



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF ENVIRONMENTAL REMEDIATION
Site Classification Report



DATE: 4/4/2017

Site Code: 152108	Site Name: Liberty Industrial Finishing Products
City: Brentwood	Town: Islip
Region: 1	County: Suffolk
Current Classification: 02	Proposed Classification: 04
Estimated Size (acres): 3.90	Disposal Area: Structure
Significant Threat: Previously	Site Type:
Priority ranking Score:	Project Manager: Payson Long

Summary of Approvals

Originator/Supervisor: Susan Edwards	11/22/2016
RHWRE: Walter Parish:	12/12/2016
BEEI of NYSDOH:	02/03/2017
CO Bureau Director: Michael Cruden, Director, Remedial Bureau E:	02/03/2017
Assistant Division Director: Michael J. Ryan, P.E.:	03/29/2017

Basis for Classification Change

Hazardous waste disposal at this site was addressed by implementation of the remedy identified for the site by one or more Records of Decision. All construction of the components of the site-wide remedy was completed no later than 2001. The Final Engineering Report (FER) confirms that the remedy has been constructed consistent with the requirements in the ROD(s). The FER is in DEC DOCS. Management of contamination remaining at the site, including any required monitoring, is and has been controlled pursuant to a Site Management Plan (SMP). A copy of the SMP is in DEC DOCS. Institutional controls in the form of an environmental notice are in place. A significant threat to public health and the environment no longer exists at the site. The site is properly remediated and requires site management, therefore, it qualifies for Class 4 status on the Registry of Inactive Hazardous Waste disposal sites. An Environmental Notice was filed with Suffolk county on June 7, 2017.

Site Description - Last Review: 01/04/2017

Location:

The site is approximately 4 acres in size, and is situated in a suburban area located at 550 Suffolk Avenue in the Hamlet of Brentwood, Town of Islip, Suffolk County, New York .

Site:

The site originally included one 30,000 square-foot, single-story, industrial building. The building was



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demolished by the Town, only the floor slab and foundation remains. The site is bordered by Suffolk Avenue to the north and the Long Island Railroad to the south with commercial properties to the east and west.

Current Use(s):

The site is currently unoccupied. The former building has been razed and all that remains is a concrete slab and an asphalt cap that covers the former underground plating-waste tank farm. The surrounding area includes commercial, recreational and some residential areas including the Long Island Railroad, the Town of Islip Athletic Field, an American Legion hall and the Brentwood Water District wellfield.

Historic Use(s):

Liberty Industrial Finishing was a metal finishing facility engaged in the finishing and plating of parts and components used primarily in the aircraft industry. An inspection in 1983 discovered potential leaks in two of the underground tanks containing cyanide and other compounds. Unauthorized discharges into cesspools and directly into the ground occurred in 1984. These wastewater discharges were contaminated with manganese phosphate, zinc phosphate, chromic acid and other compounds. The 1999 RI Report confirmed contamination in the surface and subsurface soil, four storm-water drywells, one leaching pool, sediment and groundwater. The EPA completed an Interim Remedial Measure (IRM) between August 1998 and January 1999 and removed waste materials from the interior of the industrial building and capped six underground storage tanks. The Town of Islip also excavated contaminated surface soil at the following adjacent properties; the Town of Islip Athletic Field and the Brentwood Water District property as an IRM. Over the entire site soils were excavated, to the extent feasible, to below commercial Soil Cleanup Objectives (SCOs). In areas where this was not feasible due to the proximity to the LIRR, the tanks were abandoned in place and filled with clean fill. The area was then capped with an asphalt cap approximately 30 ft by 155 ft.

The DEC issued a Record of Decision in March 1999. All remedial work specified in the Record of Decision was completed on September 18, 2001.

This site was determined to be a legacy soil vapor site. In 2011, a soil vapor intrusion evaluation was performed which resulted in a no further action needed determination with regard to soil vapor.

