2
CKD KLB	DATE 7-11-89	
APPD KLB		

LABORATORY WORKSHEET

CHEMICAL EXAMINATION FOR TRACE ORGANIC CONSTITUENTS IN WATER, HAZARDOUS WASTES SOLID WASTES

Center for Laboratories and Research

Nassau County Department of Health

1 ☒ Routine
2 ☐ Resample
3 ☐ Special
4 ☐ Complaint
5 ☐ Other

No. 900435

D

Field No. P45

N No. (Public Water Supply Only)

Source Information (Please Print)

Premises	Roll Road Cleaners
Address	3180 Lawson Blvd
Town	Oceanside
Collection Point	Lawson Blvd Well No. MW-2

	Month	Day	Year
Date Collected	3	28	90
Date Received	MAR 28 1990		
Date Reported	APR 05 1990		
Collection Time	10:40 AM		
Collected By:	Peter F. Paul		

Sampler's Comments:

Sample on ice
Split w/Gali

Bureau
1 ☒ Land Resources Management
2 ☐ Public Water Supply
3 ☐ Water Pollution Control
4 ☐ Environmental Sanitation
9 ☐ Other (specify)

SAMPLE TYPE

AQUEOUS				NON-AQUEOUS	
	Community Well	6	Surface Water	1	Soil
	Non-Community Well	7	Waste Water	2	Sludge
	Private Well	8	Industrial Effluent	3	Waste Solvent
	Monitoring Well	9	Raw Supply Water	4	Oil
	Drinking Water	10	Distribution Water	5	Other (specify)

ANALYSIS TYPE

	Purgeable Organic compounds
	Other (specify)

Examiner's Comments:

NASSAU COUNTY HEALTH DEPARTMENT
CENTER FOR LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH LABORATORIES

TRACE ORGANICS

Access Number: 900435
Source: RAIL ROAD CLEANERS, 3180 LAWSON BLVD, OCEANSIDE
Matrix: MONITORING WELL
Site: WELL #MW-2
Date Sampled: 03/26/90
Date of Report: 04/05/90

VOLATILE HALOGENATED		MRC (ug/l)		RESULT (ug/l)
VINYL CHLORIDE	(WA24)	1		53
TRICHLOROFLUOROMETHANE	(WA01)	1	<	1
1,1-DICHLOROETHYLENE	(WA15)	1	<	1
METHYLENE CHLORIDE	(WA02)	1	<	1
t-1,2-DICHLOROETHYLENE	(WA16)	1		1
1,1-DICHLOROETHANE	(WA04)	1	<	1
c-1,2-DICHLOROETHYLENE	(WA17)	1		91
CHLOROFORM	(WA05)	1		5
1,1,1-TRICHLOROETHANE	(WA06)	10	<	10
CARBON TETRACHLORIDE	(WA07)	1	<	1
1,2-DICHLOROETHANE	(WA18)	1	<	1
TRICHLOROETHYLENE	(WA08)	1		31
1,2-DICHLOROPROPANE	(WA20)	10	<	10
BROMODICHLOROMETHANE	(WA09)	10	<	10
c-1,3-DICHLOROPROPENE	(WA22)	1	<	1
t-1,3-DICHLOROPROPENE	(WA23)	1	<	1
1,1,2-TRICHLOROETHANE	(WA19)	1	<	1
TETRACHLOROETHYLENE	(WA13)	1		190
DIBROMOCHLOROMETHANE	(WA10)	10	<	10
BROMOFORM	(WA14)	10	<	10
1,1,2,2-TETRACHLOROETHANE	(WA21)	1	<	1

MRC - MINIMUM REPORTABLE CONCENTRATION NA - NOT ANALYZED
NR - NO RESULT DUE TO TECHNICAL REASONS - RESAMPLE SUGGESTED
PPB: AIR - ml/l WATER - ug/l SOIL - ng/g

APR - 6 1990