March 20, 2014

Simon Dushinsky
The Rabsky Group
39 Heyward Street
Brooklyn, NY 11205

Re: **644 East 14th Street, Manhattan, NY**
Block 396 Lot 29

Dear Mr. Dushinsky:

Environmental Business Consultants (EBC) performed a Limited Phase II subsurface investigation at the above referenced property on March 13, 2014, confirm the presence of a possible No. 2 fuel oil underground storage tank within the small yard on the south side of the property, and determine if the historic use of the Site as an automotive service facility has negatively impacted subsurface soil and/or groundwater.

Property Description
The street address for the Site is 644 East 14th Street, Manhattan, New York 10009. The Site is identified as Block 396, Lot 29 on the Borough of Manhattan Tax Map (New York County). The Site is located on the southwest corner of the intersection of Avenue C and East 14th Street. Lot 29 is a rectangular shaped lot consisting of 114.75 feet of frontage on Avenue C and 88 feet of frontage on East 14th Street for a total of approximately 10,098 ft^2 (0.23 acres). The Site is currently developed with a vacant warehouse/commercial building formerly utilized by Strauss Discount Auto as an auto parts store. A small paved driveway on Avenue C provides access to a steel roll-up door of a former automotive service area.

Phase I Environmental Site Assessment
A Phase I Environmental Site Assessment Report was completed by Hydro Tech Environmental, Corp. in December of 2013. The Phase I noted that prior to 1948, the Site was developed with one 6-story building and two 5-story buildings with multiple storefronts. The current one-story commercial building was constructed in 1948, and has been utilized for auto parts sales and auto repair since construction. The historic Sanborn maps included within the Phase I Report notes an automotive service area was located within the building along Avenue C.

During the site inspection performed as part of the Phase I Environmental Site Assessment, Hydro Tech Environmental, Corp. observed a No. 2 fuel oil fill port within the small yard located on the south side of the building. Hydro Tech Environmental, Corp. listed the No. 2 fuel oil fill port as a recognized environmental condition within the Phase I Environmental Site Assessment Report.

However, EBC was provided a copy of a figure (dated 6/30/2009) prepared by Pillori Associates, PA, which noted the locations in which several geotechnical soil borings and monitoring wells were installed. The location of the No. 2 fuel oil fill port corresponded with the same location as monitoring well W-1, so EBC removed the fill port to confirm it was a 1" diameter PVC monitoring well, and not a No. 2 fuel oil fill port. This monitoring well (W-1) was sampled as part of the subsurface investigation and was listed as Empty Lot MW.

A copy of the Phase I Environmental Site Asessment Report, and a copy of the Pillori Associates, PA figure are attached in **Appendix A**.

Phase II Environmental Investigation

Soil Sampling

Six soil boring locations (B1 through B6) were selected as shown on **Figure 1.** Four of the soil borings (B1 through B4) were performed within the area identified on the Sanborn maps as being utilized for auto repair, on soil boring was performed within the small yard on the south side of the building (B6), and one soil boring was performed within the one-story addition accessed from the rear yard (B5) because spray painted words on the interior walls of the building indicated this area was also utilized for automotive repair or bulk petroleum storage.

All borings were advanced with Geoprobe™ direct push equipment and sampled with a 4 foot macro core sampler using disposable acetate liners. Soil was characterized by a Qualified Environmental Professional (QEP) and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID).

At each of the soil boring locations, soil samples were collected continuously from grade to refusal which was encountered across the Site at depths ranging from 1 foot to 7 feet. Retrieved sample cores were field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. Soil recovered within each of the six soil borings consisted of historic fill material. Soil boring logs are attached in **Appendix B**.

Soil boring B1 was advanced to a depth of approximately 6 feet within the northern end of the former automotive service area. A 6" layer of a thick/hard tar was recovered within the 4 to 6 interval. EBC suspects the tar is associated with buried building materials, and not representative of a spill/release. No sample was retained from B1.

Soil boring B2 was performed approximately 15 feet south of B1, but refusal was encountered at a depth of approximately 2 feet. No soil was recovered within the macrocore liner, therefore no soil sample was retained for laboratory analysis.

Soil boring B3 was performed approximately 12 feet east of B1, but refusal was encountered at a depth of approximately 1 ft. Soil sample B3 @ 1' was retained for laboratory analysis. No PID values above background concentrations were detected.

Soil boring B4 was performed in the southern end of the former automotive service area and was completed to refusal which was encountered at a depth of approximately 6 feet. Soil sample B4 @ 6' was retained for laboratory analysis. No PID values above background concentrations were detected.

Soil boring B5 was performed in the one-story addition accessed from the rear yard. Spray paint was observed on the concrete block walls that indicated bulk storage of petroleum products. B5 was performed to a depth of approximately 7 feet. Soil sample B5 @ 7 ' was retained for laboratory analysis. No PID values above background concentrations were detected.

Soil boring B6 was performed in small yard on the south side of property to refusal at a depth of approximately 4 feet. Soil sample B6 @ 4' was retained for laboratory analysis. No PID values above background concentrations were detected.

Groundwater Sampling

Two groundwater samples were collected at the Site in the locations shown on **Figure 1**. Groundwater sample "Corner MW" was collected from the existing geotechnical monitoring located within the sidewalk at the northeast corner of the building. Groundwater sample "Empty Lot MW" was collected

from the existing geotechnical monitoring well located within the small yard on the south side of th property. A peristaltic pump fitted with disposable polyethylene tubing and disposable peristaltic pump tubing was used to purge approximately 3 to 4 gallons of groundwater from both monitoring wells prior to sample collection. Groundwater was encountered within both monitoring wells at a depth of approximately 6 feet below grade.

Sample Handling and Analysis
Collected samples were appropriately packaged, placed in coolers and shipped via laboratory dispatched courier for delivery to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). Each of the retained soil samples were analyzed for volatile organic compounds (VOCs) by USEPA method 8260 and semi-volatile organic Compounds (SVOCs) by USEPA method 8270. Both groundwater samples were analyzed for VOCs by USEPA Method 8260.

Results
Soil sample results were compared to the Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in NYSDEC CP51 Soil Cleanup Guidance (10/21/10). Groundwater results were compared to the New York State 6NYCRR Part 703.5 Class GA groundwater standards. Analytical data for the soil samples are summarized in **Tables 1** through **3**, and a copy of the laboratory analytical report is included in **Appendix C**.

As presented in **Table 1**, no VOCs were detected within the four retained soil samples at a concentration above NYSDEC Part 375.6 Unrestricted Use SCOs. Tetrachlorotheylene (PCE) was detected at a concentration below Unrestricted Use SCOs within soil sample B6 @ 4' (280 ppb). PCE was not reported in any of the other soil samples, and was not detected in any of the groundwater samples, and is therefore not considered a significant concern.

As presented in **Table 2,** multiple SVOCs were detected above NYSDEC Part 375.6 Restricted Residential Use SCOs with 2 of the 4 soil samples. SVOC exceedences included benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene. The distribution and concentrations reported within the soil samples are indicative of values typically observed within historic fill material present throughout NYC and are not indicative of a spill/release.

As presented in **Table 3**, no VOCs were detected within either monitoring well above the laboratory method detection limit.

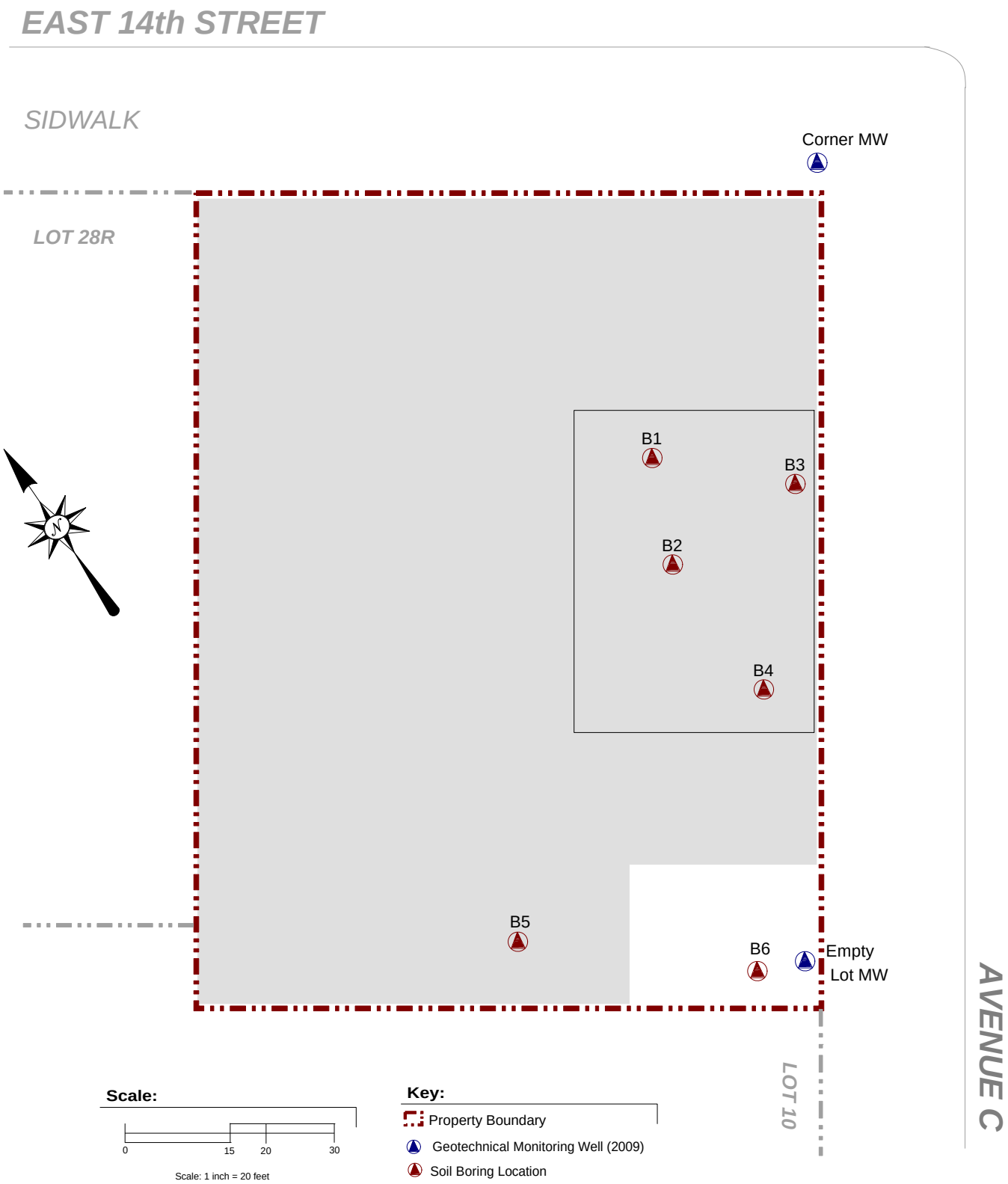
No significant evidence of a spill/release associated with the former use of the Site as an automotive service facility was found during the subsurface investigation, and the No. 2 fuel oil fill port was determined to be a 1" diameter monitoring well with a metal cover typically used for an oil tank. Please call if you have any questions or would like to discuss the project further.