As part of site management activities groundwater monitoring has been conducted 15-month sampling cycle since 2007.

Site Geology and Hydrogeology:

The water table exists approximately 45-50 feet below ground surface. Groundwater from the site flows southeast (and therefore away from the Brentwood Water District well field). Several discontinuous clay layers ranging from 1 to 60 feet in thickness exist above 450 feet below ground surface in the area of the site.

Contaminants of Concern (Including Materials Disposed)	Quantity Disposed
OU 01	
1,1,1-TRICHLOROETHANE {(TCA) (FO01)}	0.00
CADMIUM (D006)	0.00
CHROMIUM (D007)	0.00
SPENT CYANIDE PLATING BATH SOLUTIONS AND SLUDGES (F007, F008).	0.00

Analytical Data Available for : Groundwater, Soil, Sediment

Applicable Standards Exceeded for: Groundwater, Soil



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Site Name: Liberty Industrial Finishing Products

Site Environmental Assessment - Last Review: 01/04/2017

Nature and Extent of Contamination:

Prior to remediation: Prior to remediation, the primary contaminants of concern at the site included semivolatile organic compounds (phenol, benzo(k)anthracene, chrysene, and benzo(a)pyrene) in the sediment/sludge from the stormwater dry wells, and metals (cadmium, chromium, copper, nickel, and zinc) in all media.

Post-Remediation: Remediation at the site is complete. The sample results from the eight wells included in the long term monitoring plan indicate that COCs are still present in groundwater at the Site. Achievement of water quality standards has not been consistently demonstrated at all sampling locations. However, given that the concentrations in the perimeter monitoring wells (i.e., MW-5 and MW-6) have not shown any significant increase in concentrations, no residual source is suspected to still exist on site. Soil was removed from the area of the USTs, piping gallery, leaching pools, dry wells, and catch basins. The majority of the site soil was excavated to below commercial SCOs. In the vicinity of the USTs, soil was excavated. However, due to the proximity to the LIRR contaminated soils were consolidated and capped with an asphalt cap.

Eight monitoring wells were identified for long term monitoring at the Site. The selected wells included MW-5, MW-6, MW-12, MW-14, MW-18, MW-19, MW-20, and MW-21.

Chromium exceedances in groundwater appear to be restricted to the historic contaminated area which extended from the former USTs to MW-14. The chromium contamination in groundwater does not appear to be migrating.

Site Health Assessment - Last Update: 12/06/2016

Remedial actions are complete and measures are in place to control the potential for coming in contact with residual contamination remaining at the site.

	Start		End	
OU 00				
OGC Docket - Deed Restriction	11/8/12	ACT	9/25/14	TRM
Periodic Review	10/30/09	ACT	5/19/11	ACT
Periodic Review	2/25/14	ACT	4/4/14	ACT
Periodic Review	3/1/17	ACT	4/15/17	PLN
Site Management	10/1/01	ACT	6/29/29	PLN
OU 01				
OGC Docket - Cost Recovery	8/19/15	ACT	5/15/17	PLN
OGC Docket - Deed Restriction	11/28/11	ACT	7/6/16	TRM
OGC Docket - Environmental Notice	8/14/14	ACT	7/6/16	ACT
Reclass Pkg.	11/22/16	ACT	8/15/17	PLN
Remedial Action	3/23/01	ACT	9/18/01	ACT
Remedial Design	6/1/99	ACT	3/28/00	ACT
Remedial Investigation	3/1/96	ACT	3/1/99	ACT
Site Characterization	6/1/86	ACT	2/1/92	ACT
VI Evaluation	9/28/07	ACT	11/3/11	ANF



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OU 01A

Remedial Action	8/1/98	ACT	1/1/99	ACT
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OU 01B

Remedial Action	8/1/98	ACT	8/1/98	ACT
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Remedy Description and Cost

