



Public Meeting for  
the Cantor Brothers  
Inactive Hazardous  
Waste Disposal Site  
March 14, 2000  
7:00 p.m.

West Hollow Middle School  
Old East Neck Road  
Dix Hills, New York

Main Document Repository  
Half Hollow Hills Library  
55 Vanderbilt Parkway  
Dix Hills, New York 11746

For More Information and to  
Submit Written Comments:

NYSDEC Central Office  
50 Wolf Road Room 242  
Albany, NY 12233-7010  
Att: Steven M. Scharf, P.E.  
Project Engineer  
(518) 457-3395  
1-800-342-9296

NYSDOH  
547 River Street  
Troy, NY 12180  
Attn: Wendy Kuehner  
(518) 458-6305  
1-800-458-1158

# Cantor Brothers Site

## FACT SHEET

### Public Notice for a Public Meeting on the Cantor Brothers Inactive Hazardous Waste Site Proposed Remedial Action Plan

The New York State Department of Environmental Conservation (NYSDEC) is sending this fact sheet to provide an update on the Cantor Brothers Inactive Hazardous Waste Disposal Site, located on Engineers Lane, East Farmingdale, Suffolk County, New York (see map) and to invite you to a public information meeting. The NYSDEC and the New York State Department of Health (NYSDOH) are pleased to announce the completion of the Interim Remedial Measure (IRM) Field Investigation Report. The final site remediation, based on the IRM Report, is now underway.

#### SITE HISTORY AND DESCRIPTION

Cantor Brothers was a chemical repackaging facility, that handled petroleum distillate solvents, paint thinners, creosote, and other chemicals from approximately 1975 to 1992. The 3.2 acre site is located in an industrial and commercial area. The site is located on Engineers Lane between Smith Street on the north and Central Avenue on the south, and between New Highway on the west and Wellwood Avenue on the east. Cantor Brothers is listed as a Class 2 Site (No. 152021) in the New York State Registry of Inactive Hazardous Waste Disposal Sites. Class 2 is assigned to sites where hazardous waste poses a significant threat to human health or the environment. The surrounding community is supplied with drinking water from the East Farmingdale Water District. Public water supplies are monitored on a regular basis to assure they meet New York State drinking water standards.

Cantor Brothers signed an Order on Consent to perform a remedial investigation and feasibility study (RI/FS) on March 9, 1992. Subsequently, Cantor Brothers filed for bankruptcy under Chapter 11 in United States Bankruptcy Court in Westbury, Long Island. The State of New York then filed an adversary proceeding, seeking to compel performance of the RI/FS consent order. The State of New York negotiated an Interim Agreement and Stipulated Order to complete the Interim Remedial Measure (IRM) investigation. The IRM investigation work plan is detailed in the Interim Agreement and Stipulated Order approved by the United States Bankruptcy Judge in June, 1996.

#### IRM FIELD INVESTIGATION SUMMARY

Pursuant to the Interim Agreement and Stipulated Order, Cantor Brothers' consultant (Handex) compiled previous sampling data, a site history and the current site conditions. Handex obtained soil and groundwater samples from various locations throughout the Cantor Brothers property to determine the extent of subsurface contamination as a result of previous Cantor operations. Handex sampled the former underground storage tank areas, the trash dumpster area,

the storm drains and leach pools, a former containment area inside the building, current and past cesspools onsite, and onsite and offsite groundwater (see figure 2). The IRM investigation results can be found in the "Interim Remedial Investigation Report, January, 1997" on file in the document repositories.

### FINAL REMEDIAL ACTION SUMMARY

The IRM sampling revealed that soils beneath the building contained elevated levels of volatile organic compounds (VOCs), and the onsite storm drains contained elevated levels of polynuclear aromatic hydrocarbons (PAHs). These areas warranted remedial action. The contaminated sediments found in the storm drains were excavated, transported offsite and properly disposed of in a secure landfill. Based on current readily available technology, the NYSDEC screened applicable soil treatment alternatives and selected soil vapor extraction (SVE) to remove the contamination found beneath the chemical manufacturing portion of the building. This method has been proven successful on Long Island's sandy and porous soils. The SVE system was installed and made operational in November 1998 and is currently operating. The SVE system effluent has been monitored monthly for removal rates and effluent concentrations.

Attorneys for Cantor Brothers, Apple Bank and major creditors negotiated a final Agreement and Stipulated Order requiring the implementation of these remedies. This Agreement and Stipulated Order was approved by the United States Bankruptcy Judge on December 2, 1997. A copy of this order has been placed on file in the document repositories. The storm drain remediation work was completed in March, 1998.

### PROPOSED REMEDIAL ACTION PLAN

The NYSDEC and NYSDOH are issuing a Proposed Remedial Action Plan (PRAP) calling for no further action after satisfactory completion of the SVE system. It is fully expected that the currently operating SVE system will remove any potential threats to human health and the environment. The NYSDEC is requiring confirmatory soil samples that will demonstrate the effectiveness of the SVE system. Once the remediation is completed to the satisfaction of the NYSDEC, the NYSDEC anticipates delisting the Cantor Brothers Site from the New York State Registry of Inactive Hazardous Waste Disposal Sites.

**Repositories:** The public is encouraged to review the documents related to the site which are available for public review at the following locations:

Half Hollow Hills Library  
55 Vanderbilt Parkway  
Dix Hills, NY 11746  
(631) 421-4530  
Hours: M-F 9:30-9:00  
Sat 9:30-5:00  
Sun 2:00-5:00  
(Mid Sept-Mid June)  
Erna Newman, Librarian

NYSDEC Region 1 Headquarters  
SUNY Campus  
Loop Road Building 40  
Stony Brook, NY 11790-2356  
Attn: Mark Lowery, Citizen  
Participation Specialist

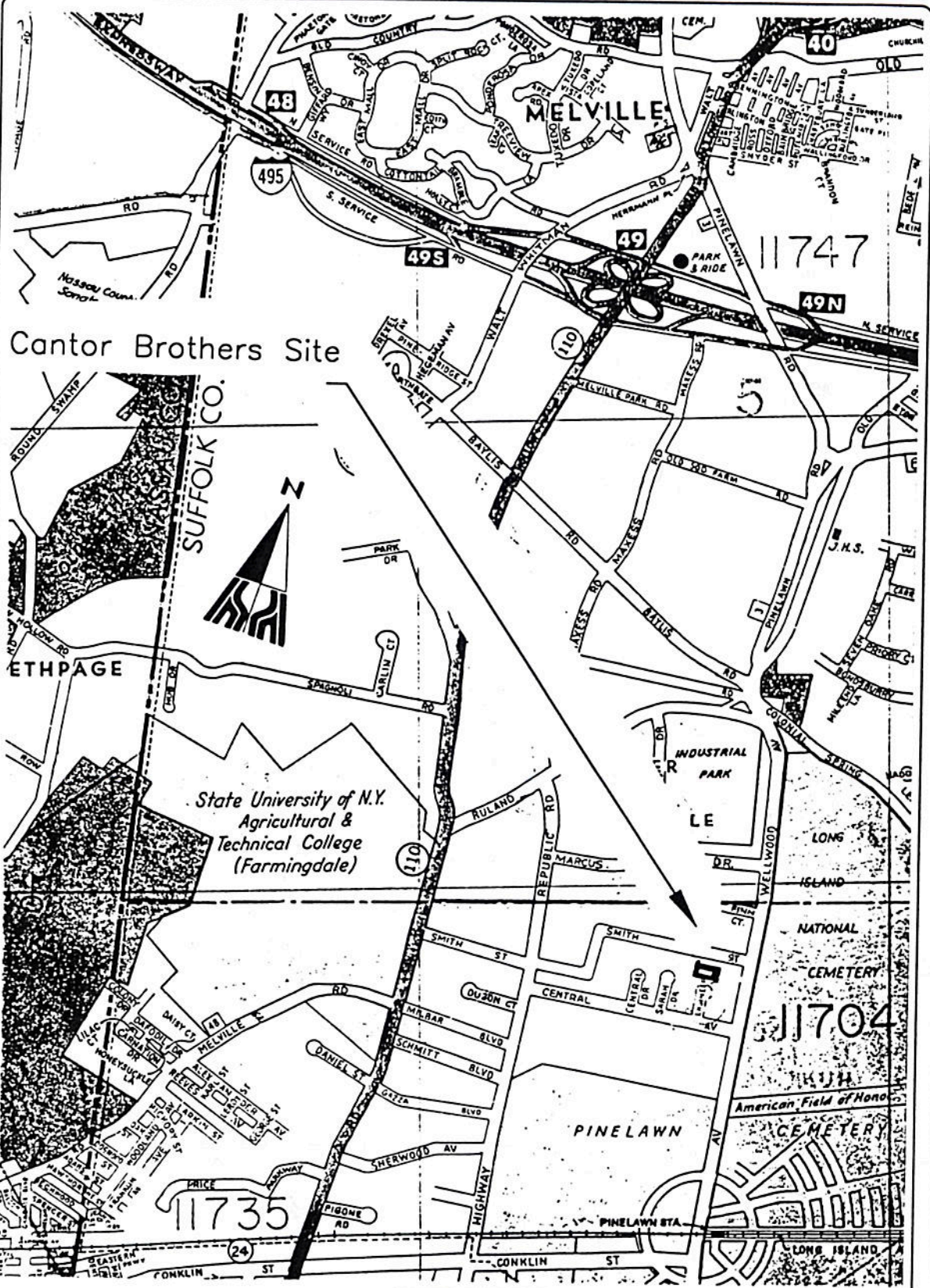
NYSDEC Central Office  
50 Wolf Road, Rm 242  
Albany, NY 12233-7010  
Attn: Steven M. Scharf, P.E.