Very truly yours,
Environmental Business Consultants

Kevin Brussee
Senior Project Manager

FIGURES

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
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Figure No. 1

Site Name:	Former Strauss Auto Parts Store
Site Address:	644 East 14th Street, New York, NY 10009
Drawing Title:	Site Sampling Locations

TABLES

1808 Middle Country Road
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TABLE 1
644 East 14th Street, Manhattan, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B3 1ft µg/Kg		B4 4ft µg/Kg		B5 7ft µg/Kg		B6 4ft µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachlorothane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,1,1-Trichloroethane	680	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,1,2,2-Tetrachloroethane			< 3.6	3.6	< 3.8	3.8	< 4.1	4.1	< 3.5	3.5
1,1,2-Trichloroethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,1-Dichloroethane	270	26,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,1-Dichloroethene	330	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,1-Dichloropropene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2,3-Trichlorobenzene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2,3-Trichloropropane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2,4-Trichlorobenzene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2,4-Trimethylbenzene	3,600	52,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2-Dibromo-3-chloropropane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2-Dibromomethane	1,100	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2-Dichlorobenzene	1,100	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2-Dichloroethane	20	3,100	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,2-Dichloropropane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,3,5-Trimethylbenzene	8,400	52,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,3-Dichlorobenzene	2,400	4,900	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,3-Dichloropropane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
1,4-Dichlorobenzene	1,800	13,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
2,2-Dichloropropane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
2-Chlorotoluene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
2-Hexanone (Methyl Butyl Ketone)			< 30	30	< 31	31	< 34	34	< 29	29
2-Isopropyltoluene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
4-Chlorotoluene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
4-Methyl-2-Pentanone			< 30	30	< 31	31	< 34	34	< 29	29
Acetone	50	100,000	< 36	36	< 38	38	< 41	41	< 35	35
Acrylonitrile			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Benzene	60	4,800	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Bromobenzene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Bromochloromethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Bromodichloromethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Bromoform			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Bromomethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Carbon Disulfide			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Carbon tetrachloride	760	2,400	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Chlorobenzene	1,100	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Chloroethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Chloroform	370	49,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Chloromethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
cis-1,2-Dichloroethene	250	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
cis-1,3-Dichloropropene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Dibromochloromethane			< 3.6	3.6	< 3.8	3.8	< 4.1	4.1	< 3.5	3.5
Dibromomethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Dichlorodifluoromethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Ethylbenzene	1,000	41,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Hexachlorobutadiene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Isopropylbenzene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
m&p-Xylenes	260	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Methyl Ethyl Ketone (2-Butanone)	120	100,000	< 36	36	< 38	38	< 41	41	< 35	35
Methyl t-butyl ether (MTBE)	930	100,000	< 12	12	< 13	13	< 14	14	< 12	12
Methylene chloride	50	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Naphthalene	12,000	100,000	**430**	300	**200**	6.3	< 6.8	6.8	< 5.8	5.8
n-Butylbenzene	12,000	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
n-Propylbenzene	3,900	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
o-Xylene	260	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
p-Isopropyltoluene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
sec-Butylbenzene	11,000	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Styrene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
tert-Butylbenzene	5,900	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Tetrachloroethene	1,300	19,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	**280**	150
Tetrahydrofuran (THF)			< 12	12	< 13	13	< 14	14	< 12	12
Toluene	700	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Total Xylenes			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
trans-1,2-Dichloroethene	190	100,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
trans-1,3-Dichloropropene			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
trabs-1,4-dichloro-2-butene			< 12	12	< 13	13	< 14	14	< 12	12
Trichloroethene	470	21,000	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Trichlorofluoromethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Trichlorotrifluoroethane			< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Vinyl Chloride	20	900	< 5.9	5.9	< 6.3	6.3	< 6.8	6.8	< 5.8	5.8
Total BTEX Concentration			ND		ND		ND		ND	
Total VOCs Concentration			430		200		ND		280	

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 2
644 East 14th Street, Manhattan, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B3 1ft µg/Kg		B4 4ft µg/Kg		B5 7ft µg/Kg		B6 4ft µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 270	270	< 260	260	< 310	310	< 260	260
1,2,4-Trichlorobenzene			< 270	270	< 260	260	< 310	310	< 260	260
1,2-Dichlorobenzene			< 270	270	< 260	260	< 310	310	< 260	260
1,2-Diphenylhydrazine			< 390	390	< 370	370	< 440	440	< 380	380
1,3-Dichlorobenzene			< 270	270	< 260	260	< 310	310	< 260	260
1,4-Dichlorobenzene			< 270	270	< 260	260	< 310	310	< 260	260
2,4,5-Trichlorophenol			< 270	270	< 260	260	< 310	310	< 260	260
2,4,6-Trichlorophenol			< 270	270	< 260	260	< 310	310	< 260	260
2,4-Dichlorophenol			< 270	270	< 260	260	< 310	310	< 260	260
2,4-Dimethylphenol			< 270	270	< 260	260	< 310	310	< 260	260
2,4-Dinitrophenol			< 620	620	< 600	600	< 710	710	< 600	600
2,4-Dinitrotoluene			< 270	270	< 260	260	< 310	310	< 260	260
2,6-Dinitrotoluene			< 270	270	< 260	260	< 310	310	< 260	260
2-Chloronaphthalene			< 270	270	< 260	260	< 310	310	< 260	260
2-Chlorophenol			< 270	270	< 260	260	< 310	310	< 260	260
2-Methylnaphthalene			**390**	270	< 260	260	< 310	310	< 260	260
2-Methylphenol (o-cresol)	330	100,000	< 270	270	< 260	260	< 310	310	< 260	260
2-Nitroaniline			< 620	620	< 600	600	< 710	710	< 600	600
2-Nitrophenol			< 270	270	< 260	260	< 310	310	< 260	260
3&4-Methylphenol (m&p-cresol)			< 390	390	< 370	370	< 440	440	< 380	380
3,3'-Dichlorobenzidine			< 270	270	< 260	260	< 310	310	< 260	260
3-Nitroaniline			< 620	620	< 600	600	< 710	710	< 600	600
4,6-Dinitro-2-methylphenol			< 1100	1,100	< 1100	1,100	< 1300	1,300	< 1100	1,100
4-Bromophenyl phenyl ether			< 390	390	< 370	370	< 440	440	< 380	380
4-Chloro-3-methylphenol			< 270	270	< 260	260	< 310	310	< 260	260
4-Chloroaniline			< 270	270	< 260	260	< 310	310	< 260	260
4-Chlorophenyl phenyl ether			< 270	270	< 260	260	< 310	310	< 260	260
4-Nitroaniline			< 620	620	< 600	600	< 710	710	< 600	600
4-Nitrophenol			< 1100	1,100	< 1100	1,100	< 1300	1,300	< 1100	1,100
Acenaphthene	20,000	100,000	**1,000**	270	< 260	260	< 310	310	**930**	260
Acenaphthylene	100,000	100,000	< 270	270	< 260	260	< 310	310	< 260	260
Acetophenone			< 270	270	< 260	260	< 310	310	< 260	260
Aniline			< 1100	1,100	< 1100	1,100	< 1300	1,300	< 1100	1,100
Anthracene	100,000	100,000	**1,800**	270	**280**	260	< 310	310	**1,400**	260
Benz(a)anthracene	1,000	1,000	**2,300**	270	**370**	260	< 310	310	**1,600**	260
Benzidine			< 460	460	< 450	450	< 530	530	< 450	450
Benzo(a)pyrene	1,000	1,000	**2,100**	270	**340**	260	< 310	310	**1,400**	260
Benzo(b)fluoranthene	1,000	1,000	**2,600**	270	**440**	260	< 310	310	**1,600**	260
Benzo(ghi)perylene	100,000	100,000	**750**	270	< 260	260	< 310	310	**560**	260
Benzo(k)fluoranthene	800	1,000	**1,000**	270	< 260	260	< 310	310	**700**	260
Benzoic acid			< 1100	1,100	< 1100	1,100	< 1300	1,300	< 1100	1,100
Benzyl butyl phthalate			**13,000**	270	< 260	260	< 310	310	< 260	260
Bis(2-chloroethoxy)methane			< 270	270	< 260	260	< 310	310	< 260	260
Bis(2-chloroethyl)ether			< 390	390	< 370	370	< 440	440	< 380	380
Bis(2-chloroisopropyl)ether			< 270	270	< 260	260	< 310	310	< 260	260
Bis(2-ethylhexyl)phthalate			**2,300**	270	< 260	260	< 310	310	< 260	260
Carbazole			**1,300**	580	< 560	560	< 670	670	**650**	570
Chrysene	1,000	1,000	**2,000**	270	**360**	260	< 310	310	**1,600**	260
Dibenz(a,h)anthracene	330	330	< 270	270	< 260	260	< 310	310	< 260	260
Dibenzofuran	7,000	59,000	**820**	270	< 260	260	< 310	310	**460**	260
Diethyl phthalate			< 270	270	< 260	260	< 310	310	< 260	260
Dimethylphthalate			< 270	270	< 260	260	< 310	310	< 260	260
Di-n-butylphthalate			< 270	270	< 260	260	< 310	310	< 260	260
Di-n-octylphthalate			< 270	270	< 260	260	< 310	310	< 260	260
Fluoranthene	100,000	100,000	**6,500**	270	**1,200**	260	< 310	310	**3,700**	260
Fluorene	30,000	100,000	**1,100**	270	< 260	260	< 310	310	**770**	260
Hexachlorobenzene			< 270	270	< 260	260	< 310	310	< 260	260
Hexachlorobutadiene			< 270	270	< 260	260	< 310	310	< 260	260
Hexachlorocyclopentadiene			< 270	270	< 260	260	< 310	310	< 260	260
Hexachloroethane			< 270	270	< 260	260	< 310	310	< 260	260
Indeno(1,2,3-cd)pyrene	500	500	**750**	270	< 260	260	< 310	310	**570**	260
Isophorone			< 270	270	< 260	260	< 310	310	< 260	260
Naphthalene	12,000	100,000	**900**	270	< 260	260	< 310	310	**550**	260
Nitrobenzene			< 270	270	< 260	260	< 310	310	< 260	260
N-Nitrosodimethylamine			< 390	390	< 370	370	< 440	440	< 380	380
N-Nitrosodi-n-propylamine			< 270	270	< 260	260	< 310	310	< 260	260
N-Nitrosodiphenylamine			< 390	390	< 370	370	< 440	440	< 380	380
Pentachloronitrobenzene			< 390	390	< 370	370	< 440	440	< 380	380
Pentachlorophenol	800	2,400	< 390	390	< 370	370	< 440	440	< 380	380
Phenanthrene	100,000	100,000	**9,900**	270	**1,300**	260	< 310	310	**3,600**	260
Phenol	330	100,000	< 270	270	< 260	260	< 310	310	< 260	260
Pyrene	100,000	100,000	**5,800**	270	**1,000**	260	< 310	310	**3,100**	260
Pyridine			< 390	390	< 370	370	< 440	440	< 380	380

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
644 East 14th Street,
Manhattan, New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	Corner MW µg/L		Empty Lot µg/L	
1,1,1,2-Tetrachlorothane	5	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	5	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	5	< 1.0	1	< 1.0	1
1,1-Dichloroethene	5	< 1.0	1	< 1.0	1
1,1-Dichloropropene		< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene		< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	0.04	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene		< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	5	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	5	< 1.0	1	< 1.0	1
1,2-Dichloroethane	0.6	< 1.0	1	< 1.0	1
1,2-Dichloropropane	0.94	< 0.60	0.6	< 0.60	0.6
1,2-Dibromoethane		< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	5	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	5	< 1.0	1	< 1.0	1
1,3-Dichloropropane	5	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene	5	< 1.0	1	< 1.0	1
2,2-Dichloropropane	5	< 1.0	1	< 1.0	1
2-Chlorotoluene	5	< 1.0	1	< 1.0	1
2-Hexanone (Methyl Butyl Ketone)		< 5.0	5	< 5.0	5
2-Isopropyltoluene	5	< 1.0	1	< 1.0	1
4-Chlorotoluene	5	< 1.0	1	< 1.0	1
4-Methyl-2-Pentanone		< 5.0	5	< 5.0	5
Acetone		< 25	25	< 25	25
Acrylonitrile	5	< 5.0	5	< 5.0	5
Benzene	1	< 0.70	0.7	< 0.70	0.7
Bromobenzene	5	< 1.0	1	< 1.0	1
Bromochloromethane	5	< 1.0	1	< 1.0	1
Bromodichloromethane		< 0.50	0.5	< 0.50	0.5
Bromoform		< 1.0	1	< 1.0	1
Bromomethane	5	< 1.0	1	< 1.0	1
Carbon Disulfide	60	< 5.0	5	< 5.0	5
Carbon tetrachloride	5	< 1.0	1	< 1.0	1
Chlorobenzene	5	< 1.0	1	< 1.0	1
Chloroethane	5	< 1.0	1	< 1.0	1
Chloroform	7	< 1.0	1	< 1.0	1
Chloromethane	60	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene		< 0.40	0.4	< 0.40	0.4
Dibromochloromethane		< 0.50	0.5	< 0.50	0.5
Dibromomethane	5	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	5	< 1.0	1	< 1.0	1
Ethylbenzene	5	< 1.0	1	< 1.0	1
Hexachlorobutadiene	0.5	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	5	< 1.0	1	< 1.0	1
m&p-Xylenes	5	< 1.0	1	< 1.0	1
Methyl Ethyl Ketone (2-Butanone)		< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)	10	< 1.0	1	< 1.0	1
Methylene chloride	5	< 1.0	1	< 1.0	1
Naphthalene	10	< 1.0	1	< 1.0	1
n-Butylbenzene	5	< 1.0	1	< 1.0	1
n-Propylbenzene	5	< 1.0	1	< 1.0	1
o-Xylene	5	< 1.0	1	< 1.0	1
p-Isopropyltoluene		< 1.0	1	< 1.0	1
sec-Butylbenzene	5	< 1.0	1	< 1.0	1
Styrene	5	< 1.0	1	< 1.0	1
tert-Butylbenzene	5	< 1.0	1	< 1.0	1
Tetrachloroethene	5	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)		< 2.5	2.5	< 2.5	2.5
Toluene	5	< 1.0	1	< 1.0	1
Total Xylenes	5	< 2.0	2	< 2.0	2
trans-1,2-Dichloroethene	5	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	< 5.0	5	< 5.0	5
Trichloroethene	5	< 1.0	1	< 1.0	1
Trichlorofluoromethane	5	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane		< 1.0	1	< 1.0	1
Vinyl Chloride	2	< 1.0	1	< 1.0	1