Remedy Description for Operable Unit 01

The Record of Decision was signed on March 31, 1999. The ROD specified the following remedial goals for the Site: eliminate sources of contamination that exceed cleanup criteria: such as, surface soil, subsurface soil, and stormwater drywell or sanitary leaching pool sediments; eliminate, to the extent practicable, ingestion of groundwater affected by the Site that does not meet the NYSDEC Class GA Ambient Water Quality Criteria; mitigate potential impacts to the environment from contaminated groundwater by natural attenuation; and, eliminate the potential for direct human contact with contaminated soil onsite. To achieve the goals of the ROD remedial measures were performed. These measures included: clean-out of sediments in the stormwater and sanitary leaching galleries; removal of on-site hazardous wastes; delineation, excavation and disposal of on-site and off-site impacted soils; cleaning and closure in place of USTs and associated piping; placement of impermeable asphalt cap over USTs and associate piping; demolition and removal of the building; installation of perimeter security fence; and, installation and periodic sampling of groundwater monitoring wells to assess groundwater quality.

Total Cost \$501,700



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Remedy Description for Operable Unit 01A

Emergency removal of contaminated debris within former process building, along with pumping and pressure testing of exterior underground storage tanks.

Total Cost



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Remedy Description for Operable Unit 01B

Removal of arsenic contaminated soils from Gil Hodges Memorial Field, Water Tower Property, and American Legion Property. Soils were excavated to below residential SCOs.

Total Cost

OU 00 Site Management Plan Approval: 10/01/2001 Status: ACT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Form
 4/4/2017

SITE DESCRIPTION

SITE NO. 152108

SITE NAME Liberty Industrial Finishing Products

SITE ADDRESS: 500 Suffolk Avenue ZIP CODE: 11717

CITY/TOWN: Brentwood

COUNTY: Suffolk

ALLOWABLE USE: Industrial

SITE MANAGEMENT DESCRIPTION

SITE MANAGEMENT PLAN INCLUDES:

IC/EC Certification Plan	YES
Monitoring Plan	YES
Operation and Maintenance (O&M) Plan	YES

Periodic Review Frequency: every three years

Periodic Review Report Submittal Date:



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Site Name: Liberty Industrial Finishing Products

Description of Institutional Control

Liberty Industrial Finishing

500 SUFFOLK AVE

500 SUFFOLK AVE

Environmental Notice

Block: 3

Lot: 9

Sublot:

Section: 136

Subsection:

S_B_L Image: 136000300008000

IC/EC Plan

Monitoring Plan

Site Management Plan

Soil Management Plan

LIBERTY INDUSTRIAL PRODUCTS, INC.

500 SUFFOLK AVE

500 SUFFOLK AVE

Environmental Notice

Block: 3

Lot: 10

Sublot: 2

Section: 136

Subsection:

S_B_L Image: 136000300010001

Ground Water Use Restriction

IC/EC Plan

Landuse Restriction

Monitoring Plan

Site Management Plan

Soil Management Plan

Lot: 11

Sublot: 6

Section: 136

Subsection:

S_B_L Image: 500136000300011600

Ground Water Use Restriction

IC/EC Plan

Landuse Restriction

Monitoring Plan

Site Management Plan

Soil Management Plan



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Site Name: Liberty Industrial Finishing Products

Description of Engineering Control

Liberty Industrial Finishing

500 SUFFOLK AVE

500 SUFFOLK AVE

Environmental Notice - Institutional Control Instrument

Block: 3

Lot: 9

Sublot:

Section: 136

Subsection:

S_B_L Image: 136000300008000

Fencing/Access Control

LIBERTY INDUSTRIAL PRODUCTS, INC.

500 SUFFOLK AVE

500 SUFFOLK AVE

Environmental Notice - Institutional Control Instrument

Block: 3

Lot: 10

Sublot: 2

Section: 136

Subsection:

S_B_L Image: 136000300010001

Fencing/Access Control

Lot: 11

Sublot: 6

Section: 136

Subsection:

S_B_L Image: 500136000300011600

Cover System

Fencing/Access Control



PUBLIC NOTICE

State Superfund Program

Receive Site Information by Email. See next page to Learn How.