**For More Information and to Submit Written Comments:** Public input is important to this project. To send written comments or request additional information, please contact:

NYSDEC Concerns  
Steven M. Scharf, P.E.  
NYSDEC  
50 Wolf Road, Rm. 242  
Albany, NY 12233-7010  
(518) 457-3395  
1-800-342-9296

NYSDEC Concerns  
Mark Lowery  
NYSDEC-SUNY Campus  
Loop Road Building 40  
Stony Brook, NY 11790-2356  
(631) 4 44-0350

NYSDOH Concerns  
Wendy Kuehner  
NYSDOH  
547 River Street  
Troy, NY 12180  
1-800-458-6405 Extension 305



Cantor Brothers Site

State University of N.Y.  
Agricultural &  
Technical College  
(Farmingdale)

Cantor Brothers Site

Figure 1- Area Location Map

DIVISION OF ENVIRONMENTAL REMEDIATION

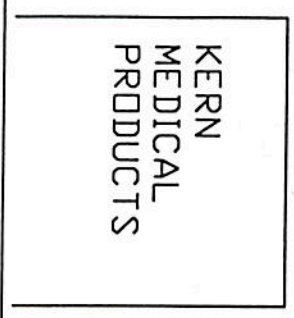
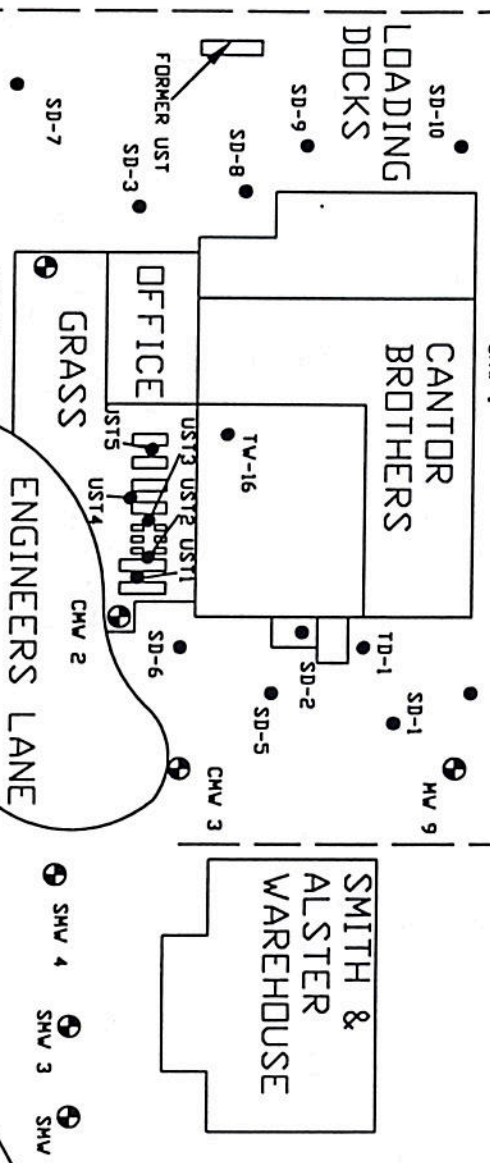
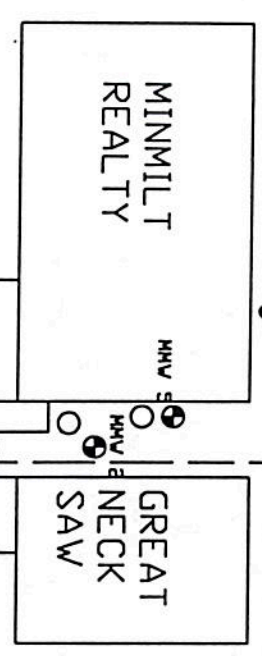
REVISED:  
DATE: 11/02/99

DRAWING:



Town of Babylon, Suffolk County Site No. 1-52-021

TOWN OF BABYLON RECHARGE BASIN  
SMITH STREET



LEGEND	
	MONITORING WELLS
	HHV-4: MINIMILT WELL
	CHV 1: CANTOR WELL
	SHV, SHOREWOOD WELL
	SOIL BORINGS
	STORM DRAIN BORINGS, SOIL BORINGS, UST BORINGS, TD BORINGS & TV BORINGS

Note: Not to scale, for estimating purposes only

CANTOR BROTHERS SITE NYSDEC SITE NO. 1-52-021		
DIVISION OF ENVIRONMENTAL REMEDIATION		
APPROVED: DATE: 10/07/99	DRAWING: CANTOR.DWG	
MODIFIED BY: STEVEN M. SCHARF, P.E.		

FIGURE 2: SITE SAMPLING AND LOCATION PLAN



**Public Notice for  
the Cantor Brothers  
Inactive Hazardous  
Waste Disposal Site**

**Main Document Repository**

Farmingdale Library  
116 Merritt Road  
Farmingdale, NY 11735

**For More Information and to  
Submit Written Comments:**

NYSDEC Region 1  
SUNY Campus Headquarters  
Loop Road Building 40  
Stony Brook, NY 11790-2356  
Attn: Joshua Epstein, PhD  
Citizen Participation Specialist  
(516)444-0240

NYSDEC Central Office  
50 Wolf Road Room 242  
Albany, NY 12233-7010  
Att: Gerard Burke, P.E.  
Project Engineer  
(518)457-9280

NYSDOH  
2 University Place  
Albany, NY 12203  
Attn: Wendy Kuehner  
(518)458-6305  
1-800-458-1158

# FACT SHEET

## **Public Notice for the Cantor Brothers Inactive Hazardous Waste Site**

The New York State Department of Environmental Conservation (NYSDEC) is sending this fact sheet to provide an update on the Cantor Brothers Inactive Hazardous Waste Disposal Site, located on Engineers Lane, East Farmingdale, Suffolk County, New York (see map). The New York State Department of Environmental Conservation and the New York State Department of Health (NYSDOH) are pleased to announce the completion of the Interim Remedial Measure (IRM) Field Investigation Report. Also, the final site remediation, based on the IRM Report, is now underway.

### **SITE HISTORY AND DESCRIPTION**

Cantor Brothers was a chemical repackaging facility, and handled petroleum distillate solvents, paint thinners, creosote, and other chemicals from approximately 1975 to 1992. The 3.2 acre site is located in an industrial and commercial area. The site is located on Engineers Lane between Smith Street on the north and Central Avenue on the south; and between New Highway on the west and Wellwood Avenue on the east. Cantor Brothers is listed as a Class 2 Site (No. 152021) in the New York State Registry of Inactive Hazardous Waste Disposal Sites. Class 2 is assigned to sites where hazardous waste poses a significant threat to human health or the environment. The surrounding community is supplied with drinking water from the East Farmingdale Water District. Public water supplies are monitored on a regular basis to assure they meet New York State drinking water standards.

Cantor Brothers signed an Order on Consent to perform a remedial investigation and feasibility study (RI/FS) on March 9, 1992. Subsequently, Cantor Brothers filed for Chapter 11 in United States Bankruptcy Court in Westbury, Long Island. The State of New York then filed an adversary proceeding; seeking to compel performance of the RI/FS consent order. The State and Cantor Brothers negotiated a Interim Agreement and Stipulated Order to complete the Interim Remedial Measure (IRM) Investigation. The IRM investigation workplan is detailed in the Interim Agreement and Stipulated Order approved by the United States Bankruptcy Judge in June, 1996.

### **IRM FIELD INVESTIGATION SUMMARY**

Pursuant to the Interim Agreement and Stipulated Order, Cantor Brothers' consultant (Handex) compiled previous sampling data, a site

history and the current site conditions. Handex obtained soil and groundwater samples from various locations throughout the Cantor Brothers property to determine the extent of subsurface contamination as a result of previous Cantor operations. The IRM sampled the former underground storage tank areas, the trash dumpster area, the storm drains and leach pools, a former containment area inside the building, current and past cesspools and onsite and offsite groundwater. The IRM investigation results can be found in the "Interim Remedial Investigation Report, January 1997" on file at the document repositories.

### FINAL REMEDIAL ACTION SUMMARY

The IRM sampling revealed that soils beneath the building contained elevated levels of volatile organic compounds (VOCs) and the onsite storm drains contain elevated levels of polynuclear aromatic hydrocarbons (PAHs). These areas warrant remedial action. Based on current readily available technology, the NYSDEC screened applicable treatment alternatives, and soil vapor extraction (SVE), was selected to remove the contamination found beneath the chemical manufacturing portion of the building. This method has been proven successful on Long Island's sandy and porous soils. The contaminated sediments found in the storm drains will be excavated, transported offsite and properly disposed of.

Attorneys for Cantor Brothers, Apple Bank and a major creditor negotiated a final Agreement and Stipulated Order requiring Cantor Brothers to implement these remedies. This Agreement and Stipulated Order was approved by the United States Bankruptcy Judge on December 2, 1997. A copy of this order has been placed on file in the document repositories. This work will begin January 12, 1998.

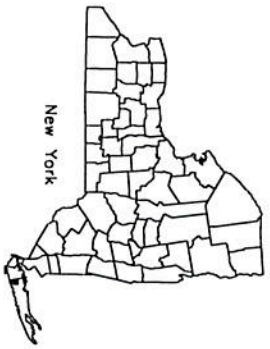
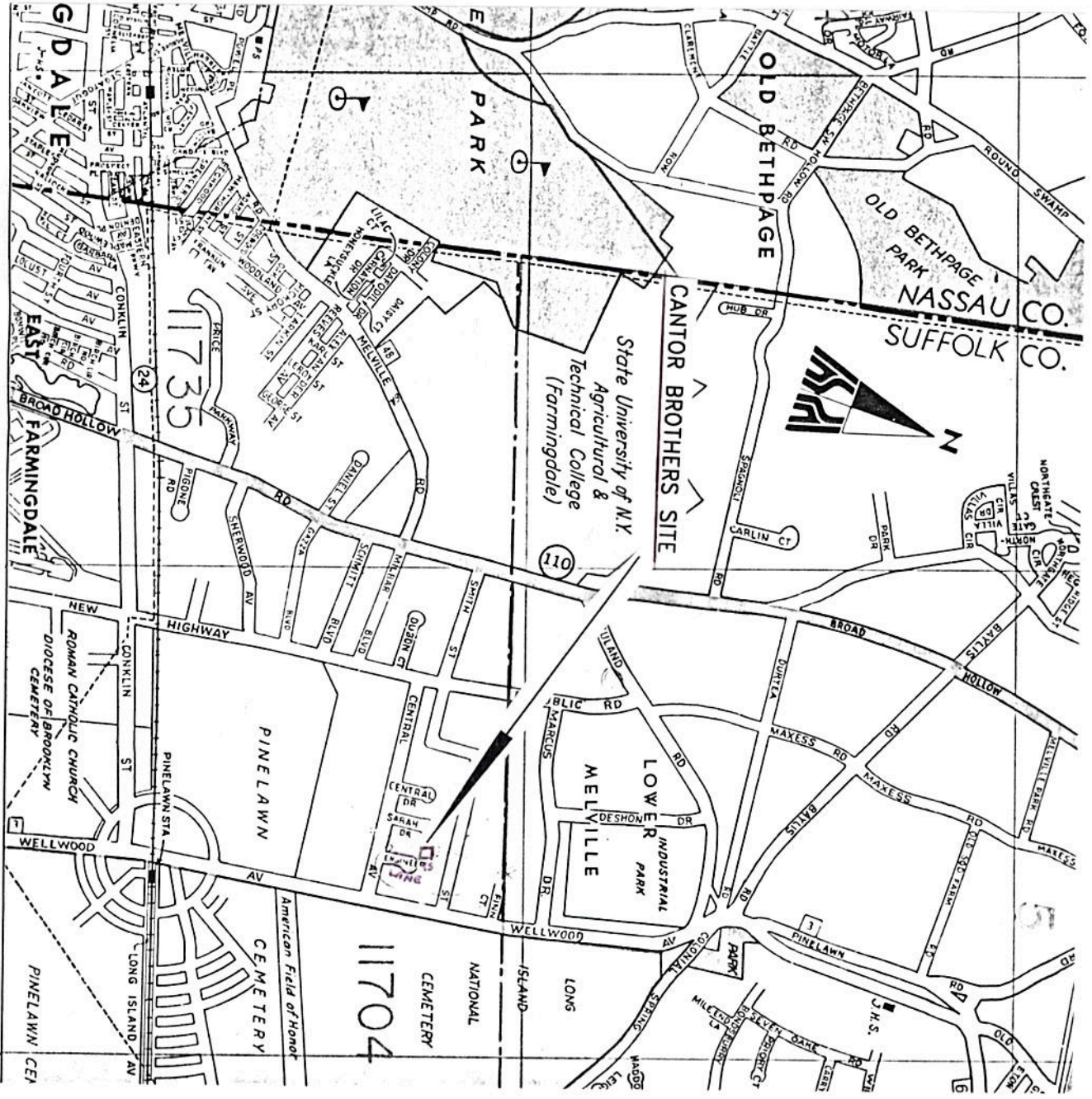
The NYSDEC and NYSDOH fully expect that the SVE and storm drain remediation will remove any potential threats to human health and the environment. Once the remediation is completed to the satisfaction of the NYSDEC, the NYSDEC anticipates delisting the Cantor Brothers Site from the New York State Registry of Inactive Hazardous Waste Disposal Sites.