Notes:
ND - Not detected
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

APPENDIX A
PREVIOUS REPORTS

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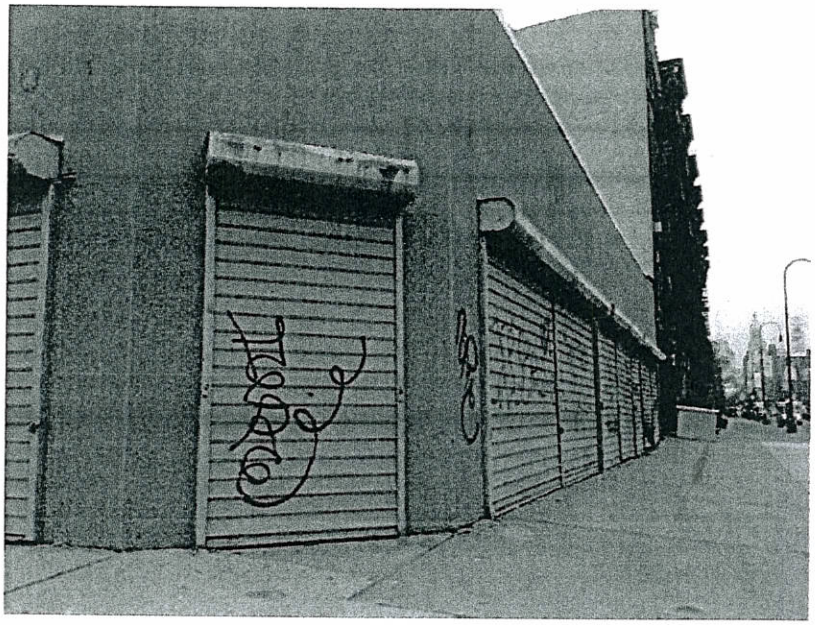
PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

644 East 14th Street
New York, NY



Prepared For:
Mr. Paul Ratnofsky
14 Avenue C LLC
500 West 43rd Street Suite 39A
New York, NY 10036

December 5, 2013

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

644 East 14th Street
New York, NY

December 5, 2013

Hydro Tech Environmental, Corp. appreciates the opportunity to work for 14 Avenue C LLC at the property located at 644 East 14th Street, New York, New York.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

We declare that, to the best of my professional knowledge and belief, HTE personnel meet the definition of an environmental professional as defined in §312.10 of 40 C.F.R. 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Very Truly Yours,
Hydro Tech Environmental, Corp.

X _____
Ezgi Karayel
Project Engineer

X Mark Robbins (RA)
Mark E. Robbins, C.P.G., C.E.I.
Principal

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1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental, Corp. (Hydro Tech) has performed a Phase I Environmental Site Assessment (Phase I ESA) at the Subject Property located at 644 East 14th Street, New York, NY. The Phase I ESA was performed to meet or surpass the American Standard of Testing Materials Standard for Phase I Environmental Site Assessments E 1527-05. The purpose of the assessment was to characterize the environmental quality of the Subject Property through the identification of Recognized Environmental Conditions. All work was performed under the supervision of a Hydro Tech Project Manager and under the guidance of a Hydro Tech geologist.

The results of the Phase I Environmental Site Assessment are contained in this report. The Phase I Environmental Site Assessment has revealed the following Recognized Environmental Condition(s) at the Subject Property:

- The presence of a suspect fill port in the southeastern portion of the Subject Property (§6.0)
- The presence of suspect lead-based paint inside the building (§6.0)
- The presence of suspect asbestos containing material (ACM) inside the building (§6.0)
- The presence of mold inside the building (§6.0)

No effort has been made to perform any investigation beyond what is included in this Report. The observations and conclusions included herein summarize the results of the Phase I Environmental Site Assessment up to the date of the fieldwork and the date of this Report.

The following sections provide the details and specific information pertaining to the various components of the Phase I Environmental Site Assessment.

2.0 INTRODUCTION & SCOPE OF WORK

2.1 Introduction

Hydro Tech Environmental, Corp. (Hydro Tech, the ***"Preparer"***) has been retained by 14 Avenue C LLC (the ***"User"***) to perform a Phase I Environmental Site Assessment at the property located at 644 East 14th Street in Manhattan, New York. The User is the ***"Owner"*** of the property. The Phase I was prepared for due diligence purposes towards a purchase transaction of the property. The property will hereafter be referred to as the ***"Subject Property"***.

The purpose of a Phase I Assessment is to characterize the environmental quality of the Subject Property through the determination of the presence of Recognized Environmental Conditions (RECs). As defined by the American Society of Testing and Materials (ASTM), a REC is, "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property" (ASTM E 1527-05, §1.1.1).

To this end, Hydro Tech has collected information through a number of sources including, but not limited to: a property and neighborhood inspection by trained environmental personnel, a review of historical and current information collected from various federal, state, county and municipal agencies and personnel interviews with Site representatives. Recommendations are offered where prudent. Firms subcontracted by Hydro Tech and the User may have collected some information used in this report. Some or all of the Assessment has been performed or supervised by environmental professionals as required by 40 CFR Part 310. The procurement of Title and Judicial Records for Environmental Liens and/or Activity and Use Limitations ("AULs") by HTE is beyond the scope of this practice (ASTM E1527-05) and investigation.

2.2 Scope of Work

The general activities of the Phase I Assessment included the performance of the following tasks:

1. A detailed inspection of the Site and its general vicinity.
2. A review of all reasonably ascertainable regulatory agency documents.
3. A neighborhood hazardous waste survey utilizing Federal and State databases.
4. A review and evaluation of reasonably ascertainable geologic and hydrogeologic reference materials.
5. Interviews with representatives of the Site.
6. The preparation of a Phase I Environmental Site Assessment Report.

The Phase I ESA was performed in accordance with ASTM E 1527 except where noted in Section 2.3 and Hydro Tech's Proposal. As required by ASTM, the User has supplied information that has been relied upon by Hydro Tech in the rendering of findings, conclusions and opinions, except where indicated in Section 2.3 or elsewhere in the report.

2.3 Limitations and Exceptions & Data Gaps

In addition to those items outlined by ASTM E 1527, asbestos, radon, lead-based paint and lead in water were also considered in the scope of work. While this Phase I Assessment provides information with respect to both asbestos and lead-based paint, the presence of these materials can only be confirmed through the collection and analysis of bulk samples.

This report is not intended to serve as a full asbestos survey or lead-based paint survey. These surveys are commonly performed for the purpose of building demolition/renovation or the recognition/identification of any building materials that may contain asbestos or lead-based paint and it is recommended that they be performed prior to any such work.

Business Environmental Risks have not been considered and are not included in the scope of work. This Phase I Assessment is not intended to address the soil/groundwater quality at the Subject Property for

general Site characterization or waste disposal purposes. This Phase I Assessment in not intended to evaluate the fair market price of the property if it is not affected by hazardous or petroleum products.

Portions of this report have been prepared utilizing information provided by third party sources or the user. As such, Hydro Tech relies upon these sources and has recorded findings, conclusions and opinions based upon this information. Hydro Tech cannot attest to the accuracy of this information but where possible had attempted to verify the information.

This Phase I ESA Report is not intended to serve or be construed as a regulatory compliance report for the property. No legal opinions are provided with this report.

It should be noted that the USEPA has determined in their final ruling (40 C.F.R. Part 312, Standards and Practices for All Appropriate Inquires) of November 1, 2005 that "persons conducting all appropriate inquiries may use the procedures included in the ASTM E1527-05 standard to comply with today's final rule." Therefore, while all appropriate inquiry could be considered satisfied as this ESA was prepared in exceedance(s) of the ASTM E1527-05 standard, persons attempting to utilize this ESA while seeking one of CERCLA's LLPs must note that; a) they will not maintain CERCLA liability protections unless they also comply with all of the continuing obligations established under the statute that are beyond the scope of this practice (ASTM E1527-05) and investigation; and b) in order to qualify for one of the CERCLA LLPs, the person commissioning the Phase I Environmental Site Assessment must have provided site-specific information (if available) to Hydro Tech before the date of this ESA, otherwise a determination could be made that all appropriate inquiry is not complete.

As defined by ASTM, a Data Gap is defined as an inability to obtain information during the Phase I process, as required under the Standard, despite a good faith effort by the Environmental Professional to obtain this information. The Phase I ESA report must contain information pertaining to Data Gap(s) and evaluate their relative significance.

The following table provides a breakdown of the Data Gap(s) encountered and their relative significance.

Data Gap	Significance
Site History – not conducted to time of first development and/or 5 year intervals.	Low – unlikely to alter conclusions due to findings of other resource(s).
No environmental lien provided.	Low – unlikely to alter conclusions due to findings of other resource(s).
Municipal Records – FOIAs not returned as of date of report.	Unknown – Any FOIA responses that alter the conclusions of the report will be provided upon receipt.

Due to other historical information obtained over the course of this investigation, Hydro Tech does not consider these data failures/data gaps significant, as they appear unlikely to have affected potential Recognized Environmental Conditions at the Subject Property.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 Subject Property Vicinity

The Subject Property is located on the southwest corner of East 14th Street and Avenue C, in the Borough of Manhattan, New York. The Borough of Manhattan is situated in the western portion of the City of New York. The East River is located approximately ¼ mile to the east of the Site.

The vicinity of the Subject Property consists of commercial and residential properties. The ground surfaces in the vicinity of the Site consist of asphalt and concrete.

3.2 Subject Property Description

The address of the Subject Property is identified as 644 East 14th Street, New York, NY. The Subject Property is approximately 10,098 square feet in area and is currently developed with a 1-story closed Strauss Discount Auto Parts Store. A small fenced rear yard is located in the southeast portion of the property. The Subject Property is not in use. A Con Edison plant is located to the east of the Subject Property. ***Appendix A*** provides photographs of the Subject Property.

The interior of the building consists of a wide-open empty space and an out of use bathroom. The building has no basement. Gas-fired space heaters were observed in the building. The building is heated via natural gas. There was no electric in the building during the inspection.

Access to the Subject Property is via East 14th Street to the north. The Subject Property is connected to the municipal water and gas. These services enter the Subject Property from East 14th Street to the north.

The topography of the Subject Property and its vicinity is generally level. **Figure 1** provides a Site Plan.

3.3 Adjacent Land Use

The Subject Property is located in a residential and commercial area. The following properties were identified immediately adjacent to the Subject Property:

Direction	Adjacent Parcel	Surrounding Parcels
North	Multi-story residential and commercial mixed use building	Residential and Commercial
South	Multi-story residential and commercial mixed use building	
East	Avenue C and Con Edison Plant	
West	Multi-story residential and commercial mixed use building	

Hydro Tech does not believe that the present uses of the adjacent properties identified above should impact upon the environmental quality of the Subject Property.

3.4 Proximity to Environmentally Sensitive Areas

The results of the Site inspection and an evaluation of the United States Geological Survey (USGS) 7-½ Minute Topographic Map containing the properties indicate there are four (4) sensitive receptors present within a 0.125-mile radius of the Subject Property. These sensitive receptors are Vaccination Services of America, Inc., NYCHA Campos Plaza Community Center, UCPA of New York City and Gina Brown Daycare. Hydro Tech believes that the Subject Property should not impact upon the environmental quality of these sensitive receptors.

3.5 Environmental Setting

The Subject Property is located in southeastern portion of New York County, New York. The elevation of the Subject Property is approximately 7 feet above mean sea level (USGS Brooklyn, New York Quadrangle, 1995, Photo revised 2011).

The vicinity of the site is characterized by metamorphosed sequences of bedrock known as the Manhattan Prong of the Hartland Formation. The Hartland Formation was formed during the late Cambrian to early Ordovician period and consists of undivided pelitic schist with gneiss and amphibolite. The formation is frequently cross cut by transverse and parallel faults. The area is overlain by Pleistocene aged glacial till deposits.

Outcrops of bedrock are commonplace in the borough of Manhattan, as can be seen in Central Park. However, no areas of exposed bedrock were identified during the site inspection portion of the Phase I.

The depth to groundwater in the vicinity of the Site is estimated below 10 feet below grade. The water table is typically encountered within the fractures of the bedrock. The regional groundwater flow direction in the vicinity of the Subject Property is presumed to be toward the east, in the direction of the East River.

4.0 HISTORICAL USE

4.1 Sanborn Maps

Sanborn Fire Rate Insurance Maps for the Subject Property and its vicinity dated 1903, 1920, 1922, 1928, 1944, 1950, 1971, 1976, 1979, 1980, 1983, 1985, 1987, 1988, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004, and 2005 were obtained from EDR and evaluated in order to establish the history of the Site. ***Appendix B*** provides a copy of the Sanborn Fire Rate Insurance Maps.

Date	Subject Property Shown As	Surrounding area
1903-1920	One 6-story and two 5-story buildings, multiple storefronts (use of the buildings not listed)	Residential and commercial buildings and Con Edison Facility
1922-1928	No listing for the Subject Property	
1944-1950	One 6-story and two 5-story buildings, multiple storefronts (use of the buildings not listed)	
1971-2005	Auto Service Shop and one 1-story building	

4.2 City Directory Search

In order to further assess the property's history, available City Directory files were obtained from EDR for review. The City Directories document known occupants of specific properties and sorted by individual addresses. ***Appendix C*** provides a copy of the City Directory Search.