Site Name: Liberty Industrial Finishing Products

March, 2017

Site No.: 152108 **Tax Map No.:** 500-136-3-9, 500-136-3-11.6, 500-136-3-10.2

Site Location: 500 Suffolk Avenue, Brentwood, NY 11717

Inactive Hazardous Waste Disposal Site Classification Notice

The Inactive Hazardous Waste Disposal Site Program (the State Superfund Program) is the State's program for identifying, investigating, and cleaning up sites where the disposal of hazardous waste may present a threat to public health and/or the environment. The New York State Department of Environmental Conservation (DEC) maintains a list of these sites in the Registry of Inactive Hazardous Waste Disposal Sites (Registry). The site identified above, and located on the attached map, has been reclassified on the Registry as a Class 4 site as it no longer presents a significant threat to public health and/or the environment for the following reason(s):

Human exposures with residual contamination at the site are being addressed through the implementation of a Site Management Plan which includes an environmental notice that limits the use and development of the site to industrial use and prohibits the use of groundwater at the site as a source of potable or process water without prior approval. Compliance with the approved Site Management Plan and periodic certification by the property owner to the New York State Department of Environmental Conservation will ensure that the institutional and engineering controls remain effective.

If you own property adjacent to this site and are renting or leasing your property to someone else, please share this information with them. If you no longer wish to be on the contact list for this site or otherwise need to correct our records, please contact DEC's Project Manager listed below.

FOR MORE SITE INFORMATION

Additional information about this site can be found using DEC's "Environmental Site Remediation Database Search" engine which is located on the internet at:

www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3

Comments and questions are always welcome and should be directed as follows:

Project Related Questions

Payson Long, Project Manager

NYS Department of Environmental Conservation

DER – Remedial Bureau E

625 Broadway

Albany, New York 12233-7017

Payson.long@dec.ny.gov

518-402-9813

Approximate Site Location
Liberty Industrial Finishing Products
SITE ID 152108
500 Suffolk Avenue, Brentwood, NY 11717



Receive Site Updates by Email

Have site information such as this public notice sent right to your email inbox. DEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page:

www.dec.ny.gov/chemical/61092.html . It's *quick*, it's *free*, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

Note: Please disregard if you received this notice by way of a county email listserv.

Electronic copies:

R. Schick, Director, Division of Environmental Remediation
J. Quinn, Director, Bureau of Technical Support
K. Lewandowski, Chief, Site Control Section
M. Cruden, Director, Remedial Bureau E
W. Parish, RHWRE, Region 1
R. Evans, Regional Permit Administrator, Region 1
B. Fonda, Regional CPS, Region 1
K. Anders, NYSDOH
C. Bethoney, NYSDOH Project Manager and Regional Chief
L. Ennist, DER, Bureau of Program Management
D. Feldman - Suffolk County
P. Long, Project Manager
L. Zinoman, Site Control Section

Owner
P.O. Box 339
550 Suffolk Avenue
Brentwood, NY 11717

Gloria Russo, Director
Environmetnal Planning & Compliance
Corporate Safety Department
Long Island Rail Road
146-01 Archer Ave. MC 1428
Jamaica, NY 11435

Honorable Thomas Owens, Commissioner
Brentwood Hall
50 Irish Lane
East Islip, NY 11730

Angie Carpenter, Supervisor
Town of Islip
Town Hall
655 Main Street
Islip, NY 11751

Ron Meyer, Commissioner
Town of Islip Planning Board
Town Hall
655 Main Street
Islip, NY 11751

James Brown, Post Commander
American Legion Hall, Post 1006
198 1st street
Brentwood, NY 11717

Kevin Durk, Director
Water Quality & Laboratory Services
Brentwood Water District
4060 Sunrise Highway, Suite 1000
Oakdale, NY 11769

