

Sampling and Analysis Plan

Former Ronkonkoma Wallpaper

934 Easton Street
Ronkonkoma, New York
Suffolk County
New York

NYSDEC Site No. E152191



Prepared by
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015

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1.0 Introduction

New York State Department of Environmental Conservation (NYSDEC) has developed this work plan in cooperation with the New York State Department of Health (NYSDOH) to complete the pre-design investigatory work at the Former Ronkonkoma Wallpaper Site located at 934 Easton Street, in Ronkonkoma, Suffolk County, NY (referred to herein as the site). The 3.3 acre lot was used to manufacture paint, then custom wallpaper. In 1984, the site was used to manufacture synthetic lumber shapes before becoming vacant in 2001. A site investigation determined that the site's soils have been impacted by the activities that occurred on the property. Based on the results of the investigation, Suffolk County applied to the Department's Environmental Restoration Program (ERP) for remedial program funding. Suffolk County entered into an Environmental Restoration Program with the NYSDEC in 2015 for this site.

2.0 Site Setting

2.1 Physical Setting

Location:

The property is located on the south side of Easton Street and is bounded on the east by Raynor Street, on the west by Elm Avenue, and on the south by residential properties. The site is approximately 3.3 acres in size.

Site Features:

There are currently no structures at the site. Tall grasses and shrubs dominate the central and northern portions of the site where buildings previously existed. Asphalt parking and driveways exist through the central, eastern and northwestern areas.

Current Zoning and Land Use:

The site is zoned for industrial use. The site is currently vacant. The site is surrounded by chain link fence and the gates are locked.

Past Use of the Site:

A former industrial building (approximately 35,000 square feet in size) and a separate boiler building (approximately 850 square feet in size) with a brick stack approximately 50 feet high previously existed at the site. The original building was constructed in the 1920's and was reportedly used for the manufacture of paints. It is not known when the facility converted from paint manufacturing to custom wallpaper production, but the wallpaper business left the facility before 1984. The site was then used to manufacture synthetic lumber construction shapes. Suffolk County acquired the property in 2001 for failure to pay property taxes. In 2002, the Real Property Unit of the Suffolk County Department of Planning made the decision to demolish the buildings on-site. Demolition of the buildings was completed in March 2004.

Site Geology and Hydrogeology:

The aquifer of concern at the former Ronkonkoma Wallpaper site is the Upper Glacial Aquifer which is an unconsolidated mixture of sand and gravel. The approximate thickness of the Upper Glacial Aquifer in Suffolk County is 100 feet with an estimated average horizontal hydraulic conductivity (permeability) of 270 feet/day and a vertical hydraulic conductivity of 27 feet/day. Clay layers, such as the Gardiners Clay and the “20 Foot Clay,” where present, may act as local confining units, separating the Upper Glacial Aquifer from the underlying Magothy Aquifer which is the principal source of drinking water in Suffolk County.

Depth to groundwater was approximately 65 feet below ground surface in monitor wells installed at the site, and groundwater flow is to the south. A site location map is attached as Figure 1.

2.2 Environmental Assessment

In April 2000, the Suffolk County Department of Health Services (SCDHS) sampled four stormwater drywells and a waste-water tank for volatile organic compounds (VOCs) and metals. Concentrations of lead were detected in the southeast storm-water drywell above restricted residential soil cleanup objectives. Three monitoring wells were installed at the site in order to collect water table groundwater samples. Results from the groundwater sampling indicated no groundwater impacts of concern.

During a June 2000 inspection of the site by the SCDHS, a 5,000-gallon heating oil underground storage tank (UST), a 1,000-gallon heating oil UST, two 275-gallon heating oil aboveground storage tanks (ASTs), and a 2,000-gallon aboveground industrial waste holding tank were noted as concerns. In 2004, the ASTs were removed and the USTs were excavated and removed from the site.