The following provides a listing of all documented usages of the addresses 6444 East 14th Street:

Date	Use of Subject Property	Surrounding Property Use
1927-1938	Lipschitz Jon Grocer	Residential and Commercial
1942-1950	Dependable Window Shades, Leonard Goldstone, Jack Gross Window Shades, Lipschitz Jon Grocer, Marvald Saml Electrician, Ralph Miller Glass, Triboro Glass Co	
1956-2013	Strauss Stores Corp / Strauss Discount Auto	

4.3 Previous Studies

Hydro Tech Environmental performed a Phase I ESA on the Subject Property during January 2011. The January 2011 report identified three (3) RECs at the Subject Property. These include; the presence of mold inside the building, the documented presence of Asbestos-Containing Materials, and the presence of peeling paint inside the building that could be lead-based. During January 2011 inspection, there was upwards of six inches of snow covered a large portion of the sidewalk along the building and street (as well as the paved area in the southeast portion of the property). Therefore the fill port located in the southeastern portion of the Subject Property could not be identified.

4.4 Previous Owners

According to the property listing on Property Shark, the following provides a list of historical owners of the Subject Property:

Year	Name Of Previous Owner(s)
2013	14 Avenue C LCC
2008	Kimstrauss Unitary Business Trust
2005	Sbcg Strauss LLC

2000	R&S/Strauss Inc, A Del Corporation
1988	Schottenstein Storescrp
1985	644 E 14th St Corp Granett & Gold PC

4.5 Historical Use Summary

Based on a review of available information provided and/or obtained for the Subject Property as of the date of this ESA, it appears that the Subject Property was originally developed prior to 190 with storefronts. The existing building on site was constructed prior to 1950s, and has been occupied by Strauss Auto Store since then. Specific historical uses of the Subject Property include a grocery, window shade shop, glass shop, and restaurant. Since the auto service shop was utilized as a retail space for auto accessories, it should not have impacted upon the environmental quality of the Subject Property. The historical use of adjacent properties does not appear to have impacted the environmental quality of the Subject Property.

5.0 RECORDS REVIEW

5.1 Environmental Databases

Federal, State, Local and Tribal hazardous waste databases were reviewed with respect to the Subject Property and surrounding properties. ASTM E 1527 specifies the search area for each database. In addition, all orphan sites (those without adequate information for mapping purposes) listed in the database search were also reviewed, evaluated and incorporated (as needed). ***Appendix D*** provides a copy of the Database Search Results. The following databases, with the appropriate search radius, were reviewed:

ASTM Standard Environmental Record Source	**Approx. ASTM Minimum Search Distance (MSD)**	**Number of Mapped Sites within MSD**	**Number of Orphan Sites**
1. NPL (Superfund) *National Priorities List*	1.0 Mile	0	0
2. Delisted NPL Site *Delisted National Priorities List Site*	0.5 Mile	0	0
3. CERCLIS *Comprehensive Environmental Response Compensation & Liability Information System*	0.5 Mile	0	0
4. CERCLIS NFRAP *CERCLIS No Further Remedial Action Planned Site*	0.5 Mile	0	0
5. RCRA-TSD CORRACTS *Resource Conservation & Recovery Treatment/Storage/Disposal Facility Subject to Corrective Action*	1.0 Mile	0	0
6. RCRA-TSD *Resource Conservation & Recovery Treatment/Storage/Disposal Facility (Non-Corrective Action)*	0.5 Mile	0	0
7. RCRA-LG *Resource Conservation & Recovery Large Quantity Generator*	Site & Adjoining	0	0
8. RCRA-SG *Resource Conservation & Recovery Small Quantity Generator*	Site & Adjoining	0	0
9. ERNS *Emergency Response Notification System*	Property Only	0	0
10. Local / State / Tribal UST, PBS *Registered Storage Tanks*	Site & Adjoining	1	0
11. Local / State / Tribal LTANKS *Leaking Underground Storage Tanks*	0.5 Mile	45	0
12. State Spill Incidents *NYSDEC Spill Sites*	0.125 Mile	233	0
13. Local / State / Tribal SWF *Solid Waste Facility / Landfill*	0.5 Mile	0	0
14. Local / State / Tribal CERCLIS *Inactive Hazardous Waste Disposal Site*	0.5 Mile	3	0
16. Inst. / Engineering Controls *Registry of Institutional and/or Engineering Controls*	Property Only	0	0
17. Voluntary Cleanup Program Sites *Local / State / Tribal VCP Sites*	0.5 Mile	0	0
18. **Brownfield Sites** *Local / State / Tribal Brownfield Sites*	0.5 Mile	1	0
19. Non-ASTM Record Source(s)	Not Applicable	No MSD has been established by ASTM for these sources	

The review and evaluation of the above Federal and State/Tribal/Local Databases indicates that the Subject Property is identified in the RCRA Non Generator and FINDS databases. No violations are associated with the Site, and no hazardous waste is handled at the Subject Property. The listing of the Subject Property in these databases should not impact upon the environmental quality of the Subject Property.

Forty five (45) incidents are listed in the Leaking Underground Storage Tanks (LUSTs) database within a 0.5-mile radius of the Subject Property. None of the LUSTs are adjacent to the Subject Property. Thirty seven of the 45 LUSTs have been cleaned up to the satisfaction of the NYSDEC and are considered closed; the remaining 8 LUST sites are active. One of the active LUST sites is located down gradient of the Subject Property. None of the remaining 7 sites is adjacent to the Subject Property and therefore should not impact upon the environmental quality of the Subject Property.

Two hundred and thirty three (233) incidents are listed in the NY Spills database within a 0.125-mile radius of the Subject Property. One hundred ninety four of the 233 sites have been cleaned up to the satisfaction of the NYSDEC and are listed as closed while the remaining 39 sites are active. Fourteen of the active 39 spill sites are located upgradient to the Subject Property. Corrective actions were taken at all of the spill sites. The first site is 378 feet to the northwest of the Site. The second is 576 feet to the northwest of the site. Due to their proximity, none of the open spills should impact upon the Subject Property.

One (1) aboveground storage tank (AST) is located at a property located adjacent to the Subject Property. The tank is listed as "active", and is not associated with any spills or leaks. The presence of the adjacent AST should not impact upon the environmental quality of the Subject Property.

Three (3) State Hazardous Waste Sites (SHWS) are located within a mile radius of the Subject Property. None of the sites are adjacent to the Subject Property. All three sites are located cross gradient to the Subject Property, and should not impact upon its environmental quality.

One (1) Brownfield site is located within a mile radius of the Subject Property. The site is 1185 feet to the northwest of the Subject Property. The site has impacted groundwater, and remedial actions have been taken. Due to its proximity, the brownfield site should not impact upon the environmental quality of the Subject Property.

None of the remaining properties identified in the databases, including Orphan Sites, should impact upon the environmental quality of the Subject Property.

5.2 Municipal Records

Freedom of Information Act (FOIA) requests were issued to the following regulatory agencies with respect to the Subject Property. All reasonably ascertainable municipal records are provided with this report. ***Appendix E*** provides copies of the municipal documents.

- New York City Department of City Planning
- New York City Department of Building
- New York City Department of Housing Preservation and Development
- New York City Department of Health
- New York City Bureau of Fire Department
- New York State Department of Environmental Conservation
- New York City Department of Environmental Protection

New York City Department of City Planning
A FOIA request was submitted to the New York City Zoning Department. The address of the Subject Property is identified as 221-229 Avenue C and 644-652 East 14th Street. The tax map number is listed as Block 396, Lot 29. The New York City Zoning Department indicated that the Subject Property is "R7-2." The Little "E" Restriction is listed as "Not Applicable". The Department of Finance Occupancy Code is listed as "K9-Store Building" for the Subject Property.

New York City Department of Building
A FOIA request was submitted to the New York City Department of Building (NYCDOB).The NYCDOB indicates there are 3 complaints (one open), no DOB violations and one ECB violation (none open) listed for the Subject Property. The open complaint is pertaining to excessive debris. The NYCDOB further indicates there are total of 7 jobs, and 18 actions listed for the Subject Property. The actions are pertaining to alteration, building notice, curb cut, Certificate of Occupancy (CO), demolition permit, electric sign application and new building. There are 3 CO documents dated August 12, 1953, October 7, 1953, and November 2, 1964 are provided in the NYCDOB records. All three of the CO documents describe 644 East 14th Street as 1-story retail store.

New York City Department of Housing Preservation and Development
A FOIA request was submitted to the New York City Department of Housing Preservation and Development (NYCHPD). The NYCHPD indicated that there are no violations associated with the Subject Property.

New York City Department of Health
A FOIA request was submitted to the New York City Department of Health (NYCDOH). The NYCDOH was contacted via telephone to obtain the status of the FOIA request. As of the date of this report, the NYCDOH has not responded to our initial search request or subsequent follow-up calls. Any information provided by the NYCDOH will be provided as soon as it has been received and evaluated.

New York City Bureau of Fire Prevention
A FOIA request was submitted to the New York City Bureau of Fire Prevention (NYCBFP). As of the date of this report, the NYCBFP has not responded to our initial search request. Any information provided by the NYCBFP will be provided as soon as it has been received and evaluated.

New York State Department of Environmental Conservation
A FOIA request was submitted to the New York State Department of Environmental Conservation (NYSDEC). As of the date of this report, the NYSDEC has not responded to our initial search request. Any information provided by the NYSDEC will be provided as soon as it has been received and evaluated. The NYSDEC website was also searched for any records associated with the Subject Property. The Subject Property was not identified on the NYSDEC spills database website.

New York City Department of Environmental Protection
A FOIA request was submitted to the New York City Department of Environmental Protection (NYCDEP). As of the date of this report, the NYSDEP has not responded to our initial search request. Any information provided by the NYSDEP will be provided as soon as it has been received and evaluated.

6.0 SITE RECONNAISSANCE

Mrs. Ezgi Karayel of Hydro Tech performed the site reconnaissance portion of the Phase I Assessment on November 26, 2013. The weather during the inspection was sunny and approximately 50 degrees Fahrenheit.

Hydro Tech inspected all accessible portions of the Subject Property. It should be noted that the interior of the building did not have electricity and it was dark inside the building. The following pertinent information was obtained during the Subject Property Reconnaissance:

1. Industrial Processes:

   No industrial processes were observed at the Subject Property. No evidence of historical industrial processes was observed at the Subject Property.

2. Suspect Asbestos-Containing Materials:

   Visual evidence of suspect asbestos containing material (ACM) in the form of floor tiles were identified at the Subject Property. The presence of suspect ACM represents a REC.

3. Suspect Lead-Based Paint:

   Visual of peeling paint was identified at the Subject Property. The peeling paint is indicative of lead-based paint and represents a REC.

4. Drum Storage Areas:

   No current or former drum storage areas were observed at the Subject Property.

5. Storage Tanks:

   A suspect fill port was identified in the rear yard of the Subject Property. Fill port is indicative of an underground storage tank and represents a REC. No visual evidence of any other underground storage tanks (USTs) or aboveground storage tanks (ASTs) was identified at the Subject Property. As mentioned earlier, there was upwards of six inches of snow covered a large portion of the sidewalk along the building and street (as well as the paved area in the southeast portion of the property) during the January 2011 inspection. Therefore the fill port located in the southeastern portion of the Subject Property could not be identified.

6. Subsurface Drainage Structures/Drains/Sumps:

   No subsurface drainage structures, such as leaching pools, cesspools, or drywells were observed at the Subject Property. No evidence of former subsurface drainage structures was observed at the Subject Property.

   No evidence of current or former septic/waste water/storm water discharge systems is identified at the Subject Property. The Subject Property is located in a well-served area in the New York City with a publicly managed combined sewer system.

   No floor drains were observed at the Subject Property. No evidence of former floor drains was identified at the Subject Property.

   No sumps were observed inside the building at the Subject Property. No evidence of former sumps was identified inside the building at the Subject Property.

7. PCB-Containing Equipment:

   No PCB-containing equipment was identified at the Subject Property.

8. Monitoring / Potable Water Wells:

   One monitoring well was identified on the sidewalk at the corner of East 14th Street and Avenue. According to Mr. Ratnofsky, the monitoring well is associated with a historical geotechnical investigation. Based upon our January 2011 Phase I ESA, a total of six (6) geotechnical borings were advanced across the property, two (2) of which were converted to observation wells. Since the existing off-site monitoring well is a part of a geotechnical investigation, it does not represent a REC.

   No potable water wells were observed at the Subject Property.

   The Subject Property does not utilize wells for the generation of potable water.

   No monitoring wells were identified at the Subject Property.

9. Mold

   Visual evidence of mold was identified on the walls of the building. The presence of mold represents a REC.

10. Pits, Ponds, or Lagoons:

    No waste disposal pits, ponds, or lagoons were observed at the Subject Property. No evidence of former pits, ponds, pools of liquid or lagoons were observed at the Subject Property.