Manager
Peh Auto Center
510 Suffolk Avenue
Brentwood, NY 11717

Manager
Autozone
480 Suffolk Avenue
Brentwood, NY 11717

Steven Bellone, County Executive
H. Lee Dennison Building
110 Veterans Memorial Hwy
P.O. Box 6100
Hauppauge, NY 11788

Honorable Theresa Ward, Commissioner
H. Lee Dennison Bldg - 11th Fl.
100 Veterans Memorial Hwy #4
P.O. Box 6100
Hauppauge, NY 11788

Amy Juchatz
MPH Environmental Toxicologist
Suffolk Co. Dept. of Health Services
3500 Sunrise Highway, Suite 124
P.O. Box 9006
Great River, NY 11739

Mary Reid, President
Brentwood Public Library
34 Second Ave
Brentwood, NY 11717-0000

Elsa Ford, President and Founder
Brentwood/Bay Shore
Breast Cancer Coalition
P.O. Box 927
Brentwood, NY 11717-0993

Honorable Kristen E. Gillibrand
United States Senate
155 Pine Lawn Rd., Ste. 250 N
Melville, NY 11747-0000

Honorable Charles Schumer
United States Senate
145 Pine Lawn Rd., Ste. 300
Melville, NY 11747-0000

Honorable Thomas D. Croci
New York State Senate
3rd Senatorial District
NYS Office Building, Room 3B-41
250 Veterans Memorial Highway
Hauppauge, NY 11788

David Olsen
President/Chief of the Department
Brentwood Legion Ambulance Service
P. O. Box 506
Brentwood, NY 11717

Debby Krenek, Publisher
Newsday
235 Pine Lawn Road
Melville, NY 11747

Honorable Phil Ramos
Assemblymember
New York State Assembly
1010 Suffolk Ave.
Brentwood, NY 11717

Honorable Peter King
United States Congress
1003 Park Boulevard
Massapequa Park, NY 11762

Bethoney Charlotte Interim Region Chief
NYS DOH
Empire State Plaza
Corning Tower, Room 1787
Albany, NY 12237

Payson Long, Project Manager
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625 Broadway, 12th Floor
Albany, NY 12237

Rosalie Rusinko, General Counsel
NYS DEC
R3 White Plains Office
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White Plains, NY 10603

Walter Parish, RHWRE
NYS DEC
50 Circle Road
Stony Brook, NY 11790-3409

Jim Harrington, Bureau Director
NYS DEC
625 Broadway, 12th Floor
Albany, NY 12237



Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

SALLY DRESLIN, M.S., R.N.
Executive Deputy Commissioner

February 3, 2017

Michael Cruden, Director
Remedial Bureau E
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway
Albany, NY 12233

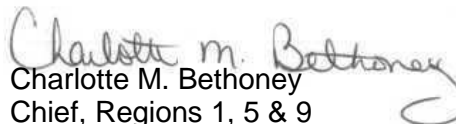
Re: **Site Classification Report**
Liberty Industrial Finishing Products
Site #152108
Brentwood, Suffolk County

Dear Mr. Cruden:

We have reviewed your Department's proposal to reclassify the referenced site from a Class 2 to a Class 4 on the New York State Registry of Inactive Hazardous Waste Disposal Sites. Based on that review, I understand the site has been remediated in accordance with the March 1999 *Record of Decision*. Human exposures with residual contamination at the site are being addressed through the implementation of a Site Management Plan which includes an environmental notice that limits the use and development of the site to industrial use and prohibits the use of groundwater at the site as a source of potable or process water without prior approval. Compliance with the approved Site Management Plan and periodic certification by the property owner to the New York State Department of Environmental Conservation will ensure that the institutional and engineering controls remain effective.

Based on this information, I believe the reclassification proposal is protective of public health and concur with the Class 4 classification. If you have any questions, please contact me at (518) 402-7860.