**Repositories:** The public is encouraged to review the documents related to the sites which are available for public review at the following locations:

Half Hollow Hills Library 55 Vanderbilt Parkway Dix Hills, NY 11746 (516)421-4530	NYSDEC Region 1 Headquarters SUNY Campus Loop Road Building 40 Stony Brook, NY 11790-2356	NYSDEC Central Office 50 Wolf Road Room 242 Albany, NY 12233-7010 Attn: Steven M. Scharf, P.E.
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**For More Information and to Submit Written Comments:** Public input is important to this project. To send written comments or request additional information, please contact:

<u>NYSDEC Concerns</u> Gerard Burke, P.E. NYSDEC 50 Wolf Road Albany, NY 12233-7010 (518)457-9280	<u>NYSDEC Concerns</u> Joshua Epstein, PhD NYSDEC-SUNY Campus Loop Road Building 40 Stony Brook, NY 11790-2356 (516)444-0249	<u>NYSDOH Concerns</u> Wendy Kuehner NYSDOH 2 University Place Albany, NY 12203 1-800-458-6405 Extension 305
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**CANTOR BROTHERS SITE**  
 East Farmingdale, Suffolk County, New York  
 Site No. 1-52-021

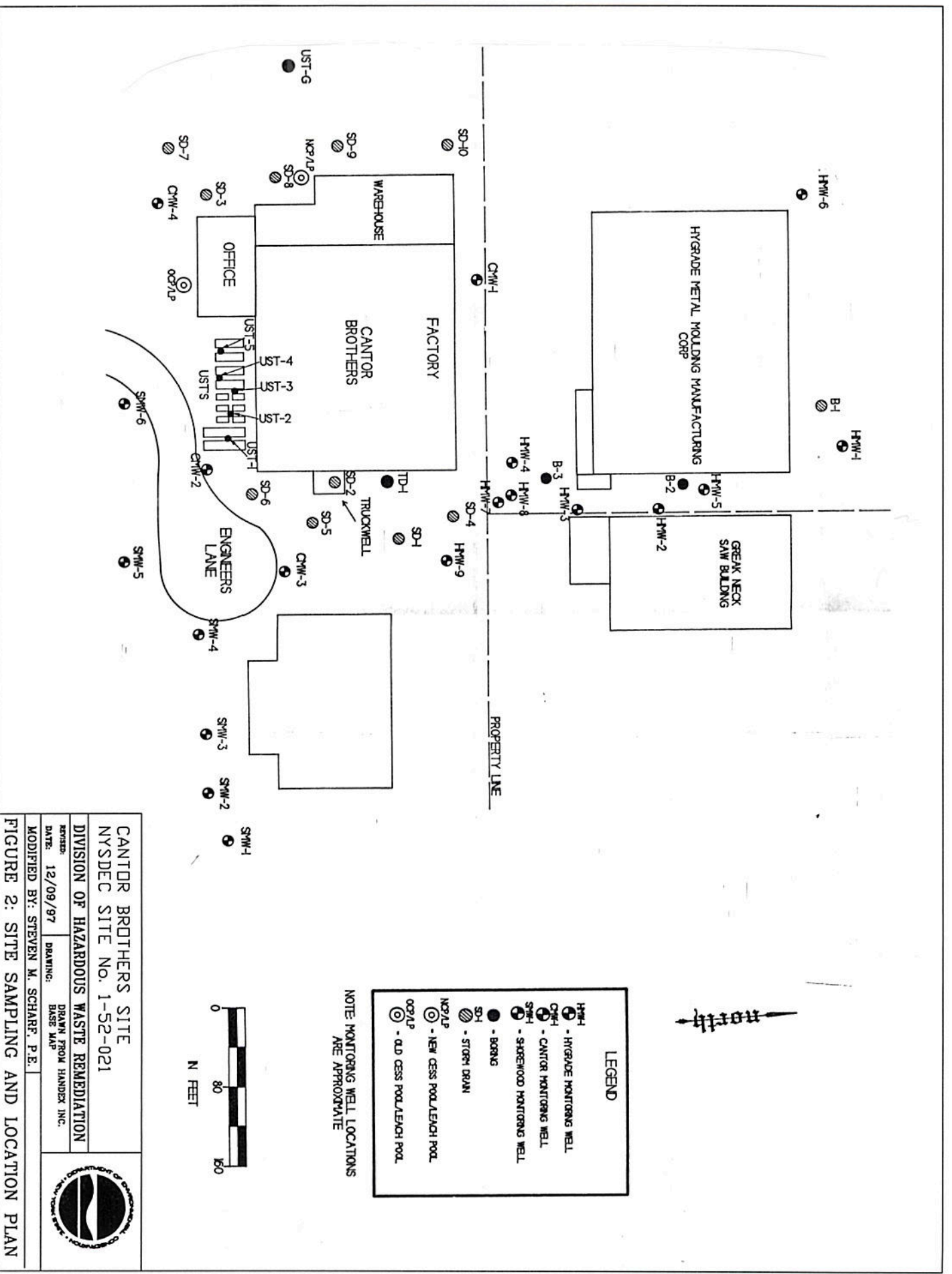
New York State Department of  
 Environmental Conservation

FILE: DECBIK.DWG DRAWING:

**SITE LOCATION**

DATE: 01/02/98

FIGURE 1



CANTOR BROTHERS SITE  
 NYSDCE SITE No. 1-52-021

DIVISION OF HAZARDOUS WASTE REMEDIATION

DESIGNED BY: STEVEN M. SCHARF, P.E.  
 DATE: 12/09/97  
 DRAWING: BASE MAP



FIGURE 2: SITE SAMPLING AND LOCATION PLAN



NEW YORK STATE  
DEPARTMENT OF



ENVIRONMENTAL  
CONSERVATION

Record of Decision  
For  
the Cantor Brothers  
Inactive Hazardous  
Waste Disposal Site  
March, 2000

Main Document Repository

Half Hollow Hills Library  
55 Vanderbilt Parkway  
Dix Hills, New York 11746

For More Information on the  
Cantor Brothers Site:

NYSDEC Central Office  
50 Wolf Road Room 242  
Albany, NY 12233-7010  
Att: Steven M. Scharf, P.E.  
Project Engineer  
(518) 402-7880  
1-800-342-9296

NYSDOH  
547 River Street  
Troy, NY 12180  
Attn: Wendy Kuehner  
(518) 402-7880  
1-800-458-1158 Extension  
27880

# Cantor Brothers Site

## Fact Sheet or the Record of Decision on the Cantor Brothers Inactive Hazardous Waste Site.

The New York State Department of Environmental Conservation (NYSDEC) is sending this fact sheet to provide an update on the Cantor Brothers Inactive Hazardous Waste Disposal Site, located on Engineers Lane, East Farmingdale, Suffolk County, New York (see map). The NYSDEC and the New York State Department of Health (NYSDOH) are pleased to announce the Record of Decision (ROD) for the Cantor Brothers Site. This ROD calls for no further action with the implementation of the final site remediation through interim remedial measures, or IRMs, which is now underway. These IRMs are based on information from the remedial investigation report, which can be found in the document repository.

### SITE HISTORY AND DESCRIPTION

Cantor Brothers was a chemical repackaging facility, that handled petroleum distillate solvents, paint thinners, creosote, and other chemicals from approximately 1965 to 1992. The 3.2 acre site is located in an industrial and commercial area. The site is located on Engineers Lane between Smith Street on the north and Central Avenue on the south, and between New Highway on the west and Wellwood Avenue on the east. Cantor Brothers is listed as a Class 2 Site (No. 152021) in the New York State Registry of Inactive Hazardous Waste Disposal Sites. Class 2 is assigned to sites where hazardous waste poses a significant threat to human health or the environment. The surrounding community is supplied with drinking water from the East Farmingdale Water District. Public water supplies are monitored on a regular basis to assure they meet New York State drinking water standards.

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groundwater (see figure 2). The IRM investigation results can be found in the "Interim Remedial Investigation Report, January, 1997" on file in the document repositories.

### FINAL REMEDIAL ACTION SUMMARY

The IRM sampling revealed that soils beneath the building contained elevated levels of volatile organic compounds (VOCs), and the onsite storm drains contained elevated levels of polynuclear aromatic hydrocarbons (PAHs). These areas warranted remedial action. The contaminated sediments found in the storm drains were excavated, transported offsite and properly disposed of in a secure landfill. Based on current readily available technology, the NYSDEC screened applicable soil treatment alternatives and selected soil vapor extraction (SVE) to remove the contamination found beneath the chemical manufacturing portion of the building. This method has been proven successful on Long Island's sandy and porous soils. The SVE system was installed and made operational in November 1998 and is currently operating. The SVE system effluent has been monitored monthly for removal rates and effluent concentrations.