Soil: SVOCs and/or metals were detected in nine of the shallow soil samples (between 0-14 inches bgs) above the unrestricted use Soil Cleanup Objectives (UUSCOs). Benzo(a)anthracene was detected at 1.1 ppm, exceeding the UUSCO of 1.0 ppm. Benzo(b)fluoranthene was detected at 1.3 ppm, exceeding the UUSCO of 1.0 ppm. Chrysene was detected at 1.1 ppm, exceeding the UUSCO of 1.0 ppm. Indeno (1,2,3-cd) pyrene was detected at 0.56 ppm, exceeding the UUSCO of 0.500 ppm. Barium was detected as high as 12,400 ppm, exceeding the UUSCO of 350 ppm. Copper ranged from 52 ppm to 1,490 ppm, exceeding the UUSCO of 50 ppm. Chromium ranged from 32-344 ppm, exceeding the UUSCO of 30 ppm. Lead ranged from 73-2210 ppm, exceeding the UUSCO of 63 ppm. Nickel was detected at 32 ppm, exceeding the UUSCO of 30 ppm. Selenium was detected at 4.85 ppm, exceeding the UUSCO of 3.9 ppm. Zinc ranged from 187- 3,050 ppm, exceeding the UUSCO of 109 ppm.

Metals were detected in one of the deeper (14-20 ft bgs) soil borings above UUSCOs. Lead was detected at 135 ppm, exceeding the UUSCO of 63 ppm. Chromium was detected at 55 ppm, exceeding the UUSCO of 30 ppm.

A sample collected from one of the UIC structures contained concentrations of VOCs and metals

above the UUSCOs. Acetone was detected at 0.079 ppm, exceeding the UUSCO of 0.50 ppm. Chromium was detected at 14,700 ppm, exceeding the UUSCO of 30 ppm. Copper was detected at 420 ppm, exceeding the UUSCO of 50 ppm. Lead was detected at 72,100 ppm, exceeding the UUSCO of 63 ppm. Cyanide was detected at 35 ppm, exceeding the UUSCO of 27 ppm.

Groundwater: Groundwater analytical results were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQS) for Class GA groundwater. VOCs and SVOCs were not detected above laboratory method detection limits. Several inorganic metals were detected in each of the three groundwater samples above laboratory method detection limits. Sodium was detected in MW-1 and MW-5 and zinc was detected in MW-4 above NYSDEC AWQS but these are attributed to background levels for the area, since a source was not identified within the soils at the site.

2.3 Selected Remedial Action

According to the Record of Decision (ROD), based on the results of the Site Investigation Report and the criteria identified for evaluation of alternatives, the NYSDEC selected excavation and off-site disposal of contaminated soil as the selected remedial action.

The primary components of the remedy are as follows:

- Excavation of up to two feet of surface soils that exceed restricted residential soil clean up objectives (SCO) will occur at the site. The excavated soil will be disposed at a permitted facility.
- Post excavation samples will be collected to document remaining concentrations at the site.
- Backfill consisting of soil that meets NYSDEC subpart 375-6.8(b) for restricted residential SCO will be placed at the site to restore site grades.
- Where site contamination remains above restricted residential SCO, a demarcation layer and a minimum of two feet of backfill material will be placed above the contamination.

2.4 Site Personnel

Project Manager - Kerry Maloney will be responsible for the overall management of the pre-design investigation.

Call-out laboratory – Test America

3.1 Sampling Plan

The purpose of this sampling event is to provide a baseline for the design of the excavation plan of the site.

The scope of work for this plan includes:

- Collection of Samples
- GPS locating of samples
- Labeling and shipment of samples
- Analysis of Samples by a Laboratory

3.1 Utility Mark-outs and Off-site Access

Prior to mobilization, the necessary permits shall be obtained, utilities shall be marked out and property owners shall be contacted. A utility mark-out verification reference number for the site will be obtained. Proposed explorations shall be located a safe distance from utility mark-outs. Hand clearing each location, via hand auger, will be considered based on utility mark-outs.

3.2 Collection of Samples

The Site will be divided into a grid as shown in Figure 3. In general, samples will be collected for every grid. Grids are approximately 50ftx50ft. Utilizing a hand auger a hole will be drilled in the center of the grid or in the location that the sampler determines to be the best representative of the grid. A sample will be collected from each of the sample intervals indicated on Table 1. Once the sample is collected, a wooden stake will be placed in the sample location and labeled with the sample ID number. The location of the stake will be recorded with a hand held GPS device for mapping purposes. The stake will remain in place until confirmatory results are received from the lab.

The samples will be collected by the technician wearing disposable, nitrile gloves. Soil samples will be described according to the DER-10 guidance.