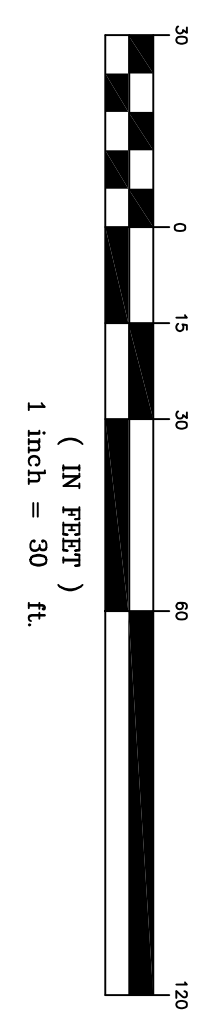
Sincerely,


Charlotte M. Bethoney
Chief, Regions 1, 5 & 9

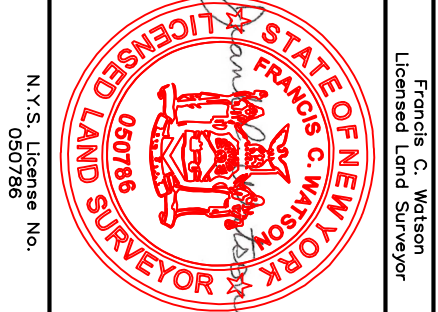