Attorneys for Cantor Brothers, Apple Bank and major creditors negotiated a final Agreement and Stipulated Order requiring the implementation of these remedies. This Agreement and Stipulated Order was approved by the United States Bankruptcy Judge on December 2, 1997. A copy of this order has been placed on file in the document repositories. The storm drain remediation work was completed in March, 1998.

### RECORD OF DECISION

The NYSDEC has issued a Record of Decision for the Cantor Brothers Site based on the Proposed Remedial Action Plan (PRAP), calling for no further action after satisfactory completion of the SVE system. It is fully expected that the currently operating SVE system will remove any potential threats to human health and the environment. The NYSDEC is requiring confirmatory soil samples that will demonstrate the effectiveness of the SVE system. Once the remediation is completed to the satisfaction of the NYSDEC, the NYSDEC anticipates delisting the Cantor Brothers Site from the New York State Registry of Inactive Hazardous Waste Disposal Sites.

**Repositories:** The public is encouraged to review the documents related to the site which are available for public review at the following locations:

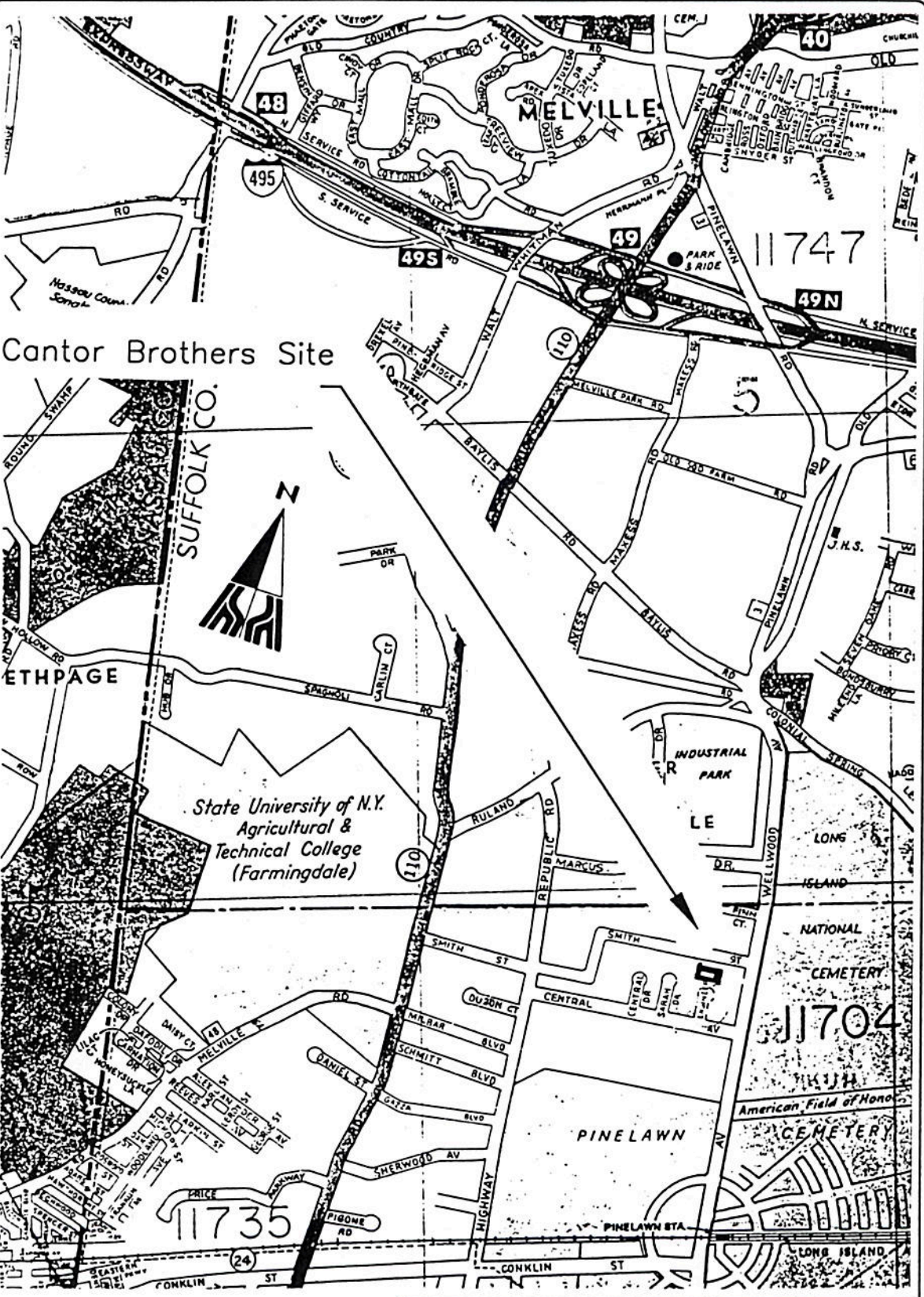
Half Hollow Hills Library 55 Vanderbilt Parkway Dix Hills, NY 11746 (631) 421-4530 Hours: M-F 9:30-9:00 Sat 9:30-5:00 Sun 2:00-5:00 (Mid Sept-Mid June) Erna Newman, Librarian	NYSDEC Region 1 Headquarters SUNY Campus Loop Road Building 40 Stony Brook, NY 11790-2356 Attn: Mark Lowery, Citizen Participation Specialist	NYSDEC Central Office 50 Wolf Road, Rm 242 Albany, NY 12233-7010 Attn: Steven M. Scharf, P.E.
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**For More Information regarding this site please contact the following:**

NYSDEC Concerns  
Steven M. Scharf, P.E.  
NYSDEC  
50 Wolf Road, Rm. 242  
Albany, NY 12233-7010  
(518) 457-3395

NYSDEC Concerns  
Mark Lowery  
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Wendy Kuehner  
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1-800-458-1158 Extension 27880



Cantor Brothers Site

SUFFOLK CO.



State University of N.Y.  
Agricultural &  
Technical College  
(Farmingdale)

**Cantor Brothers Site**

Figure 1- Area Location Map

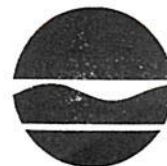
**DIVISION OF ENVIRONMENTAL REMEDIATION**

REVISED:  
DATE: 11/02/99

DRAWING:



Town of Babylon, Suffolk County Site No. 1-52-021



*Langdon Marsh*  
*Commissioner*

**FACT SHEET**  
**November 10, 1994**

**Cantor Brothers, Site #152021**  
**Engineers Lane**  
**East Farmingdale NY**

The purpose of this fact sheet is to inform the public regarding an Interim Remedial Measure (IRM) at the above Site. Field work associated with the investigation of hazardous contaminants is scheduled to begin in mid-December at the above site located at Engineers Lane, East Farmingdale, in the Town of Babylon. The principle objective of the IRM for the Cantor Brothers Site is to define the extent of on-site soil contamination and remediate it.

The New York State Department of Environmental Conservation (NYSDEC) will use the information gathered (see below) to decide how best to remediate any soil contamination found. The site is listed as a Class 2 Site (No. 152021) in the New York State Registry of Inactive Hazardous Waste Sites. Class 2 is assigned to sites where hazardous waste poses a significant threat to the public health or the environment.

The field work about to begin is for an Interim Remedial Measure (IRM). An IRM is an interim clean-up action, which will begin the clean up of the source area of soil and groundwater contamination. The owner of the property will undertake the IRM under a legal agreement with New York State. A Remedial Investigation/Feasibility Study (RI/FS) will be conducted in the future. That study is more comprehensive than the IRM and will determine the full nature and extent of all on-site and any off-site contamination, identify cleanup alternatives, and recommend one of these for implementation.

### **Site Description**

Cantor Brothers was a chemical repacker, and handled petroleum distillate solvents, paint thinners, creosote, etc. from approximately 1975 to 1992. The 3.2 acre site is located in an industrial and commercial area. The site is located at the terminus of Engineers Lane between Smith Street on the north and Central Avenue on the south; and between New Highway on the west and Wellwood Avenue on the east. The site is bordered by a Town of Babylon recharge basin, Hygrade Metal Molding, and Great Neck Saw to the north; Smith and Alster to the east; Shorwood Packaging and Kern Medical Products to the south; and Astro Plating to the west. The surrounding community is supplied drinking water by the East Farmingdale water district. Public water supplies are monitored on a regular basis to assure they meet NYS drinking water standards.

A preliminary soil and groundwater investigation was done in 1983, followed by another soil and groundwater investigation in 1988. Volatile organic compounds and metals were found to exceed the state groundwater standards at the site. Additionally, semivolatile organic compounds, pesticides, and metals were found to exceed the state soil clean-up objectives.

## **IRM Field Activities:**

Subsurface soil conditions will be investigated. Twenty-two soil borings will be completed. All of the storm drains on site and two secondary leaching pools will be sampled. The primary leaching pools for the two septic systems will be sampled. Five soil borings will be conducted through the former underground storage tank area. Borings will be completed through the former location of the gasoline underground storage tank and the former location of the fuel oil underground storage tank. A boring will be conducted through the stained asphalt area at the trash dumpster site if the integrity of the asphalt is suspect.

Next Public Outreach--Another fact sheet will be mailed at the conclusion of the IRM to inform the public of the results of the IRM and a public information meeting will be held prior to the start of the RI/FS.