The following outlines the soil sampling procedures that will be employed to collect the soil samples:

- Using a pre-cleaned stainless steel hand auger or stainless steel scoop, advance the sampling equipment to the specified depths, see Table 1, and remove the soil.
- Place the soil into a stainless steel mixing bowl.
- Composite the contents of the mixing bowl and place an adequate volume into the appropriate containers.
- Appropriately label the jars
- Place the sample on ice in a cooler.
- Record observations in field book.
- Decontaminate equipment after each use and between sample locations.

3.3 Decontamination procedure

All down-hole drilling equipment, hand augers, and other tools will be decontaminated prior to its arrival at the site and between each use. All reusable sampling equipment will be decontaminated with a three step washing process that consists of a tap water rinse, an alconox and tap water wash, followed by a tap water rinse.

If visual contamination remains, new sampling equipment will be obtained or decontaminated procedures will be modified.

3.4 Analysis of Samples

All samples will be submitted to a New York State Department of Health-Environmental Laboratory Approval Program (NYSDOH-ELAP)-certified laboratory for analysis of metals via Method 6010 and semi-volatile organic compounds (SVOCs) via Method 8270 with a 10day turnaround period. Soil samples will be collected unpreserved in laboratory supplied 6-oz jars with 180 day sample holding time for metals analysis and 14 day sample holding time for SVOCs both stored at 4°C. ASP Category B deliverables will be reported for each sample.

Table 1 – Summary Table of Proposed Sampling Locations

Location	Matrix	Depths	Analytical Parameters	Method	QA/QC
SB-A1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-A2	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-A3	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-A4	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-A5	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	MS/MSD
SB-B1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-B2	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-B3	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-B4	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-B5	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	MS/MSD
SB-C1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-C2	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-C3	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-C4	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-C5	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	MS/MSD
SB-D1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	

SB-D2	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-D3	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-D4	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-D5	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	MS/MSD
SB-E1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-E2	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-E3	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-E4	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-E5	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-F1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-F2	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-F3	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-F4	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-F5	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-G1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-G2	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-G3	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-G4	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-G5	Soil	0-2", 6-12", 18-24"	Metals SVOCs	Method 6010 Method 8270	
SB-H1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-H2	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-H3	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	

SB-H4	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-H5	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-I1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-I2	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-I3	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-I4	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-I5	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-J1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-J2	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-J3	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-J4	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-J5	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-K1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-K2	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-K3	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-K4	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-K5	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-L1	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-L2	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-L3	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-L4	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
SB-L5	Soil	0-2", 6-12", 18-24"	Metals	Method 6010	
FD-X x 5	Soil	TBD	Metals	Method 6010	Field Duplicate

			SVOCs	Method 8270	
5 Field Duplicates + 4 MS/MSD					

Samples will be identified by using site number, sampling date, sample location, and sample depth.

3.5 Waste Characterization Sampling

The following samples will be collected for the purposes of waste characterization for the upcoming excavation activities planned for the site.

Table 2 - Waste Characterization Samples

Sample ID	Location	Discrete or Composite	Analysis	Analytical Method
WC - A2 (0-2)	A2 (0-2'')	Discrete	Total VOC	8260, 1311
WC - A4 (18-24)	A4 (18-24'')	Discrete	Total VOC	8260, 1311
WC - B1 (18-24)	B1 (18-24'')	Discrete	Total VOC	8260, 1311
WC - B4(0-2)	B4(0-2'')			8260, 1311
WC - C2 (0-2)	C2 (0-2'')	Discrete	Total VOC	8260, 1311
WC - C4 (18-24)	C4 (18-24'')	Discrete	Total VOC	8260, 1311
WC - D3 (0-2)	D3 (0-2'')	Discrete	Total VOC	8260, 1311
WC - D4 (18-24)	D4 (18-24'')	Discrete	Total VOC	8260, 1311
WC - E1 (18-24)	E1(18-24'')	Discrete	Total VOC	8260, 1311
WC - E3 (0-2)	E3 (0-2'')	Discrete	Total VOC	8260, 1311
WC - F2 (18-24)	F2 (18-24'')	Discrete	Total VOC	8260, 1311
WC - F5 (0-2)	F5 (0-2'')	Discrete	Total VOC	8260, 1311
WC - G2 (18-24)	G2 (18-24'')	Discrete	Total VOC	8260, 1311
WC - G3 (0-2)	G3 (0-2'')	Discrete	Total VOC	8260, 1311
WC - H1 (0-2)	H1 (0-2'')	Discrete	Total VOC	8260, 1311
WC - H3 (18-24)	H3 (18-24'')	Discrete	Total VOC	8260, 1311
WC - H5 (18-24)	H5 (18-24'')	Discrete	Total VOC	8260, 1311
WC - I3 (0-2)	I3 (0-2'')	Discrete	Total VOC	8260, 1311
WC - I1 (18-24)	I1 (18-24'')	Discrete	Total VOC	8260, 1311
WC - J4 (0-2)	J4 (0-2'')	Discrete	Total VOC	8260, 1311
WC - J2 (18-24)	J2 (18-24'')	Discrete	Total VOC	8260, 1311
WC - K3 (0-2)	K3 (0-2'')	Discrete	Total VOC	8260, 1311
WC - K5 (18-24)	K5 (18-24'')	Discrete	Total VOC	8260, 1311
WC - L2 (18-24)	L2(18-24'')	Discrete	Total VOC	8260, 1311
WC - L4 (0-2)	L4 (0-2'')	Discrete	Total VOC	8260, 1311
WC - F2 (18-24)	F2 (18-24'')	Discrete	Total VOC	8260, 1311
WC - F5 (0-2)	F5 (0-2'')	Discrete	Total VOC	8260, 1311