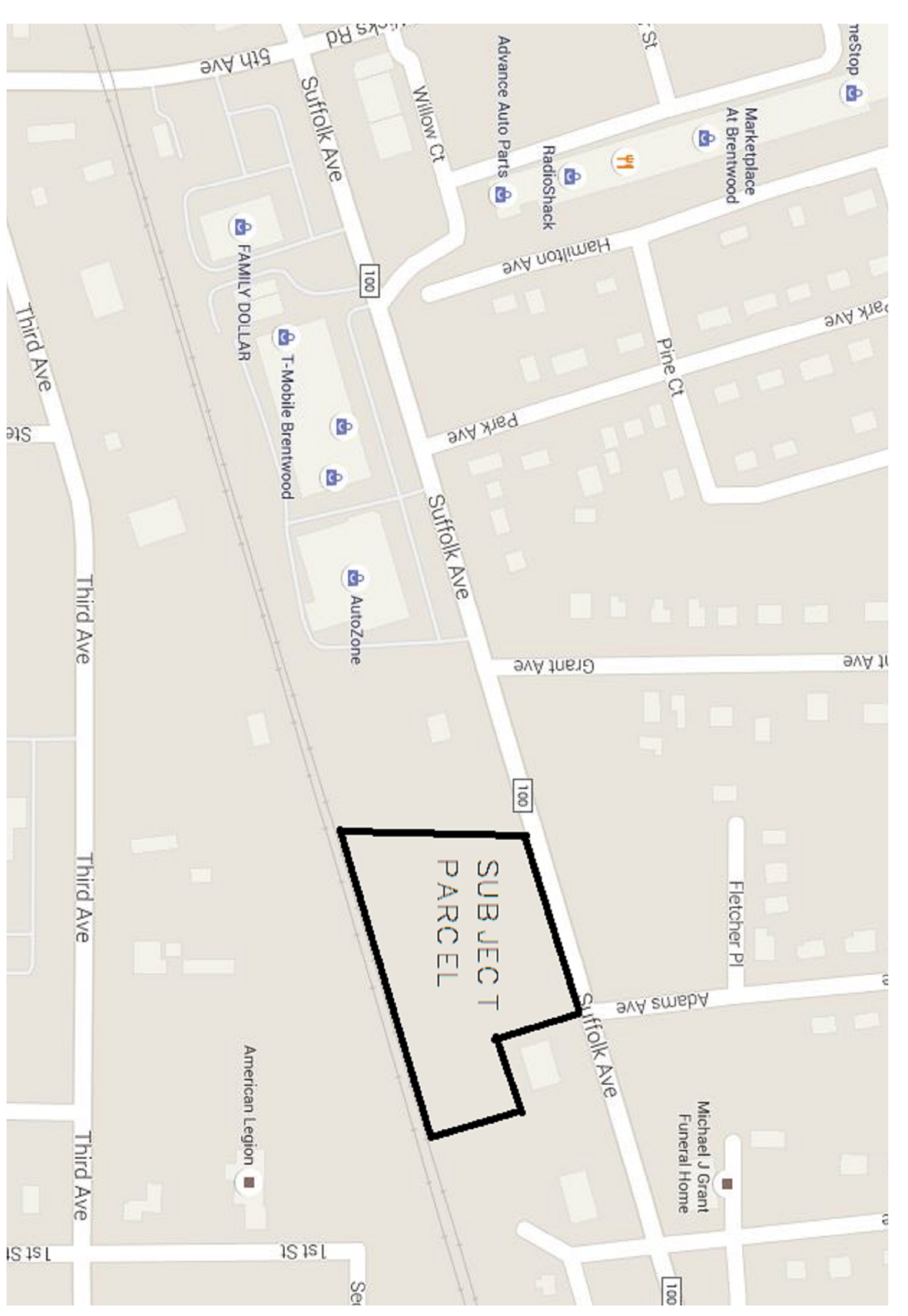
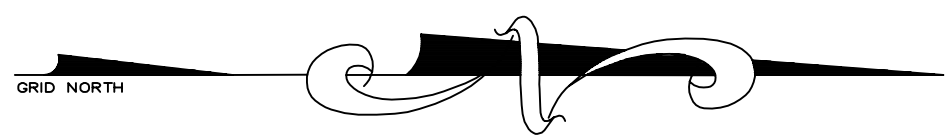
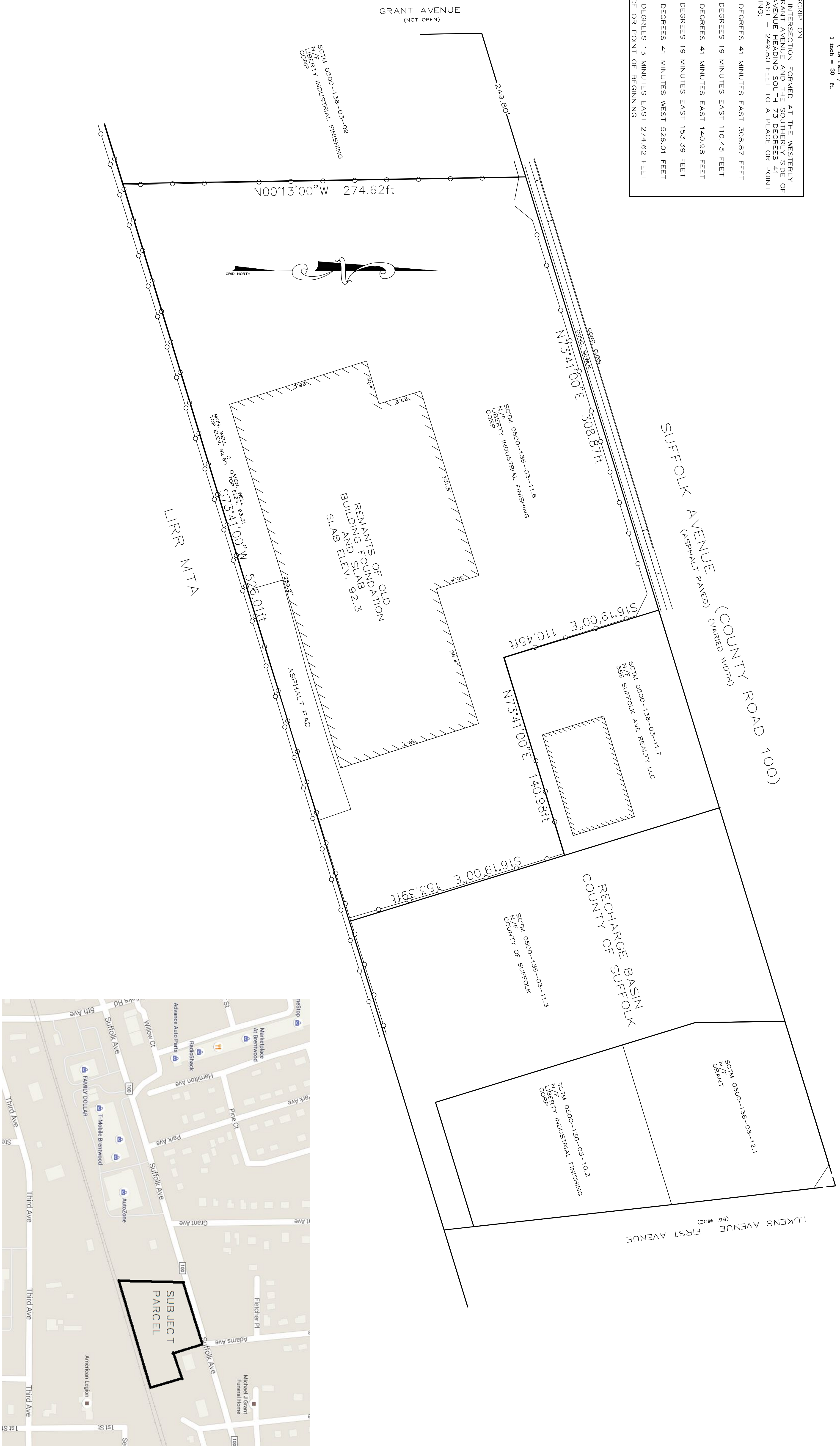
Bureau of Environmental Exposure Investigation