For more information, documents associated with the above work can be found in the document repositories at the following locations:

Half Hollow Hills Community Library  
55 Vanderbilt Parkway  
Dix Hills, NY 11746  
(516) 421-4530  
Hours: 9:30 a.m. - 9:00 p.m. Monday - Friday  
9:30 a.m. - 5:00 p.m. Saturday  
Noon - 5:00 p.m. Sundays from September 18  
Closed Sundays from mid-June to September 18

New York State Department of Environmental Conservation  
Hazardous Waste Remediation Unit  
Building 40  
State University of New York Campus  
Stony Brook, NY 11794-2536  
Hours: 8:30 a.m. - 4:45 p.m., Monday - Friday  
Contact: Joshua Epstein (see below)

If you have further questions, please contact:

Joshua Epstein  
Citizen Participation Specialist  
New York State Department of Environmental Conservation  
State University of New York Campus  
Building 40  
Stony Brook, NY 11794-~~2536~~  
(516) 444-0249      2356

Bruce O'Neill  
Project Manager  
NYSDEC  
50 Wolf Road  
Albany, NY 12233-7010  
(518) 457-3395  
(800) 342-9296

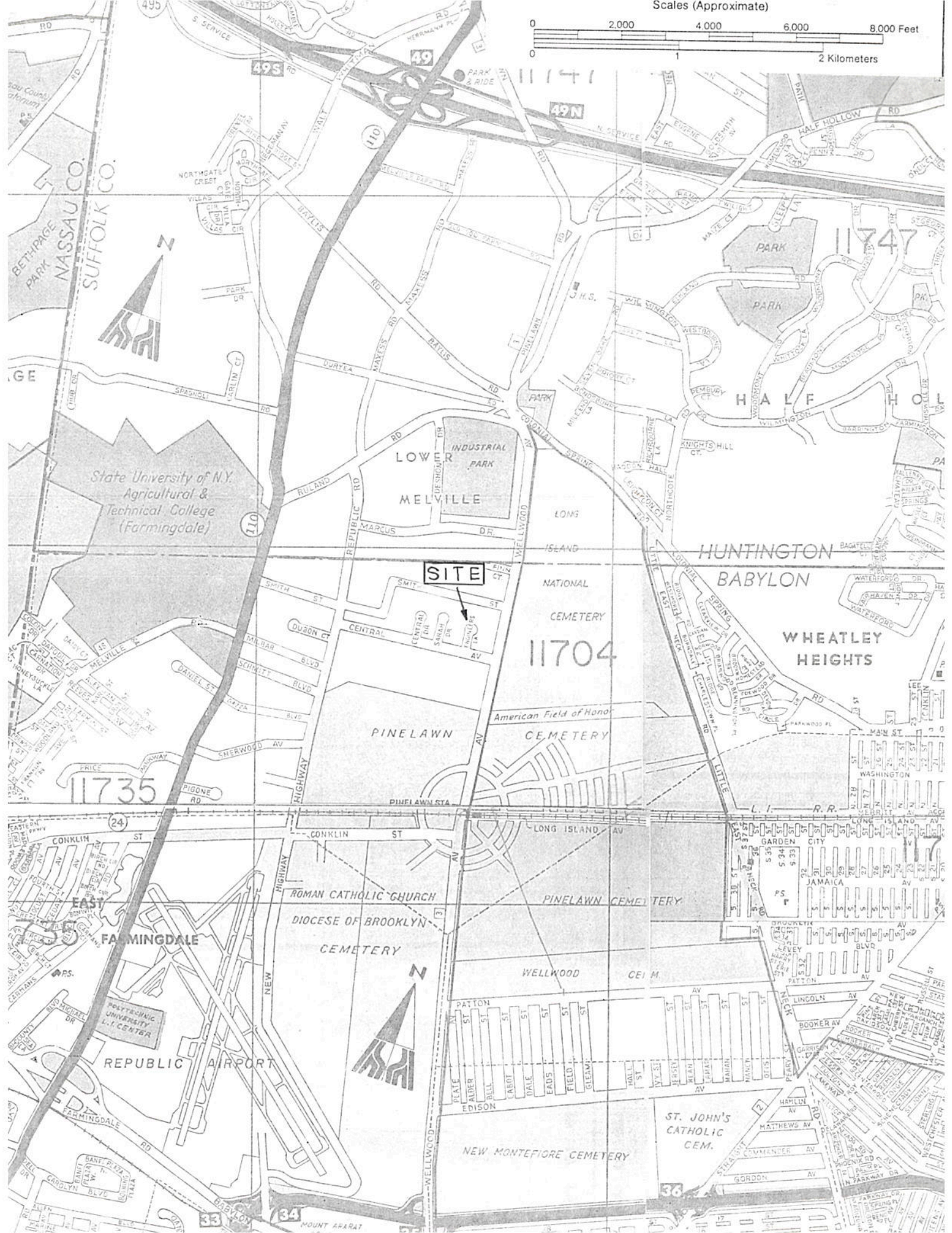
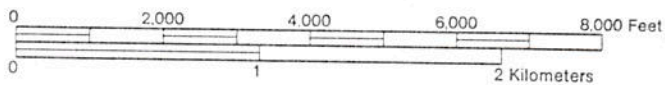
**For health related concerns:**

New York State Department of Health  
2 University Place  
Albany, NY 12203

Nina Knapp  
Health Liaison Program  
(518) 458-6402  
(800) 458-1158, ext. 402

Maureen Schuck  
Project Manager  
(518) 458-6305  
(800) 458-1158, ext. 305

Scales (Approximate)



**SITE**

State University of N.Y.  
Agricultural &  
Technical College  
(Farmingdale)

LOWER INDUSTRIAL  
PARK  
MELVILLE

HUNTINGTON  
BABYLON

WHEATLEY  
HEIGHTS

11704

11735

EAST  
FARMINGDALE

REPUBLIC AIRPORT

ROMAN CATHOLIC CHURCH  
DIOCESE OF BROOKLYN  
CEMETERY

PINELAWN CEMETERY

WELLWOOD CEM.

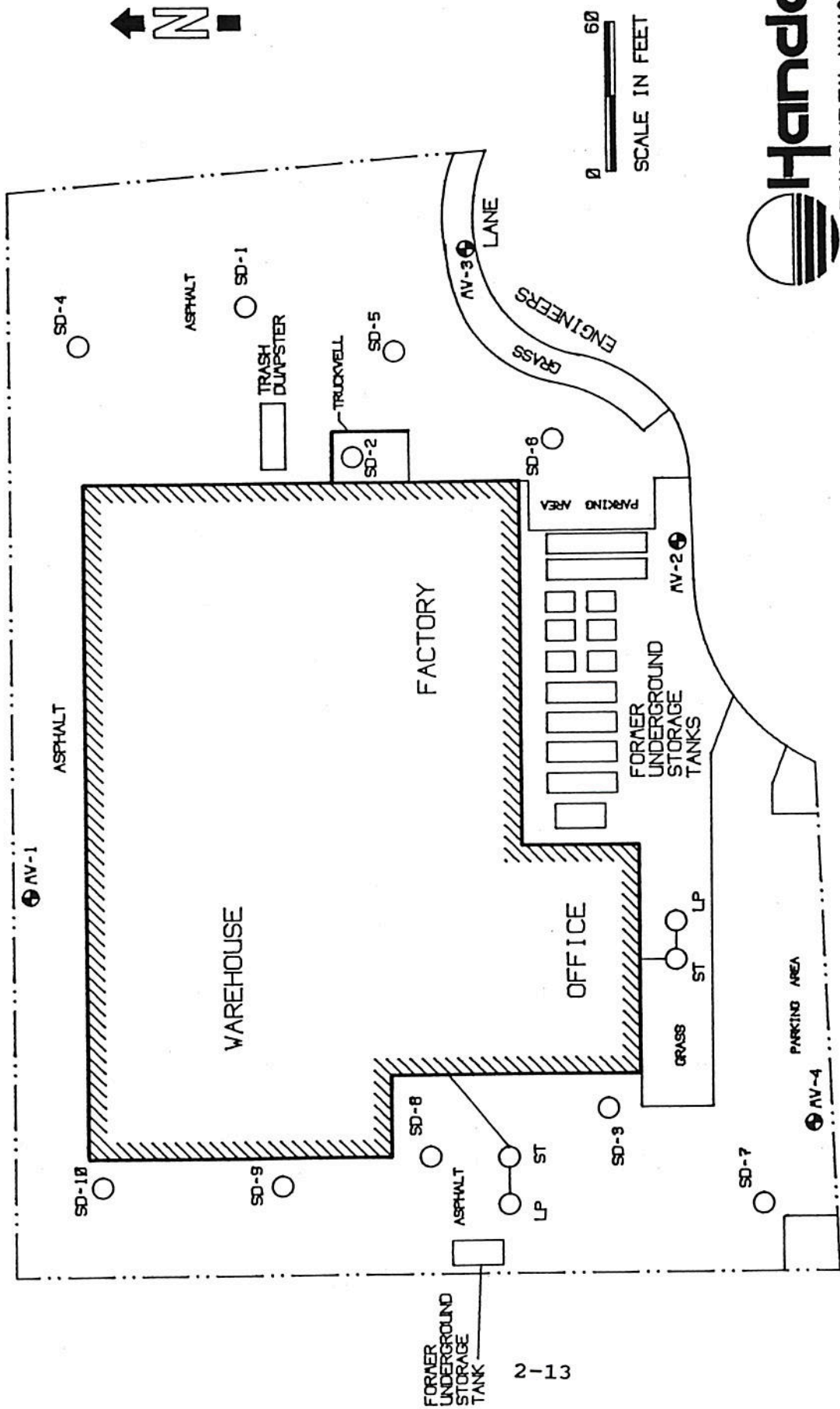
NEW MONTEFIORE CEMETERY

ST. JOHN'S  
CATHOLIC  
CEM.

33

34

36



2-13



FIGURE 2

GENERAL SITE MAP

NOTE: MONITORING WELL LOCATIONS ARE APPROXIMATE

SD ■ STORA DRAIN  
 ST ■ SETTLING TANK  
 LP ■ LEACHING POOL

CANTOR BROTHERS  
 ENGINEERS LANE  
 FARWINGDALE, NEW YORK



file

CANTOR BROTHERS, INC.

East Farmingdale, New York

Cantor Brothers, Inc. site (NYSDEC ID #152021) is a 3.2 acre site located in East Farmingdale, Town of Babylon, Suffolk County, New York. The site is located in the southwestern part of Suffolk County, approximately two miles east of the Nassau County line, and is presently owned by Cantor Brothers, Inc.

At the time of Phase II site investigation (July 1988), Cantor Brothers, Inc. was an active chemical repacker and manufacturer of paint products, handling petroleum distillate solvents, paint thinners, and caulking compounds. The site presently consists of a two-story building, comprised of a warehouse area, a factory area, and an office area, with a total floor space of approximately 51,500 square feet. In addition to indoor storage of hazardous substances (e.g. 1,1,1-Trichloroethane, Turpentine, and Lacquer Thinner), there are thirteen underground storage tanks buried on the southeastern side of the building, used for the storage of hazardous chemicals and solvents (such as Kerosene, Turpentine, and Lacquer Thinner). There is no discernible process waste stream, as such.