WC - A3(6-12)/ A4(6-12)	A3(6-12")/ A4(6-12")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - B1(18-24)/ B3(18-24)	B1(18-24")/ B3(18-24")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - C2(0-2)/ C4(0-2)	C2(0-2")/ C4(0-2")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - D3(6-12)/ D4(6-12)	D3(6-12")/ D4(6-12")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - E1(18-24)/ E5(18-24)	E1(18-24")/ E5(18-24")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - F2(0-2)/ F4(0-2)	F2(0-2")/ F4(0-2")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - G3(6-12)/ G4(6-12)	G3(6-12")/ G4(6-12")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - H1(18-24)/ H3(18-24)	H1(18-24")/ H3(18-24")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - I2(0-2)/ I4(0- 2)	I2(0-2")/ I4(0-2")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - I3(6-12)/ I4(6-12)	I3(6-12")/ I4(6-12")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - J1(18-24)/ J5(18-24)	J1(18-24")/ J5(18-24")	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B

WC - J2(0-2)/ J4(0-2)	J2(0-2'')/ J4(0-2'')	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - K3(6-12)/ K4(6-12)	K3(6-12'')/ K4(6-12'')	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - L1(18-24)/ L3(18-24)	L1(18-24'')/ L3(18-24'')	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B
WC - L2(0-2)/ L4(0-2)	L2(0-2'')/ L4(0-2'')	Composite	TCLP, Total SVOCs, Metals, Mercury, PCBs, Pesticides	1311, 8270, 6010, 8082, 8081B, 7471B

Samples will be identified by using site number, sampling date and sample ID.

The following outlines the semi-compositing soil sampling procedures that will be employed to collect the composite samples:

- Using a pre-cleaned stainless steel hand auger or stainless steel scoop, advance the sampling equipment to the specified depths, see Table 2, and remove the soil.
- Place the soil into a sampling jar filling up half way
- Move to the second location listed in Table 2 for the composite sample
- Having Decontaminated the stainless steel hand auger or stainless steel scoop, advance the sampling equipment to the specified depth
- Place the soil into the sampling jar filling up the rest of the way to the cap.
- Seal cap
- Appropriately label the jars
- Place the sample on ice in a cooler.
- Record observations in field book.
- Decontaminate equipment after each use and between sample locations.

3.6 Schedule and Staffing

This task is expected to occur in mid to late April 2015. The staffing level required is 3 teams of 2 for a total of 6 DEC personnel. It should take a total of three days, including travel to and from the site from Albany Office. The second day of sampling will be the only full day of sampling and as such may run long to ensure the collection of all samples within the specified timeframe.