ec: K. Anders / M. Sergott / e-File
C. Westerman – NYSDOH MARO
A. Rapijko – SCDHS
M. Ryan / S. Edwards / P. Long / K. Lewandowski – NYSDEC Central Office
W. Parish – NYSDEC Region 1

GRAPHIC SCALE



LEGAL DESCRIPTION:
 FROM THE INTERSECTION FORMED AT THE WESTERLY SIDE OF GRANT AVENUE AND THE SOUTHERLY SIDE OF SUFFOLK AVENUE HEADING SOUTH 73 DEGREES 41 MINUTES 00 SECONDS EAST 249.80 FEET TO A PLACE OR POINT OF BEGINNING;
 THENCE NORTH 73 DEGREES 41 MINUTES EAST 308.87 FEET THENCE
 SOUTH 16 DEGREES 19 MINUTES EAST 110.45 FEET THENCE
 NORTH 73 DEGREES 41 MINUTES EAST 140.98 FEET THENCE
 SOUTH 16 DEGREES 19 MINUTES EAST 153.39 FEET THENCE
 SOUTH 73 DEGREES 41 MINUTES WEST 526.01 FEET THENCE
 NORTH 00 DEGREES 13 MINUTES EAST 274.62 FEET TO A PLACE OR POINT OF BEGINNING



Prepared by: Frederick C. Watson
 Licensed Civil Engineer
 License No. 11772
 F.C. Watson, Land Surveyor P.C.
 500 Suffolk Ave., Patchogue, NY 11772
 Phone: 631.447.6400
 Fax: 631.328.3422
 Email: f.watson@fcwsonline.com

ZONE	REV	DESCRIPTION	DATE	APPROVED

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

PREPARED FOR:
 Environmental Assessment & Remediations
 Patchogue, NY 11772
 PHONE: 631.447.6400

SURVEY OF EXISTING CONDITIONS OF DESCRIBED PROPERTY
 SC1M 0500-136-03-11.8 Liber-11906 Page 324
 BRENTWOOD TOWN OF ISUP SUFFOLK COUNTY NEW YORK
 COMMONLY KNOWN AS 500 SUFFOLK AVE
 BRENTWOOD NY 11717

SCALE: 1" = 30'
 Surveyed February 28, 2016