Cantor Brothers, Inc. has been cited frequently by the Suffolk County Department of Health Services (SCDHS) for violations of Article 12 of the Suffolk County Sanitary Code. These violations have included storing toxic or hazardous materials (e.g. Kerosene, Turpentine, and the like) without a valid permit, spills of toxic or hazardous materials onto the ground and/or a storm drain, and removal of an underground fuel storage tank without proper notification of the SCDHS.

- Cantor Brothers has been assessed Civil Penalties, as much as \$259 (in June of 1988) because of Suffolk County Sanitary Code violations, (See Order on Consent Dated June 3, 1988, SCDHS, 1988b).
- Hazardous wastes disposed on the site, either through surface spills or tank leakage, have been classified under "RCRA" definition to be highly ignitable (Kerosene), highly or moderately toxic/persistent (Arsenic, & 1,1,1-Trichloroethane), and slightly reactive (1,1,1-Trichloroethane).

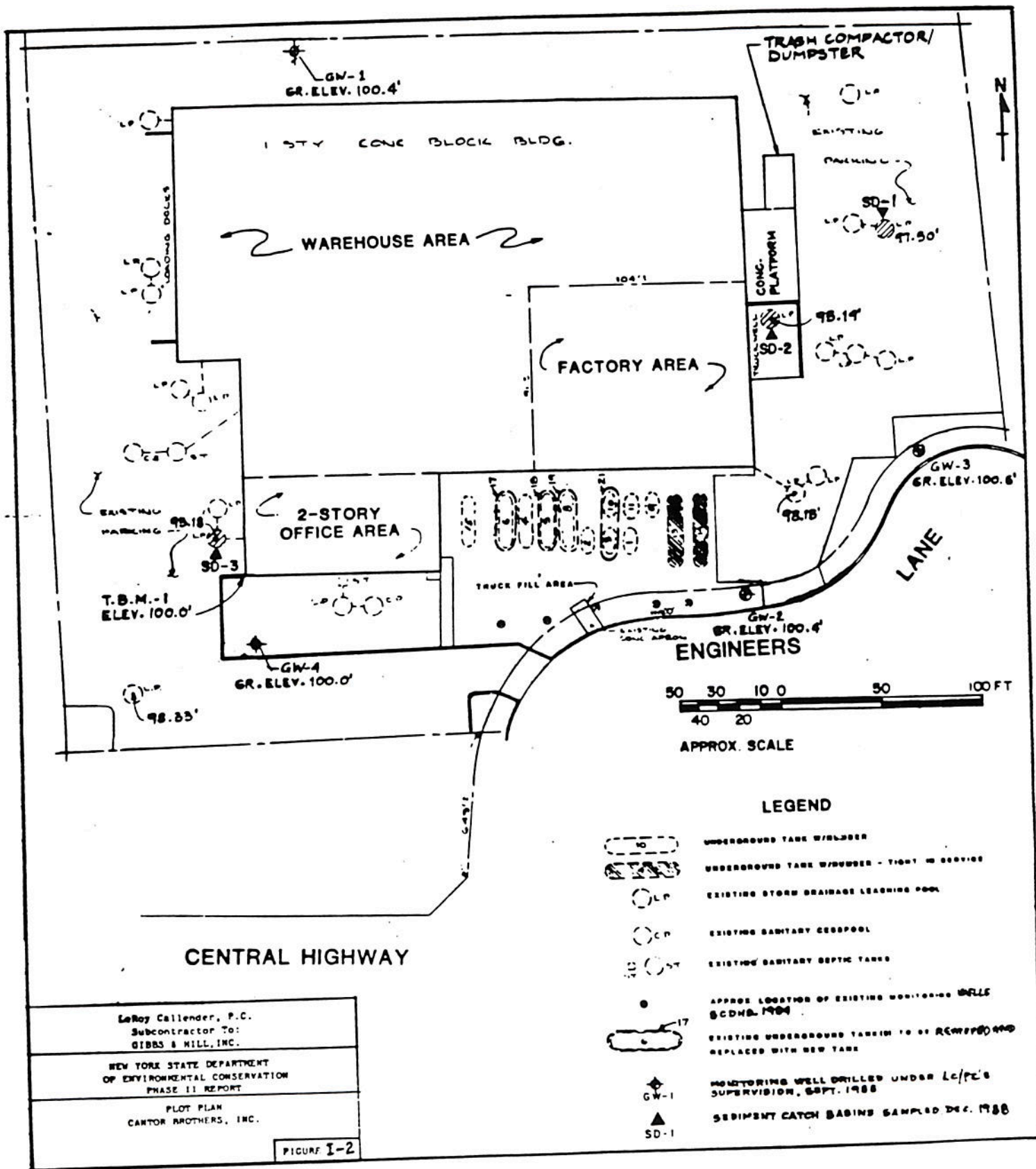
The Cantor Brothers, Inc. site is located in a generally flat area, entirely developed with paved roads and parking lots. The storm drainage system consists of catch basins and leaching pits.

The predominant land use is industrial/commercial. The site is surrounded by manufacturing and commercial facilities. Large cemeteries are

located in the site vicinity, towards the south and southeast. Bethpage State Park is located 1.5 miles west of the site.

Within a 1 1/2 mile radius of the site, there are several public supply wells, ranging in depth between 200 and 534 feet. The wells of Suffolk County Water Authority are located about 1 1/2 mile to the northwest.

Results from the chemical analyses of collected samples indicate release of 1,1,1 - Trichloroethane, Trichloroethene, and Tetrachloroethene from the site to the groundwater, and the presence of significantly higher than background concentrations of arsenic in the groundwater and lead in the sediment samples.



New York State Department of Environmental Conservation  
50 Wolf Road, Albany, New York 12233-7010



Michael D. Zagata  
Commissioner

## PUBLIC NOTICE

Dear Interested Citizen:

This mailing contains two Fact Sheets regarding inactive hazardous waste disposal sites; one on the Cantor Brothers Site (No. 152021), the other on the Minmilt Realty (Hygrade Metal Moulding) Site (No. 152147). The New York State Department of Environmental Conservation (Department) has included both Fact Sheets in this one mailing since these Sites are adjacent, have similar interested/affected public, will have field work starting at the same time, and to save on mailing costs.

Please contact any of the persons listed in the Fact Sheets with any questions or for further information. Your input is important to these projects.

Sincerely,

Steven M. Scharf, P.E.  
Project Engineer  
Bureau of Eastern Remedial Action  
Division of Environmental Remediation

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Michael D. Zagata  
Commissioner

**FACT SHEET #2**  
**July 1996**

**Cantor Brothers, Site #152021**  
**Engineers Lane**  
**East Farmingdale, New York**

The purpose of this fact sheet is to inform the public regarding an Interim Remedial Measure (IRM) that will be performed at the above site. Field work associated with the investigation of hazardous contaminants is scheduled to begin the week of July 29, 1996 at the above site located on Engineers Lane, East Farmingdale, in the Town of Babylon. The principle objective of the IRM for the Cantor Brothers Site is to define the extent of on-site soil contamination. This work was originally scheduled to begin in December 1994 per the Fact Sheet we mailed to you in November 1994. The start of this work was delayed while waiting for the for the Bankruptcy Court to provide funding for this project. The New York State Department of Environmental Conservation (NYSDEC) will use the information gathered during the IRM to decide how best to remediate any soil contamination found.

The field work is for an Interim Remedial Measure (IRM). This IRM is an interim action, which will begin to identify the source area of soil contamination for future clean up. The owner of the property will undertake the IRM under a legal agreement with New York State negotiated through a bankruptcy action. A Remedial Investigation/Feasibility Study (RI/FS) will be conducted in the future. That study is more comprehensive than the IRM and will determine the full nature and extent of all on-site and any off-site contamination, identify clean-up alternatives and recommend a remedy for the site.

**Site Description**

Cantor Brothers was a chemical repackaging facility, and handled petroleum distillate solvents, paint thinners, creosote, and other chemicals from approximately 1975 to 1992. The 3.2 acre site is located in an industrial and commercial area. The site is located on Engineers Lane between Smith Street on the north and Central Avenue on the south; and between New Highway on the west and Wellwood Avenue on the east. The site is listed as a Class 2 site (No.

152021) in the New York State Registry of Inactive Hazardous Waste Disposal Sites. Class 2 is assigned to sites where hazardous waste poses a significant threat to the public health or the environment. The surrounding community is supplied drinking water by the East Farmingdale water district. Public water supplies are monitored on a regular basis to assure they meet New York State drinking water standards.

A preliminary soil and groundwater investigation was done in 1983, followed by another soil and groundwater investigation in 1988. Volatile organic compounds and metals were found to exceed the State groundwater standards at the site. Additionally, semi volatile organic compounds, pesticides, and metals were found to exceed the State soil clean-up objectives.

### **IRM Field Activities**

Subsurface soil conditions will be investigated. Twenty-two soil borings will be completed. All of the storm drains on site and two secondary leaching pools will be sampled. The primary leaching pools for the two septic systems will be sampled. Five soil borings will be conducted through the former underground storage tank area. Borings will be completed through the former location of the gasoline underground storage tank and the former location of the fuel oil underground storage tank. A boring will be conducted through the stained asphalt area near the trash dumpster if the integrity of the asphalt is suspect.

Two groundwater monitoring wells will be installed upgradient of the site and one temporary downgradient monitoring well will also be installed. These three wells and the existing four monitoring wells on site will be sampled.

### **Citizen Participation**

This Fact Sheet is part of our Citizen Participation Program, through which we exchange information with the interested and affected public regarding the investigation and remediation of this and other inactive hazardous waste sites. The next citizen participation steps will be a Fact Sheet to discuss the results of the IRM and a public meeting, with notification thereof, to be held prior to the start of the RI/FS.