4.0 Reporting

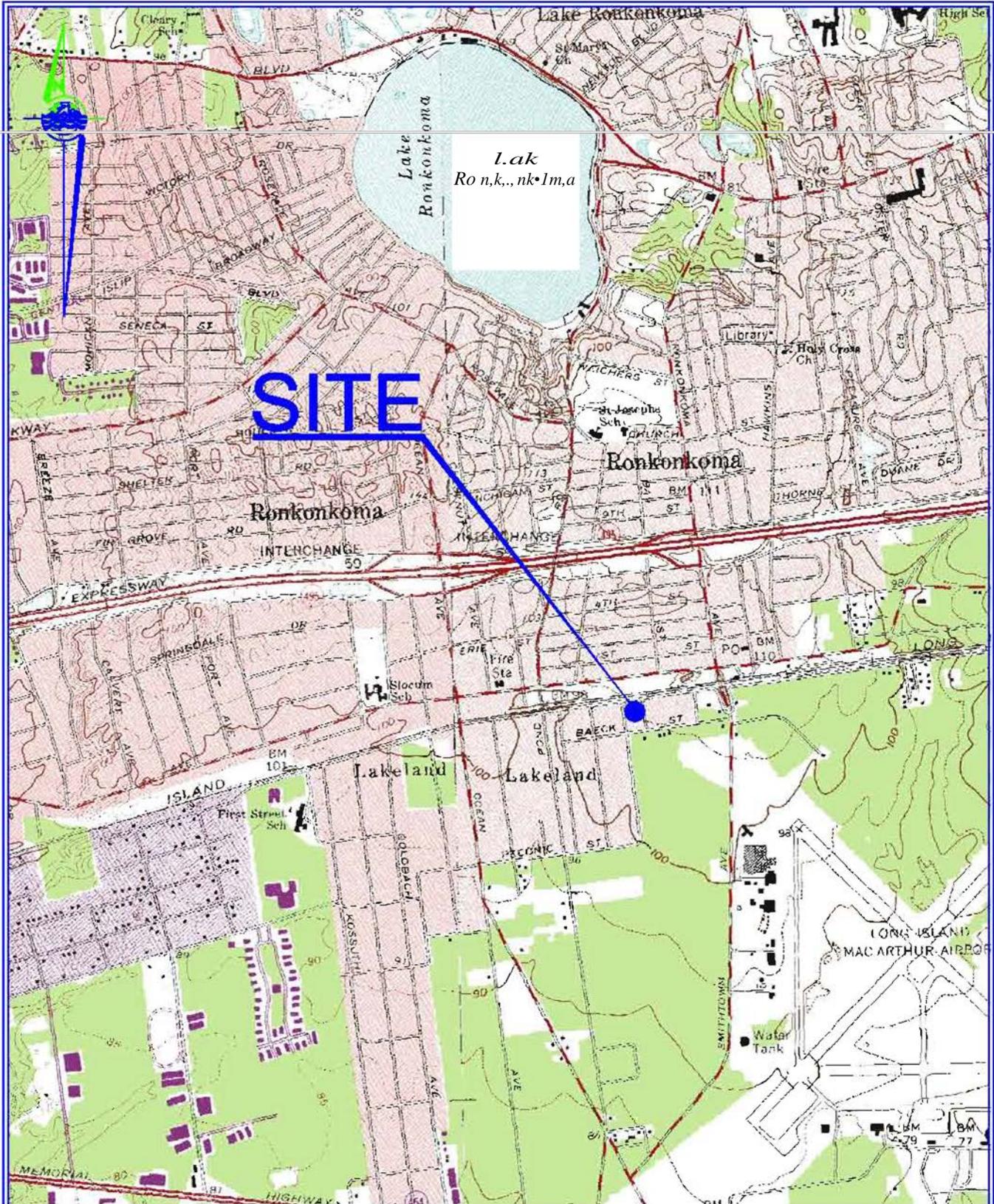
4.1 Data Validation and Electronic Data Deliverables

Laboratory data will be reviewed by a NYSDEC data reviewer and a data quality report will be prepared. Category B data deliverables and NYSDEC electronic data deliverables (EDD) will be provided by the laboratories. An EDD submission to NYSDEC will be performed.

4.2 Tabulation and Report of Results and Conclusion

The data obtained from this pre-design investigation will be summarized in letter report form and tabulated and figures generated. All soil samples collected will be compared to Part 375-6 restricted-residential use SCOs.