11. Wetlands

    No evidence of wetlands or wetlands growth is identified at the Subject Property. The location of the Subject Property and its vicinity do not appear in the USA National Wetlands Inventory.

12. Staining/Stressed Vegetation:

    No significant staining was identified at the Subject Property. No stressed vegetation was observed at the Subject Property.

13. Fill / Land Disposal / Solid Waste:

    No visual areas of fill or evidence of land disposal of solid waste material(s) were observed at the Subject Property.

14. Engineering Controls:

    No engineering controls were noted at the Subject Property.

15. Odors/Air Emissions:

    No odors indicative of a petroleum, chemical or hazardous substance spill or release were identified at the Subject Property. No evidence of air emissions or air emission equipment was identified at the Subject Property.

16. Hazardous Substance / Petroleum Containers:

No evidence of suspect hazardous substance or other petroleum containers were identified at the Subject Property.

17. Radon:

USEPA's recommended action level is 4 picoCuries/liter and the average radon gas concentrations predicted in the Manhattan area is 2 picoCuries/liter. Since Manhattan is located in a Low Radon Potential area, radon gas should not represent a potential environmental concern that would warrant the sampling for radon gas at the Subject Property.

7.0 CLIENT / USER-PROVIDED INFORMATION & INTERVIEWS

7.1 Client/User-Provided Information

During the course of the Phase I Assessment, interviews were conducted with respect to the operation and history of the Site and a Client/User Questionnaire was provided.

1. The client/user provided no records to Hydro Tech's request for information associated with Environmental Liens or Activity and Use Limitations against the property that may have been filed or listed under federal, tribal, state, or local law.

2. The client/user reported no specialized or actual knowledge or experience related to any potential Recognized Environmental Conditions at the Subject Property or nearby properties.

3. The client/user did not respond to Hydro Tech's request for information regarding the relationship of the purchase price of the property to fair market value, specifically if it has been adjusted due to the known or potential presence of on-site contamination.

4. The client/user reported no commonly known information or information within the local community regarding past use(s) of the property (including the storage and/or release of chemicals, hazardous substances, petroleum products, etc.) that could have affected the environmental integrity of the subject site.

5. The client/user could not confirm whether no environmental contamination or cleanups have occurred at the property in the past.

6. Hydro Tech Environmental provided the Questionnaire for the client/user to complete. The Client/User did not return the Questionnaire as of the date of this report.

7.2 Interviews

During the course of the Phase I Assessment, interviews were conducted with key site personnel with respect to the operation and history of the Subject Property. The following key site personnel were interviewed:

- Mr. Paul Ratnofsky, Owner Representative

The interview did not reveal the presence of any other potential Recognized Environmental Conditions in connection with the subject site, and did not provide any additional information with respect to the environmental integrity of the subject property that was not obtained from other sources over the course of this investigation.

In addition, although an interview with the former owner(s) was not possible as none were provided to HTE as of the date of this ESA, we do not believe that any such owner(s) would have additional material information regarding the potential for contamination at the property that was not obtained from other sources over the course of this investigation.

8.0 CONCLUSIONS

Hydro Tech has performed a Phase I Environmental Site Assessment at the Subject Property, and has identified the following Recognized Environmental Conditions (RECs):

- The presence of a suspect fill port in the southeastern portion of the Subject Property (§6.0)
- The presence of suspect lead-based paint inside the building (§6.0)
- The presence of suspect asbestos containing material (ACM) inside the building (§6.0)
- The presence of mold inside the building (§6.0)

9.0 CREDENTIALS & DECLARATION

9.1 Credentials

In accordance with ASTM E 1527, the credentials of those personnel directly involved with the production of this Phase I are provided with this report. ***Appendix F*** provides a copy of the personnel credentials.

9.2 Environmental Professional Declaration

We declare that to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in 40 CFR Part 312. We have the specific qualifications based on education, training and experience to access a property of the nature, history and setting of the Subject Property. Only where indicated we have developed and performed the AAIs in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

10.0 REFERENCES

1. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E 1527-05, American Society for Testing and Materials, West Conshohocken, PA.

2. Principals of Groundwater Engineering, William C. Walton, Lewis Publishers, Inc., 1991.

3. The Long Island Ground Water Pollution Study, New York State Department of Environmental Conservation, 1972.

4. *Geochemical traverse across Cameron's Line, Boro Hall Park, Bronx, New York*, Cadmus, D., Hodgson, R., Gatto, L.M., and Puffer, J.H., Geology Department, Rutgers University, Newark, NJ.

5. *EDR Environmental Data Resources, 644 East 14th Street, New York, NY, November 26, 2013.* The EDR – Sanborn Maps, Milford, Connecticut.

6. *EDR Environmental Data Resources, 644 East 14th Street, New York, NY, November 26, 2013.*The EDR – City Directory Abstract, Milford, Connecticut.

7. *EDR Environmental Data Resources, 644 East 14th Street, New York, NY, November 26, 2013.*The EDR – Radius Map, Milford, Connecticut.

8. Property Shark Property Profile for 644 East 14th Street, New York, NY from *http://www.propertyshark.com/mason/.*

9. Long Island Home Inspection, (n.d.), Radon on Long Island, from *http://www.longislandhomeinspection.com/content/radon-long-island*

9. U.S Fish Wildlife Services National Wetlands Inventory *http://www.fws.gov/wetlands/Wetlands-Mapper.html*

11.0 EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client. No warranty, expressed or implied, is made whatsoever in connection with this report.

In preparing this report, Hydro Tech Environmental, Corp. may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Hydro Tech Environmental, Corp. at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, Hydro Tech Environmental, Corp. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a Subject Property (ASTM E 1527-05 Section 4.5.1). The intent of an environmental site assessment is to reduce but not eliminate uncertainty regarding the presence of potential RECs within reasonable limits of both time and cost.

Observations were made of the subject property and of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, Hydro Tech Environmental, Corp. renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non-hazardous or hazardous materials, in that portion of the subject property or structure. In addition, Hydro Tech Environmental, Corp. renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

Hydro Tech Environmental, Corp. did not perform testing or analyses to determine the presence or concentration of asbestos or lead-based paint at the Subject Property or in the environment of the subject property under the scope of the services performed.

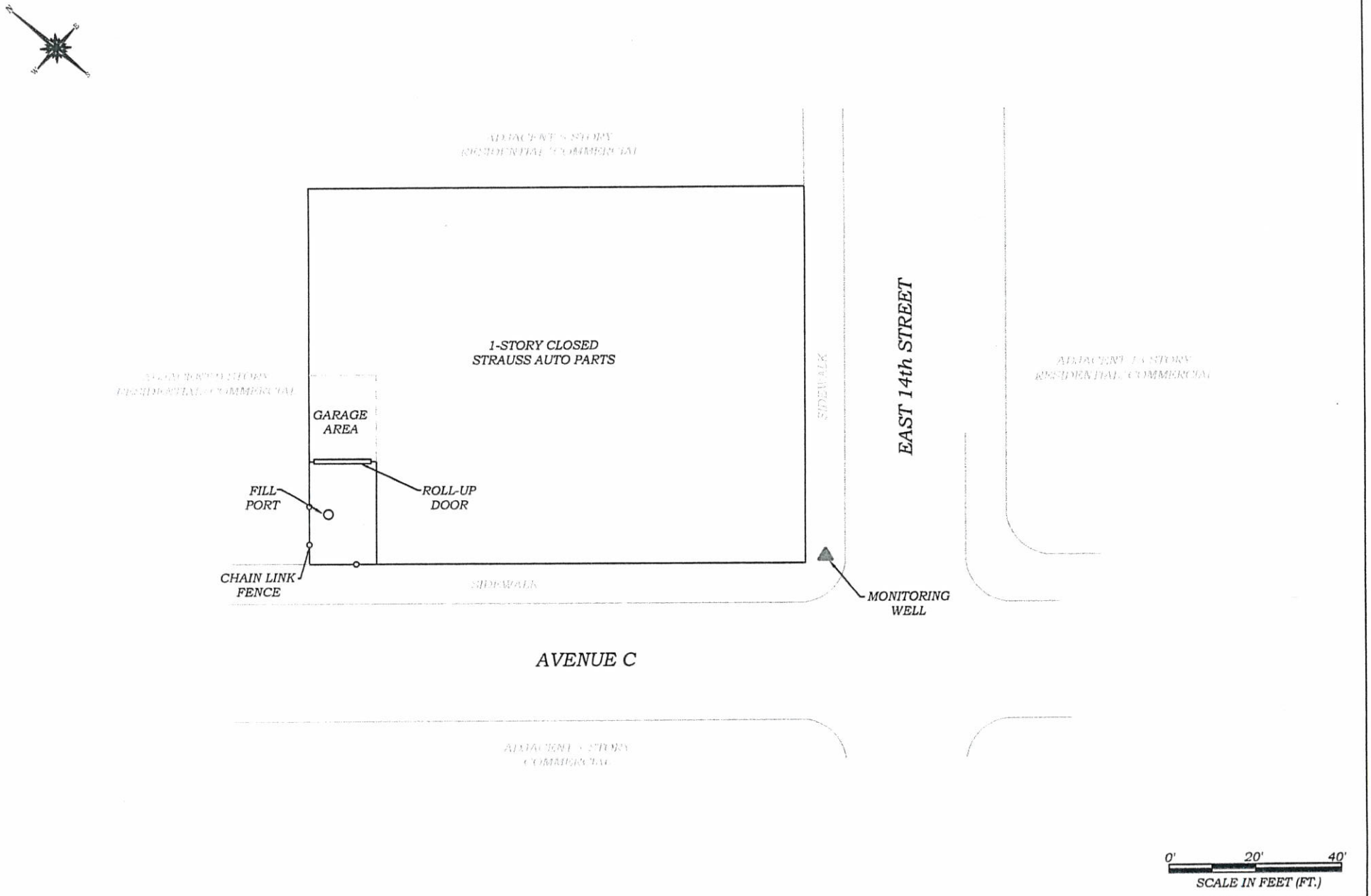
Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where an outside laboratory, Hydro Tech Environmental, has conducted such analyses Corp. has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly. If in the opinion of the Client/User or any third party claiming reliance on this report, that Hydro Tech was negligent or in breach of contract, such aforementioned parties shall have 6 months from the date of Hydro Tech's visit to make a claim.

This report was prepared solely for the use of the Client/User and is not intended for use by third parties. Unauthorized third parties shall indemnify and hold Hydro Tech harmless against any liability for any loss arising out of, or related to, reliance by any third party on any work performed hereunder, or the contents of this report.

FIGURES



HYDRO TECH ENVIRONMENTAL CORP.

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644 East 14th Street
New York, NY.
HTE Job# 130336

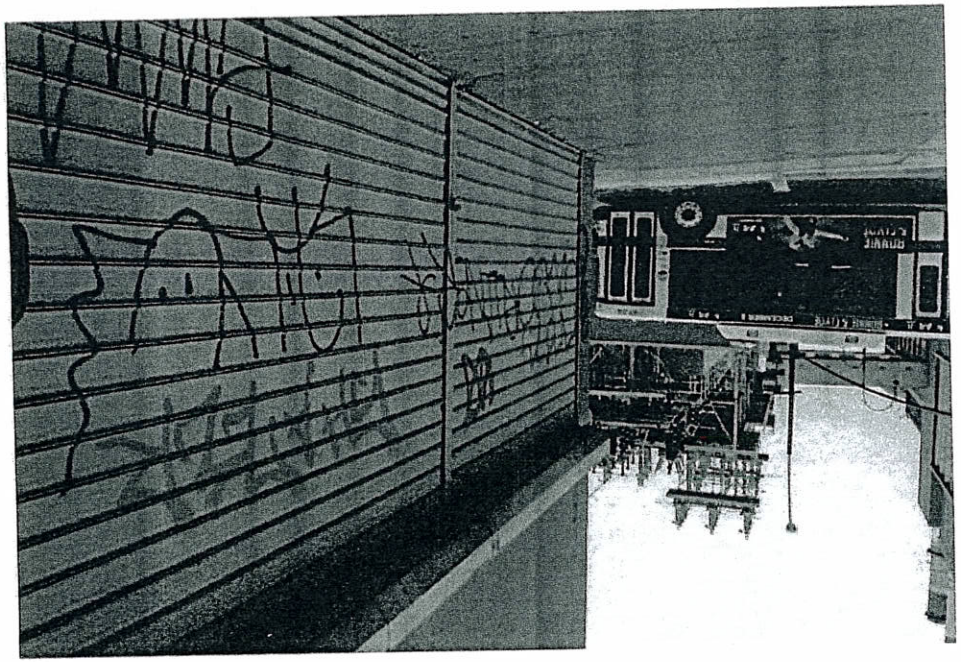
Drawn By:	C.Q.
Reviewed By:	M.R
Approved By:	M.S
Date:	12/05/13
Scale:	AS NOTED