Documents associated with the site are available for the public to read in the document repositories listed here:

Half Hollow Hills Community Library

55 Vanderbilt Parkway

Dix Hills, NY 11746

(516) 421-4530

Hours: 9:30 am - 9:00 pm Monday-Friday

9:30 am - 5:00 pm Saturday

Noon-5:00 pm Sundays from September 18 to mid-June

Closed Sundays from mid-June to September 18

New York State Department of Environmental Conservation  
Hazardous Waste Remediation Unit  
Building 40  
State University of New York  
Stony Brook, NY 11794-2536  
Hours: 8:30 am - 4:45 pm Monday-Friday  
(516) 444-0249  
Contact: Joshua Epstein (see below)

If you have further questions, please contact:

Joshua Epstein  
Citizen Participation Specialist  
New York State Department of Environmental Conservation  
State University of New York  
Building 40  
Stony Brook, NY 11794-2536  
(516) 444-0249

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Project Manager  
NYSDEC  
50 Wolf Road  
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(518) 457-3395  
(800) 342-9296

For health-related concerns:

New York State Department of Health  
2 University Place  
Albany, NY 12203

Nina Knapp  
Health Liaison Program  
(518) 458-6402  
(800) 458-1158, ext. 402

John Olm  
Project Manager  
(518) 458-6305  
(800) 458-1158, ext. 305



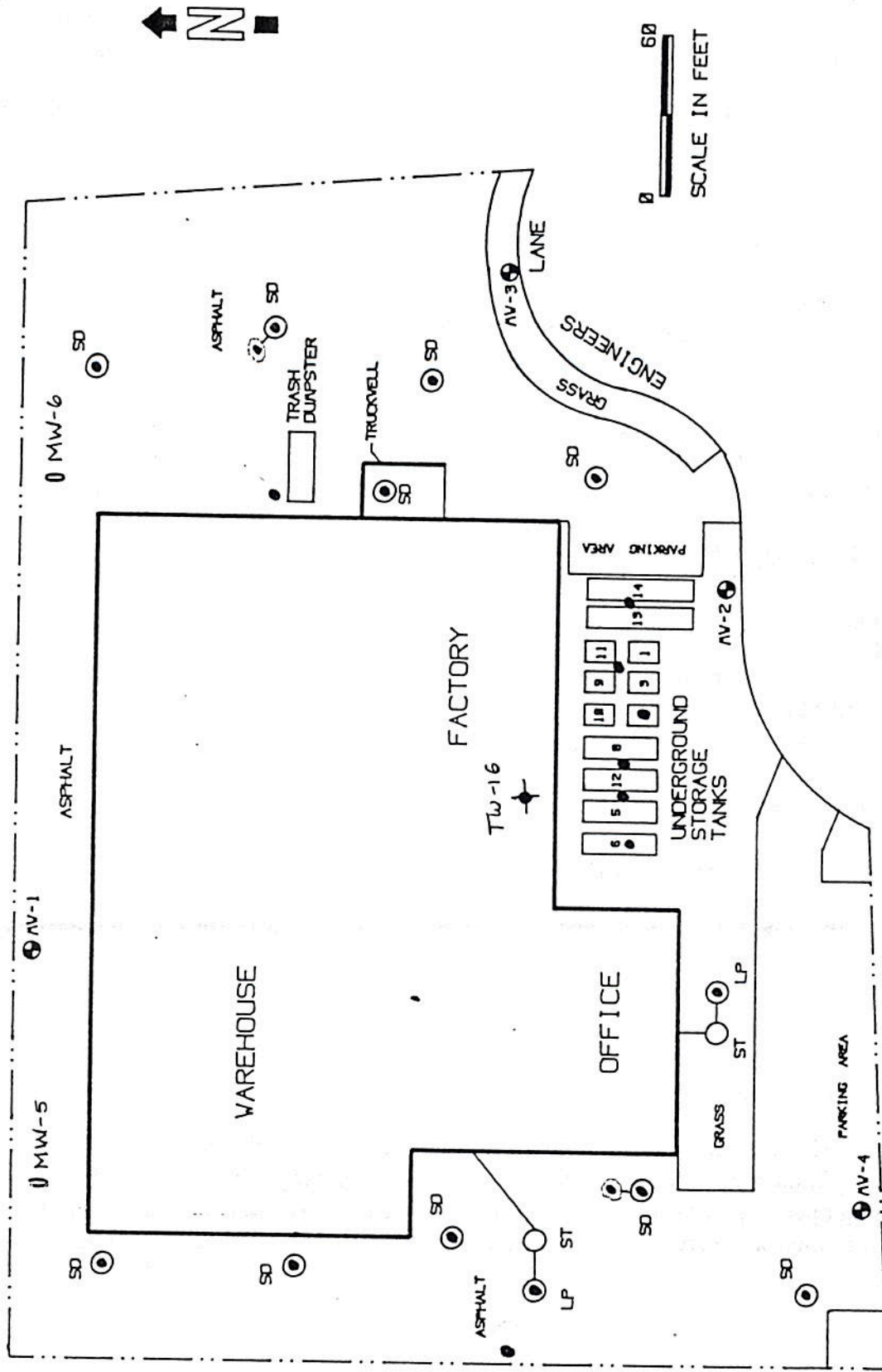


FIGURE 1  
GENERAL SITE MAP

CANTOR BROTHERS  
ENGINEERS LANE  
FARMINGDALE, NEW YORK

DTW-1

- Monitoring Well Location (Existing)
- NOTE: MONITORING WELL LOCATIONS ARE APPROXIMATE
- Soil boring
- ✦ Soil boring/gw sample location
- Proposed Monitoring Well Locations

SD - STORA DRAIN  
ST - SETTLING TANK  
LP - LEACHING POOL



**FACT SHEET #2**  
**July 1996**

**Minmilt Realty (Hygrade Metal Molding Corp.), Site #152147**  
**540 Smith Street**  
**East Farmingdale, New York**

The purpose of this Fact Sheet is to inform the public regarding the Interim Remedial Measure (IRM) that will be performed at the above site to remediate soil and groundwater. An IRM directly addresses relatively obvious and discrete sources of contamination associated with the site, while the more comprehensive and long-term Remedial Investigation/Feasibility Study (RI/FS) continues.

**Site Description**

The Minmilt Site in East Farmingdale, New York (see Figure 1 for location) is currently listed in the New York State Department of Environmental Conservation (NYSDEC) Registry of Inactive Hazardous Waste Disposal Sites (Site No. 1-52-147) as a Class 2 site. Class 2 is assigned to sites where hazardous waste poses a significant threat to the public health or the environment. A RI/FS was initiated in response to an Order on Consent entered into by the NYSDEC and Minmilt Realty Corp. on November 7, 1994. The objective of the RI/FS is to determine the nature and extent of contamination at the site; evaluate potential threats to human health and the environment; and then, if necessary, develop methods to remediate the contamination. To date, the on-site Remedial Investigation (RI), Risk Assessment and the design of the IRM have been completed.

**Results of the Remedial Investigation**

The primary contaminant at the site is tetrachloroethene (PCE), which was detected at levels exceeding allowable NYSDEC soil clean-up objectives and groundwater standards. The RI conducted at the site has determined that the source area for the contamination is limited to the east side of the building in the vicinity of the leaching pool that had formerly received discharges from a vapor degreasing operation in the building (see Figure 2). The unsaturated soils, i.e. soils above the water table, in the source area have been contaminated and continue to serve as a source of groundwater contamination. The vertical extent of the groundwater contaminate plume has been determined to extend to a depth of approximately 180 feet below land surface where it is contained by a clay layer. The depth to the water table is approximately 40 feet below land surface.

To initiate a timely and effective clean up of the on-site source of contamination, an IRM will be implemented. In fact, an evaluation of the different treatment options to clean the impacted soil and groundwater has already been performed as part of designing this IRM. The following is a description of the IRM technologies chosen for both soil and groundwater.

### **Interim Remedial Measure for Soil**

The technology selected for the treatment of the unsaturated soils beneath the Minmilt Site is Soil Vapor Extraction (SVE). SVE is the process of creating a vacuum in the unsaturated soils and extracting and treating the air (soil vapor) which will contain the contaminants. The benefits of SVE include relatively low costs, excellent contaminant removal efficiencies, minimal site disruptions, in place (no excavation) treatment capabilities and flexibility in design and operation of the system.

Soil vapor will be drawn from the SVE wells and piped to a treatment system, which will be located at the southern border of the Minmilt property (see Figure 2). Soil vapor will go through an air/water separator to remove excess moisture, through an air filter to remove dust or particulates, and finally through a Granular Activated Carbon (GAC) filter for the removal of the contaminants, specifically PCE, from the air. The treatment system will meet all NYSDEC requirements and its' efficiency will be routinely monitored.

### **Interim Remedial Measure for Groundwater**

The groundwater remediation system will consist of groundwater extraction pumps and an air stripper treatment system. The system is designed to collect contaminated groundwater and minimize further contaminant migration. In order to capture the majority of the contaminant plume, a two well system (one shallow and one deep) will be constructed. These locations have been chosen to yield the most efficient plume containment, intercepting contaminated groundwater from on site and drawing a portion of the off site plume back to the wells.

The groundwater treatment system will be a packed column air stripping tower. This method of treatment is very effective in the removal of volatile organic compounds, such as PCE, from groundwater and is in common use on Long Island for both drinking water treatment and groundwater remediation. Groundwater from the recovery wells enters the tower at the top and flows downward through a porous packing media while air is forced upward through the column. As the air flows through the water, the contaminants volatilize. The contaminants are transferred from a liquid (dissolved) phase to gaseous (vapor) phase and are forced out of the air stripper in the exhaust air flow.

The air stripper unit will be located near the southern property boundary of the Minmilt property adjacent to the SVE equipment shed. Treated groundwater from the air stripper will be pumped to a liquid phase GAC filter for a final "polish" and then flow by gravity to the Town of Babylon recharge basin located adjacent to the west side of the Minmilt property. Exhaust gases produced from the air stripping process will be routed to the GAC filter unit treating the soil vapor extraction off-gases.

## **System Monitoring**

The entire IRM system will undergo periodic monitoring to ensure effective operation. After system start up, weekly maintenance checks will be made to insure the system is operating properly. Samples from the air stripping tower and from the GAC filters will be collected on a monthly basis to monitor discharge compliance as well as clean up progression. Additionally, groundwater samples will be collected from the on-site groundwater monitoring wells on a quarterly basis to determine the effectiveness of the site clean up. At the end of each quarter, a report will be prepared and submitted to the NYSDEC to document the system's performance and the IRM's progress.

Quarterly groundwater quality data will be compared to upgradient groundwater quality and current NYSDEC groundwater standards. Once the groundwater quality data becomes consistent with background concentrations, a decision will be made by the NYSDEC to shut down the pump and treat system.

Cleanup progression for soil will be documented in the quarterly reports based upon recorded soil vapor quality data. Additionally, a final confirmatory round of soil samples will be collected to ensure the IRM was effective.