Figures



SITE

VICINITY MAP

SCALE = 1:24,000

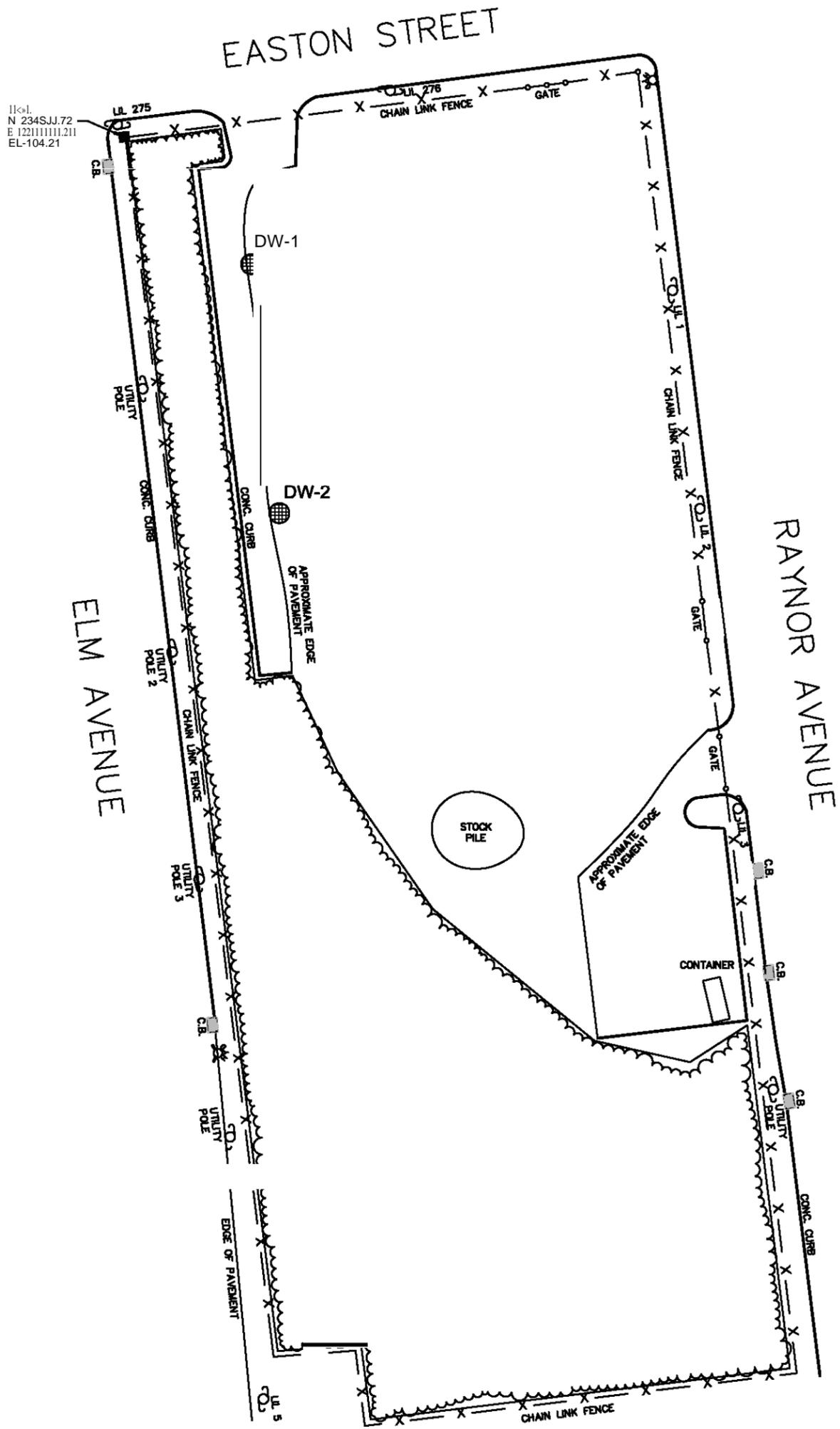
M we/1, editelS. MflUblst1e: by the G flj):lcal S1.1"" Y
 RfVired 111 coop.ariffH1n w: New Yorio.
 Oe-p21 riment of lmlf.S.porr bon

J\Prnjerni S\Z\SHD\F002\ Ronkonkoma\WallpG\CAD\Vic:lnly Mspdwg (8x11V) Sep 18,2010-3:15pm BY: guzrr91