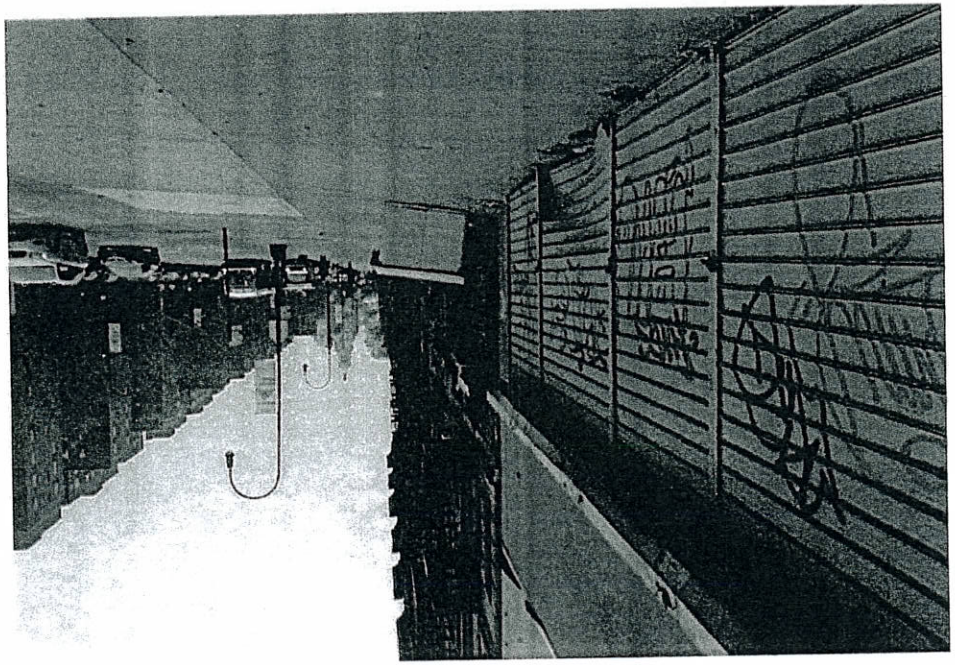
TITLE:

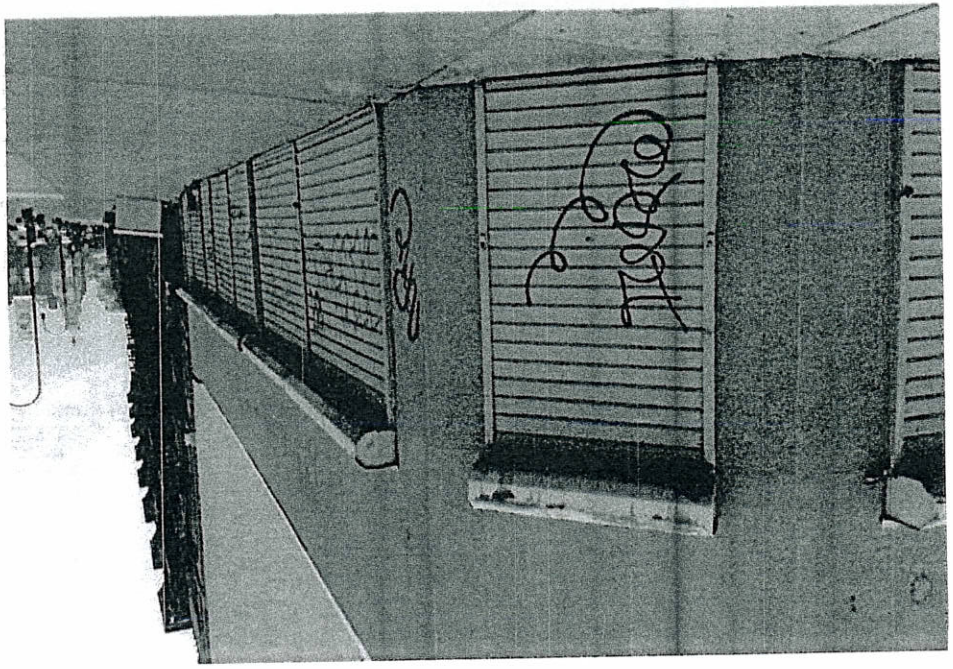
FIGURE 1: SITE PLAN

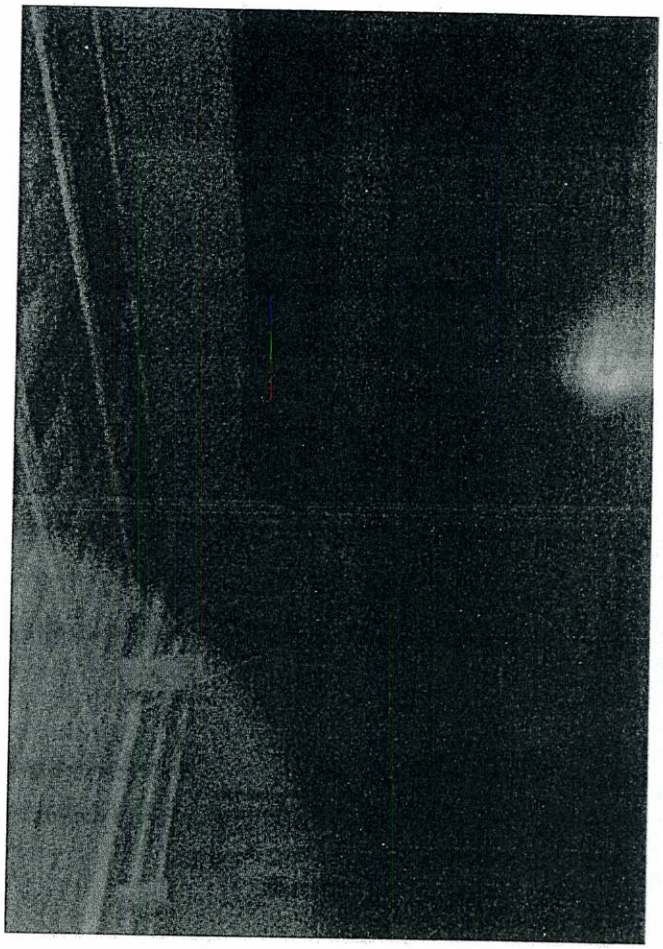
APPENDIX A

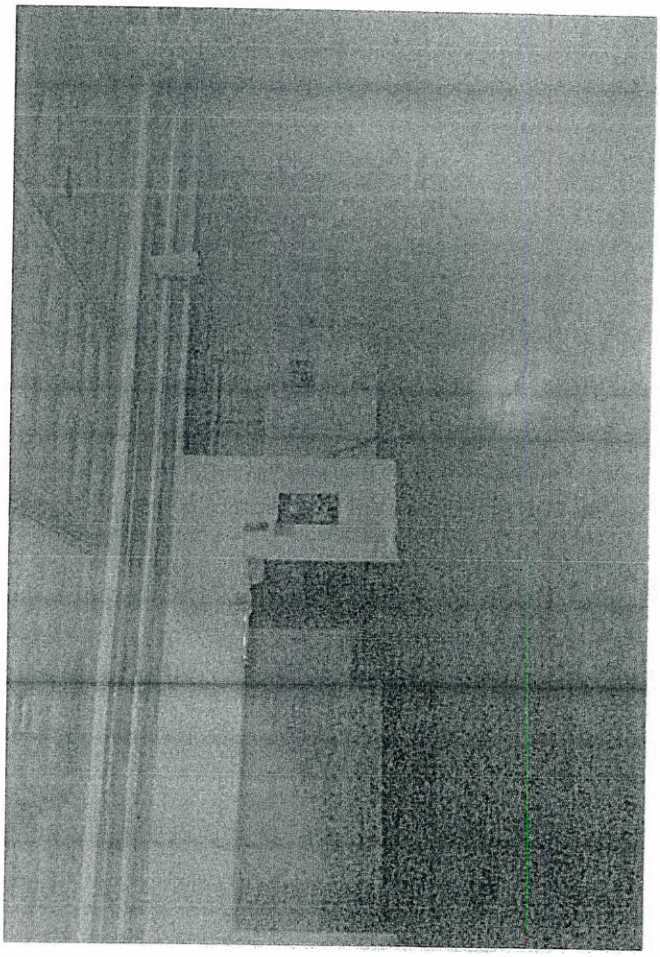
PHOTOGRAPHS

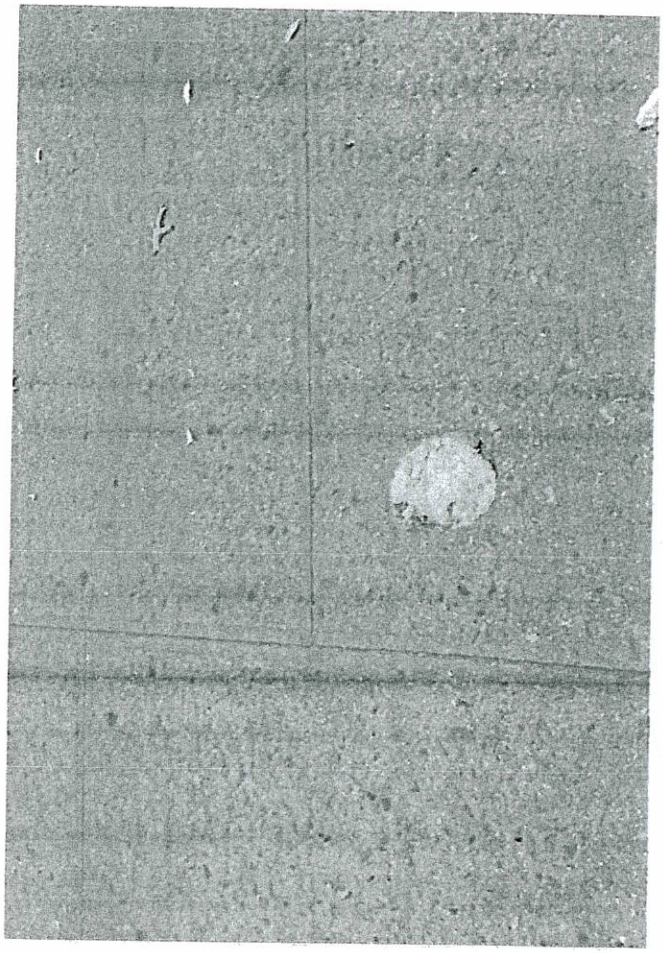


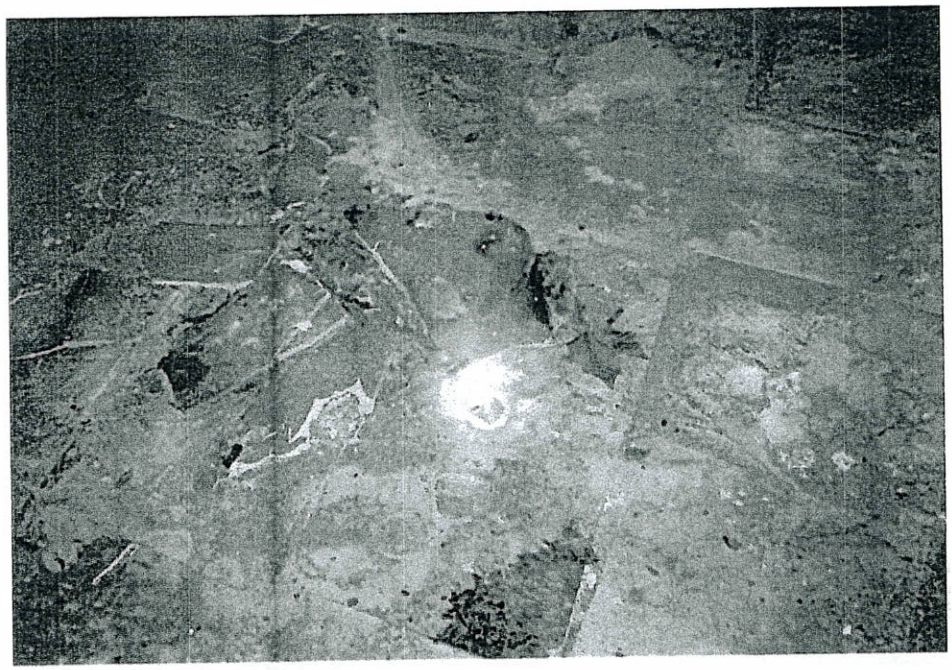


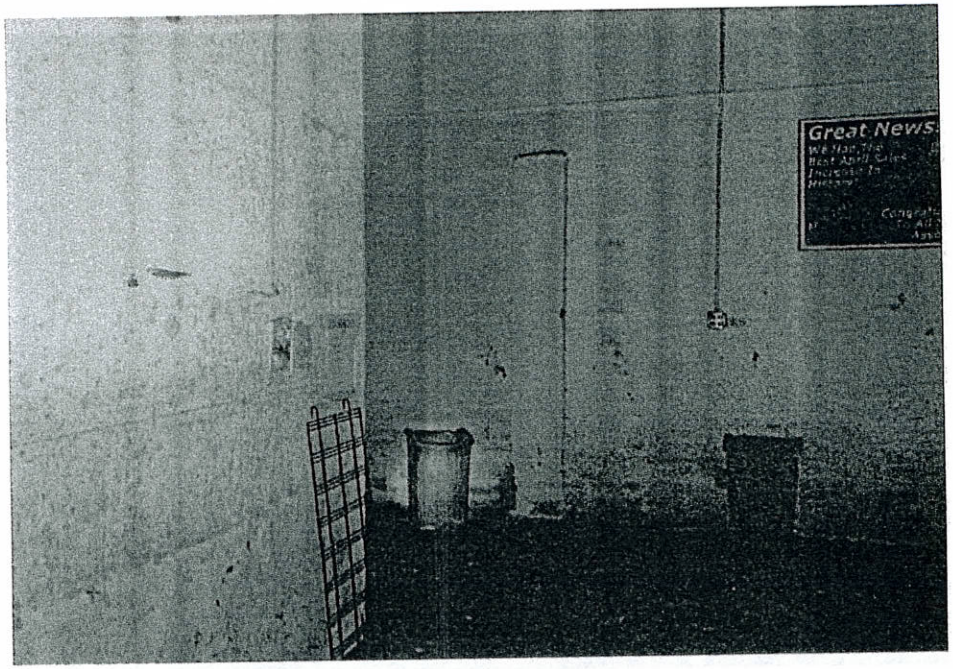


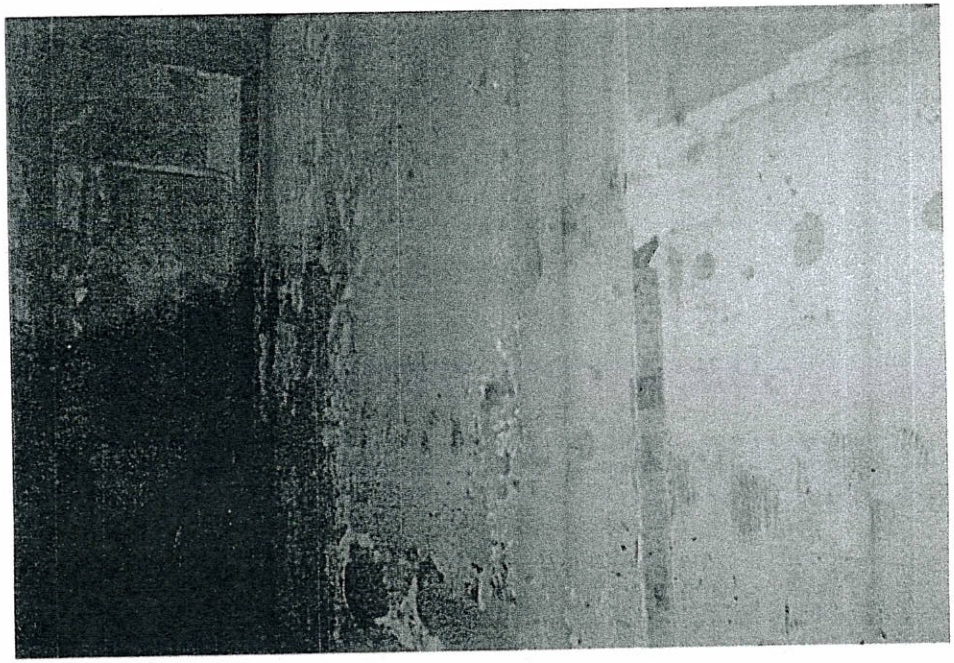


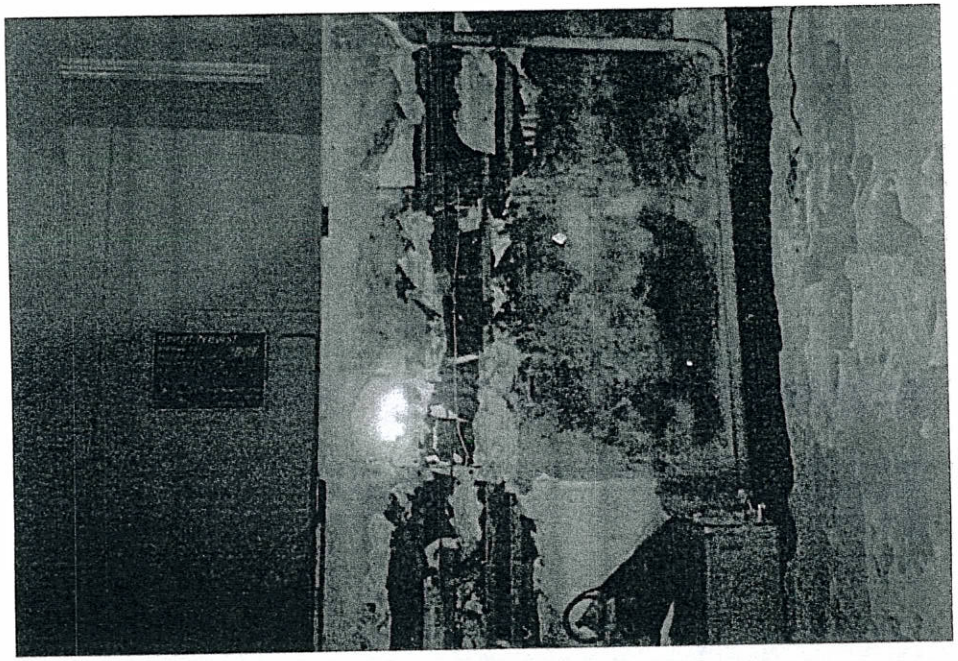


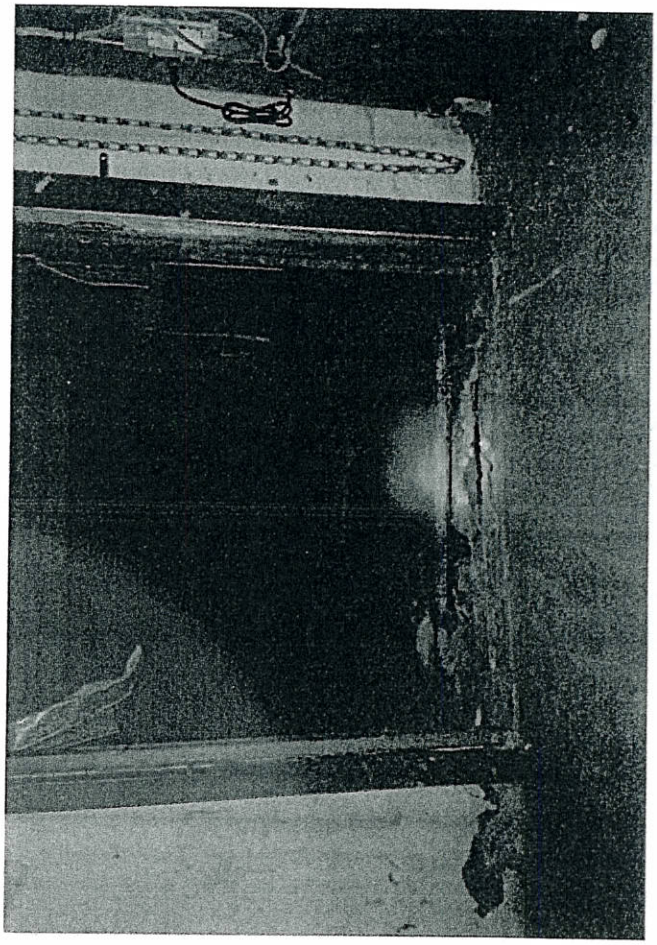


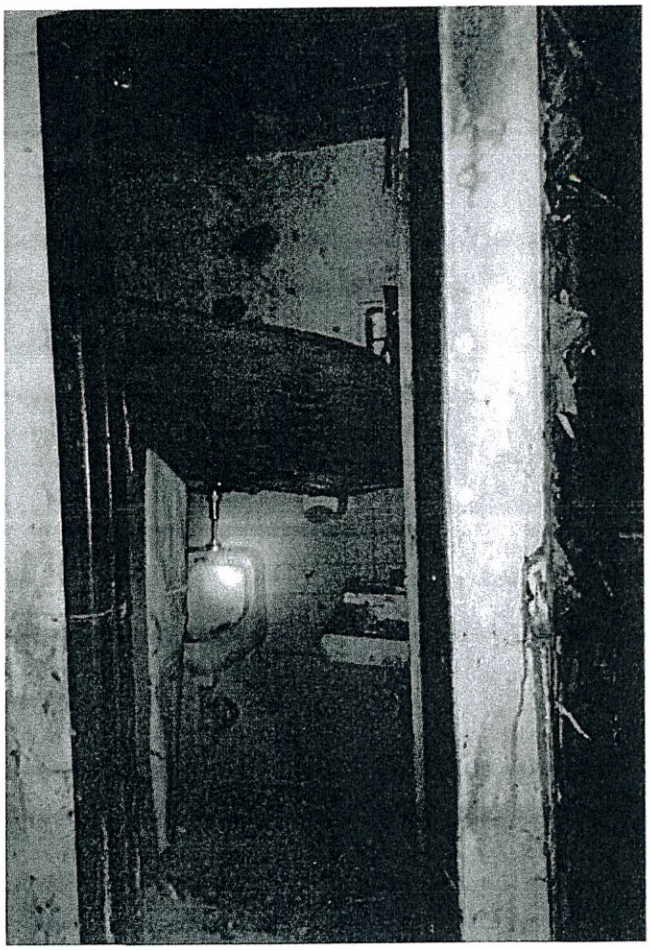



Great News









APPENDIX B

SANBORN MAPS

644 E. 14th Street, New York, New York 10009
644 E. 14th Street
New York, NY 10009

Inquiry Number: 3796457.3
November 26, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/26/13

Site Name:
644 E. 14th Street, New York,
644 E. 14th Street
New York, NY 10009

EDR Inquiry # 3796457.3

Client Name:
Hydro Tech Env. Corp.
77 Arkay Drive
Hauppauge, NY 11788-0000

Contact: Yvonne Martinez

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Hydro Tech Env. Corp. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 644 E. 14th Street, New York, New York 10009
Address: 644 E. 14th Street
City, State, Zip: New York, NY 10009
Cross Street:
P.O. # 5745
Project: 130336
Certification # 00B9-4653-93F5

Sanborn® Library search results
Certification # 00B9-4653-93F5

Maps Provided:

2005	1995	1987	1971	1903
2004	1994	1985	1950	
2003	1993	1983	1944	
2002	1992	1980	1928	
2001	1991	1979	1922	
1996	1988	1976	1920	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

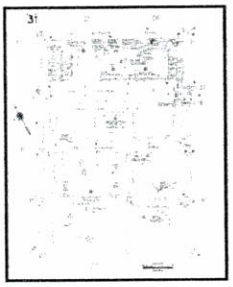
Hydro Tech Env. Corp. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2005 Source Sheets

Volume 2, Sheet 30



Volume 2, Sheet 31

Volume 2, Sheet 32

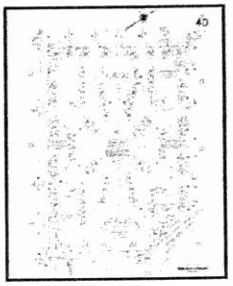
Volume 2, Sheet 40

2004 Source Sheets

Volume 2, Sheet 30

Volume 2, Sheet 31

Volume 2, Sheet 32



Volume 2, Sheet 40

2003 Source Sheets

Volume 1S, Sheet xxxx

Volume 2, Sheet 30

Volume 2, Sheet 31

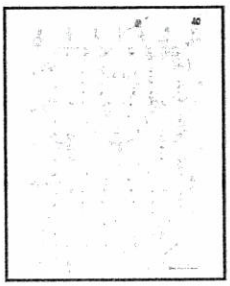
Volume 2, Sheet 32

Volume 2, Sheet 40

2002 Source Sheets

Volume 2, Sheet 31

Volume 2, Sheet 32

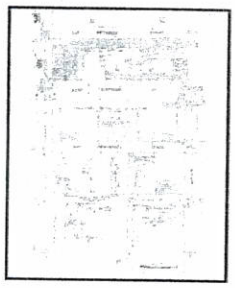


Volume 2, Sheet 40

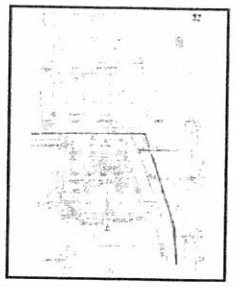
Volume 2, Sheet 30

2001 Source Sheets

Volume 2, Sheet 30



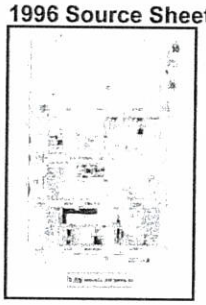
Volume 2, Sheet 31



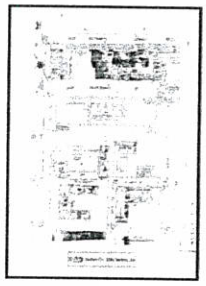
Volume 2, Sheet 32

Volume 2, Sheet 40

1996 Source Sheets



Volume 2, Sheet 30



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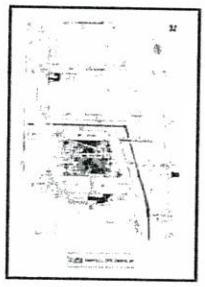