## **Citizen Participation**

This Fact Sheet is part of our Citizen Participation Program, through which we exchange information with the interested and affected public regarding the investigation and remediation of this and other inactive hazardous waste sites. A Citizen Participation Plan (CPP) has been prepared for the site and is available for the public to read at the document repositories listed below. The CPP provides the procedure for full two way communication with the public as the RI/FS proceeds. Stemming from this Plan, a public contact list and document repositories have been developed. A public meeting, to discuss the RI/FS Work Plan, was conducted in December, 1995. The next major outreach to the public will discuss the progress of the IRM. Additional opportunities for public involvement, including those associated with the broader RI/FS, will also continue to be implemented.

Documents associated with the site are available for the public to read in the document repositories listed below. The Citizen Participation Plan, the Remedial Investigation Work Plan, the Quality Assurance Project Plan, the Health and Safety Plan, the Remedial Investigation Report, the Risk Assessment, and the IRM Design Documents and Report have been placed in the repositories. The repositories are at the following locations:

Half Hollow Hills Community Library  
55 Vanderbilt Parkway  
Dix Hills, NY 11746  
(516) 421-4530

Hours: 9:30 a.m. - 9:00 p.m. Monday - Friday

9:30 a.m. - 5:00 p.m. Saturday

Noon - 5:00 p.m. Sundays from September 18 to mid-June

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Building 40  
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Stony Brook, NY 11794-2536  
(516) 444-0249  
Hours: 8:30 a.m. - 4:45 p.m., Monday - Friday  
Contact: Joshua Epstein (see below)

If you have further questions, please contact:

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Citizen Participation Specialist  
New York State Department of Environmental Conservation  
State University of New York  
Building 40  
Stony Brook, NY 11790-2356  
(516) 444-0249

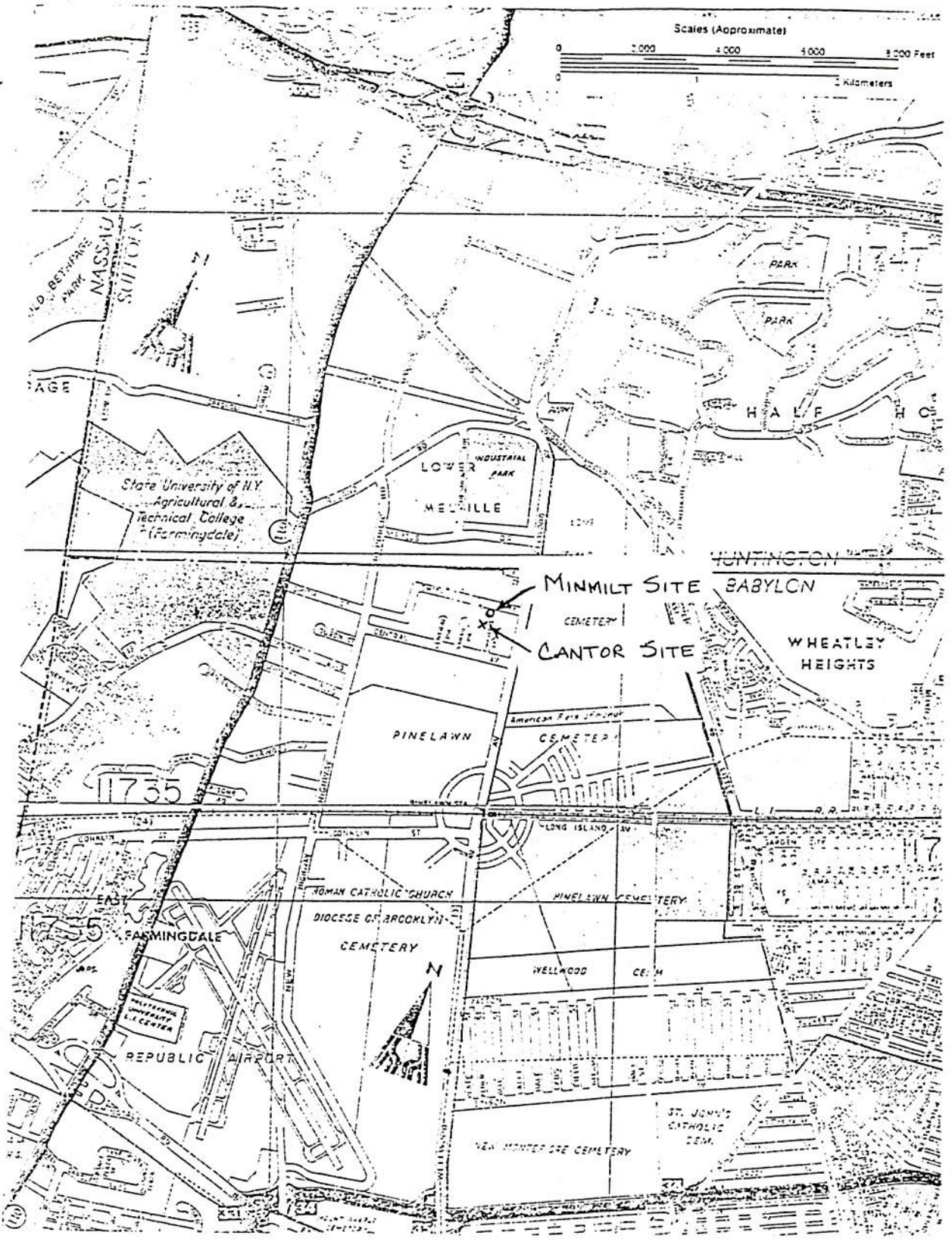
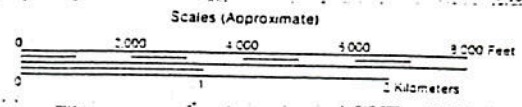
Steven M. Scharf, P.E.  
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For health-related concerns, please contact:

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2 University Place  
Albany, NY 12203-3399

Nina Knapp  
Health Liaison Program  
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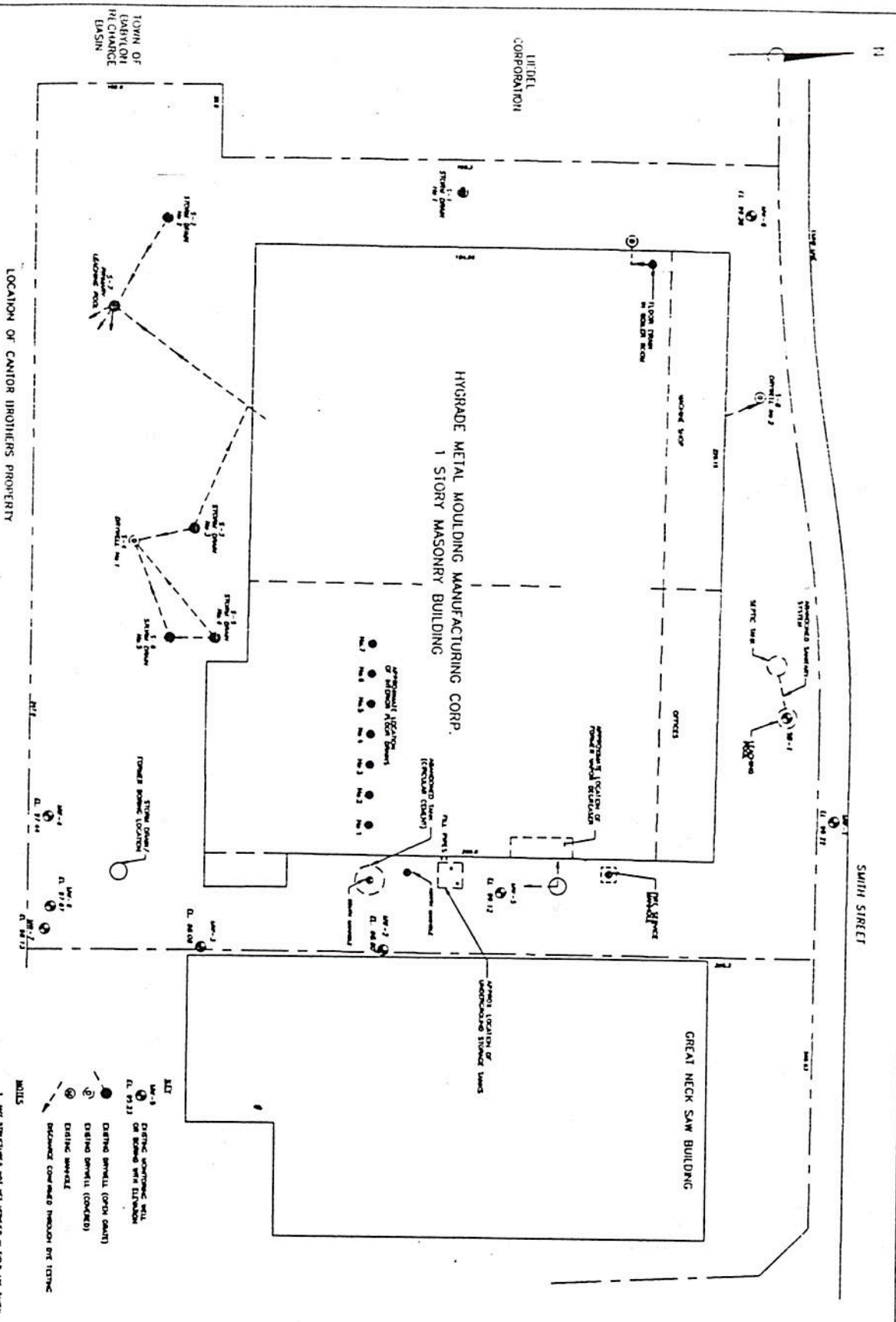
John Olm  
Project Manager  
(518) 458-6305  
1-800-458-1158, ext. 305



SITE LOCATION MAP

EAST FARMINGDALE N.Y.

FILE: MKA9201  
 DATE: 11/22/95  
 DWS:



**SITE PLAN**

- KEY**
- 1. ELECTRICAL CONTROL PANEL
  - 2. WATER SUPPLY
  - 3. SEWER
  - 4. GAS
  - 5. TELEPHONE
  - 6. APPROXIMATE LOCATION OF FOUNDATION OF PREVIOUS BUILDING
  - 7. APPROXIMATE LOCATION OF EXISTING FOUNDATION OF PREVIOUS BUILDING
- NOTES**
1. ALL UTILITIES AND WELLS SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
  2. LOCATION OF EXISTING UTILITIES AND WELLS IS BASED ON RECORD DRAWINGS AND FIELD SURVEY.
  3. ALL UTILITIES AND WELLS SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.

**SITE PLAN**

HYGRADE METAL MOULDING MFG. CORP.  
 540 SMITH STREET  
 EAST FARMINGDALE, N.Y.

FILE: MIN9501  
 DATE: 11/22/95  
 DWG.