**934 EASTON STREET
 RONKONKOMA, NY**

Figure 1



LEGEND
 9 DRYWELL

plan.dwg (Fig 2) Apr 05, 2013 2:17pm By: lund

DRAWING PROVIDED BY:
 YOUNG & YOUNG
 400 OSTRANDER AVENUE
 RIVERHEAD, NY 11901
 DATE OF SURVEY: 03/16/2010

SITE PLAN

SCALE: 1" = 60'



830 JOHNSON AVE., SUITE 7
 BOHEMIA, NY, 11718-2618
 PH: (831) • FX: (831) 116
 E-MAIL: INFO@PWGROSSER.COM

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING,
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DRAWINGS PREPARED FOR

REVISION	DATE	INITIALS	COMMENTS

DRAWING INFORMATION
 PROJECT: SHD1002 N/PROYED BY: PWG
 DESIGNED BY: DE DATE: 4/20/10
 DRAWN BY: LLG AS SHOWN

SHEET NO	
SITE PLAN	
934 EASTON STREET RONKONKOMA, NY	
FIGURE NO	2
SHEET	- OF -

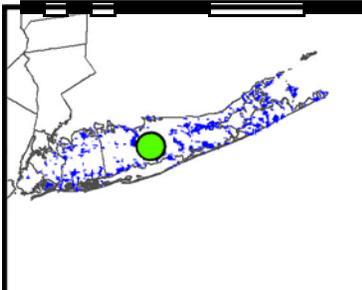


Figure 3
 Site Location Map
 E152191
 394 Easton St.
 Ronkonkoma



Appendix A

Health and Safety Plan

Former Ronkonkoma Wallpaper

Site Address: 934 Easton Street, Ronkonkoma, New York

Suffolk County

Site No.: E152191

The proposed date of sampling is April 2015. The Site Investigation of the property is dated April 2012. It is a vacant, fenced property.

The contaminants of concern at this site include lead, chromium, copper and barium.

The overall hazard level anticipated on-site for the activities as listed in this sampling and analysis plan are low.

ON-SITE ACTIVITIES

- | | |
|--|---|
| Has this site been sampled and/or investigated before? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Has the site perimeter been identified? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Is the site fenced? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Is a site map/sketch available? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Has areas of contamination been identified? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Will air quality monitoring be done on-site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Is sampling planned at this site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Soil Parameters to be analyzed for: Metals and SVOCs

The proposed on-site activities include:

- Drilling down to 2 ft below ground surface (bgs) with a hand-auger
- Collection, compositing, and sampling of soil samples
- Decontamination of the hand auger and any other tools that are to be re-used
- Survey of the sampling point using a Trimble GPS unit

Respiratory Protection Required? Yes No

Personnel Protection anticipated: Level D (no external respiratory protection)

Personal Protection Equipment for Level D: work clothes
work boots
nitrile gloves

Air quality monitoring equipment to be used: None

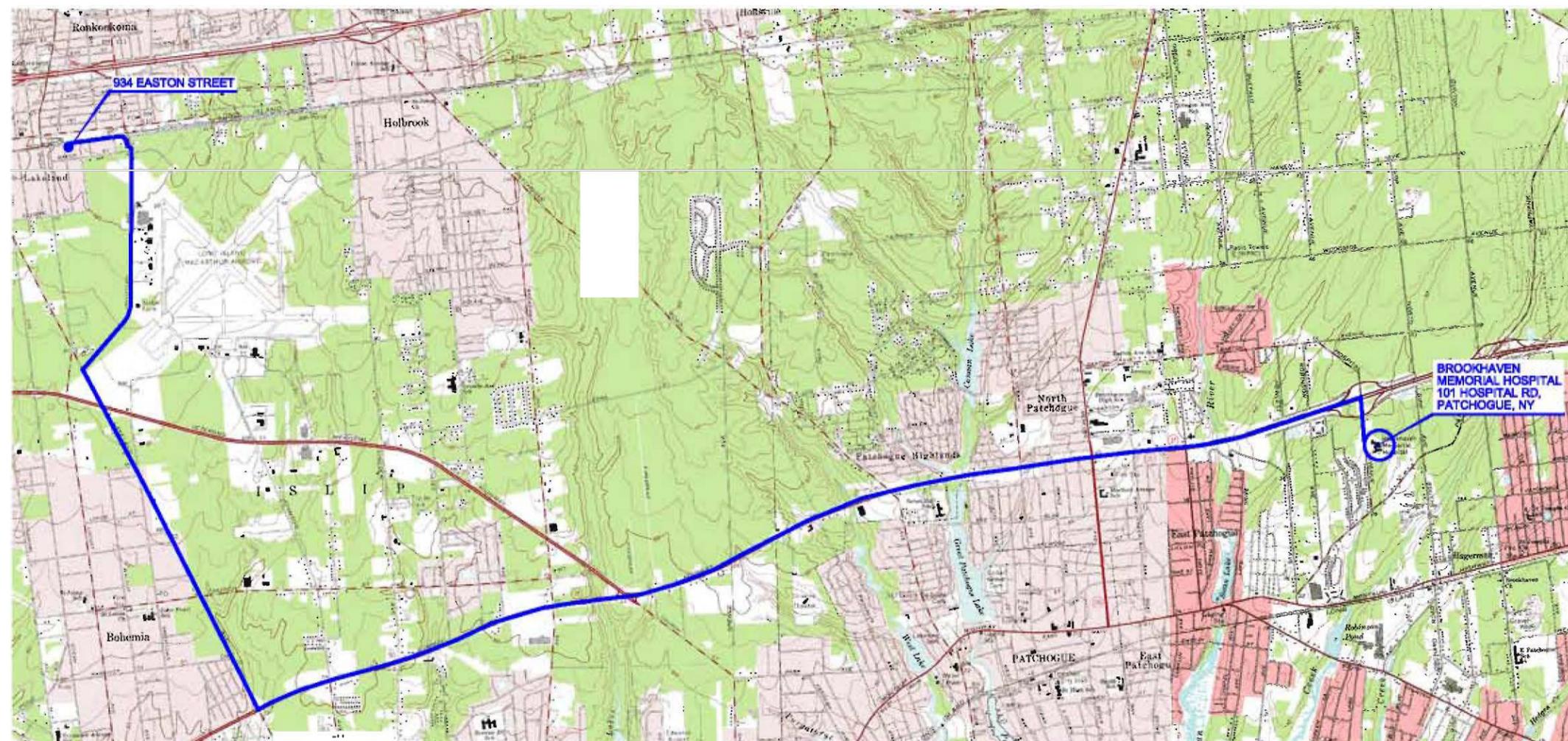
General Safety Practices

All project personnel shall follow the following safety practices:

- Avoid skin exposure to subsurface materials. Remove any excess residual soil from clothes prior to leaving the site.
- No eating or drinking in designated work areas. Thoroughly wash hands prior to these activities outside the work area. Avoid sitting on the ground during breaks or while eating and drinking. Thoroughly wash all exposed body areas at the end of the workday.
- Be aware of site conditions (slips trips and falls) and climatic conditions (heat and cold) when performing site activities.

EMERGENCY PLANNING

	<u>Address</u>	<u>Phone</u>
Hospital	Brookhaven Memorial Hospital 101 Hospital Road Patchogue, NY 11772	911 (631)654-7100
Ambulance	Medical Express 2184 Pond Road #A Ronkonkoma, NY	911 (631)588-7100
Police	Suffolk County Police Department 6th Precinct 400 Middle Country Rd, Selden Selden, NY	911 (631) 854-8600
NYSDEC	Kerry Maloney 625 Broadway Albany, NY 12233-7015	(518) 402-9622
NYSDOH	Wendy Keuhner Bureau of Environmental Exposure Investigation Empire State Plaza, Corning Tower Room 1787 Albany, NY 12237	(518)402-7870
Suffolk County – Owner/Applicant	Honorable Joanne Minieri Deputy County Executive H. Lee Dennison Building P. O. Box 1600 100 Veterans Memorial Highway Hauppauge, New York 11788	(631)853-4000



HOSPITAL ROUTE MAP

SCALE= 1:12,000

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DRAWINGS PREPARED FOR

REVISION	DATE	INITIALS	COMMENTS

DRAWING INFORMATION	
PROJECT: DPW0702	APPROVED BY: PWG
DRAWN BY: JE	DATE: 12/3/07
DRAWN BY: LLC	SCALE: AS SHOWN
SHEET TITLE	

934 EASTON STREET TO
 BROOKHAVEN MEMORIAL
 HOSPITAL
 101 HOSPITAL RD,
 PATCHOGUE, NY