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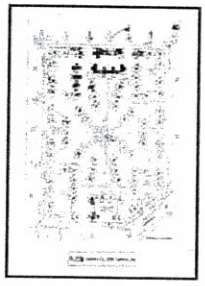
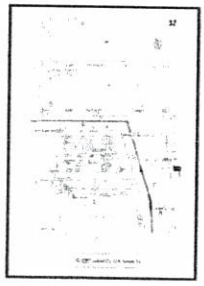


Volume 2, Sheet 40

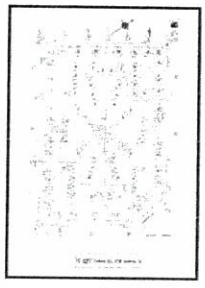
1995 Source Sheets

Volume 2, Sheet 30

Volume 2, Sheet 31



Volume 2, Sheet 32



Volume 2, Sheet 40

1994 Source Sheets

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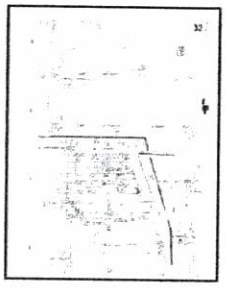
Volume 2, Sheet 31



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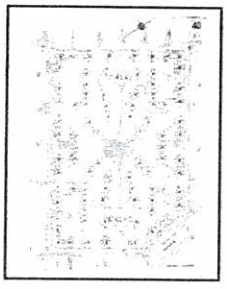

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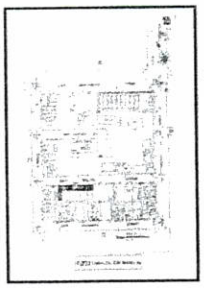
1993 Source Sheets

Volume 2, Sheet 40



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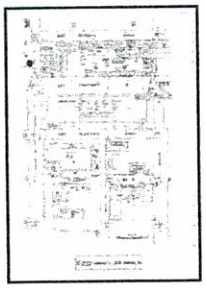
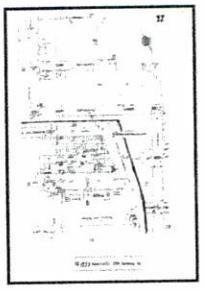


Volume 2, Sheet 31



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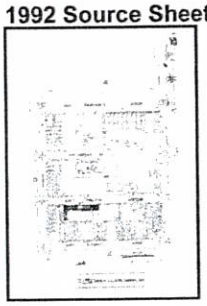

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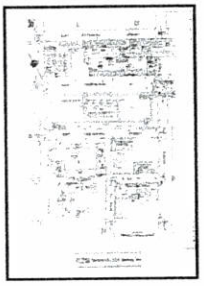
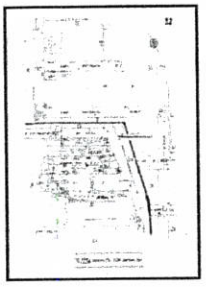
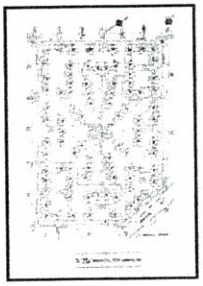


Volume 2, Sheet 31



Volume 2, Sheet 32



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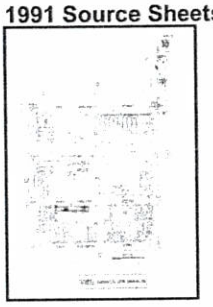

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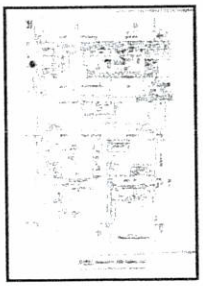

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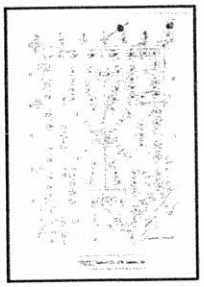
Volume 2, Sheet 32



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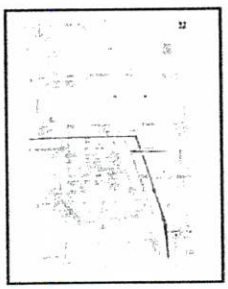
1988 Source Sheets

Volume 2, Sheet 30

Volume 2, Sheet 31



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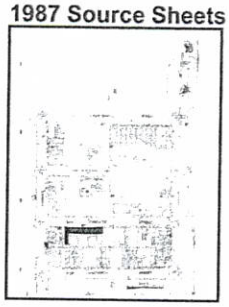
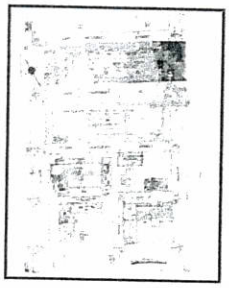


Volume 2, Sheet 30



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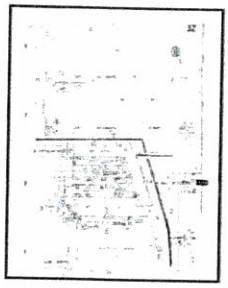

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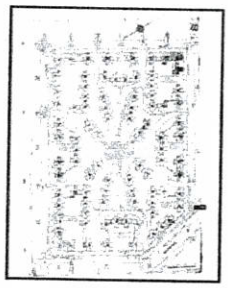

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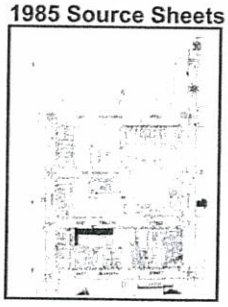
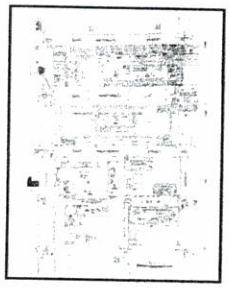
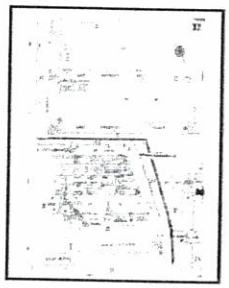


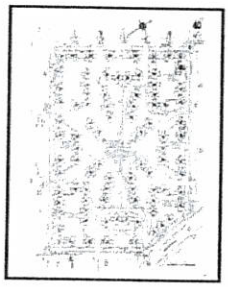
Volume 2, Sheet 30



Volume 2, Sheet 31



Volume 2, Sheet 32



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1983 Source Sheets

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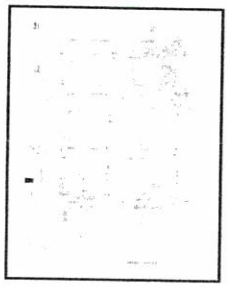

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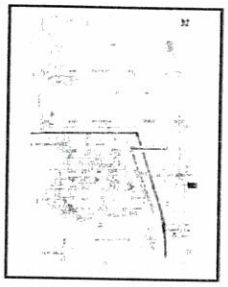

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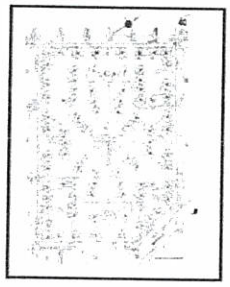

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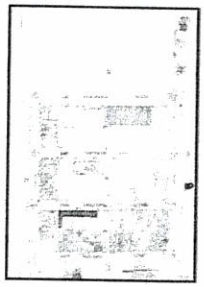
1980 Source Sheets

Volume 1S, Sheet xxxx

Volume 2, Sheet xxxx



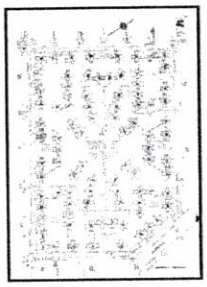
Volume 2, Sheet 30

Volume 2, Sheet 31

Volume 2, Sheet 32

Volume 2, Sheet 40

Volume 2, Sheet 40



Volume 3, Sheet xxxx

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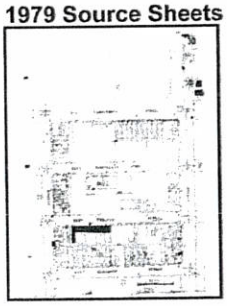

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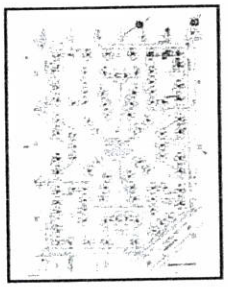
Volume 2, Sheet 31

Volume 2, Sheet 32



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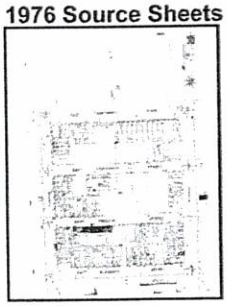

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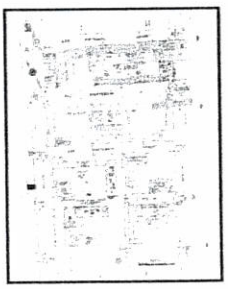
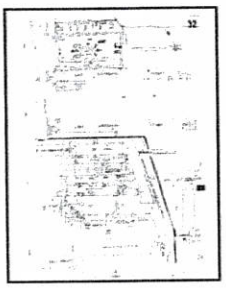


Volume 2, Sheet 31



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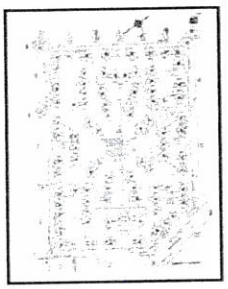

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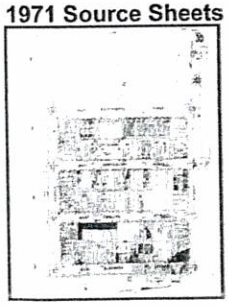

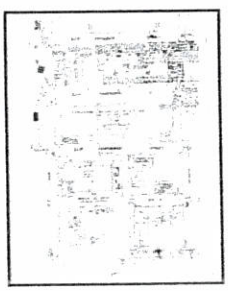

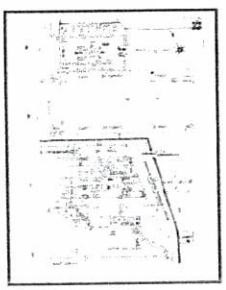

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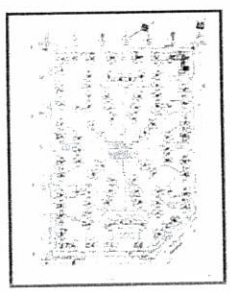

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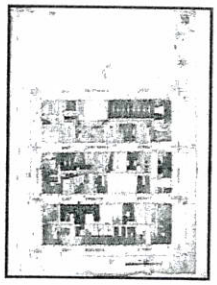
Volume 2, Sheet xxxx



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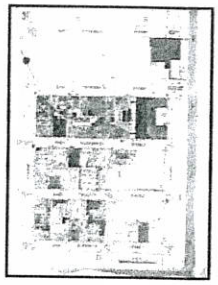

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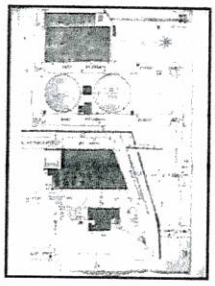

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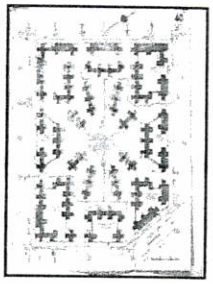

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Volume 3, Sheet xxxx

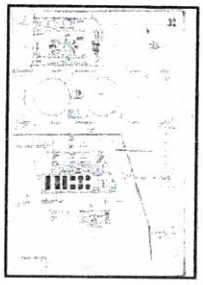
Volume 1S, Sheet xxxx

1944 Source Sheets

Volume 2, Sheet xxxx

Volume 2, Sheet 30

Volume 2, Sheet 31



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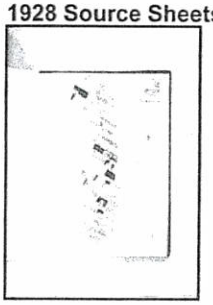
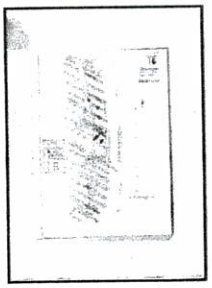


Volume Pier Maps, Sheet 16

1922 Source Sheets

Volume 1N, Sheet xxxx



Volume Pier Maps, Sheet 16

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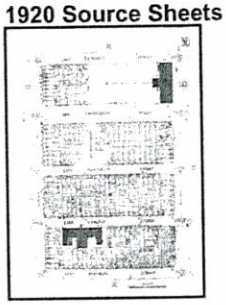

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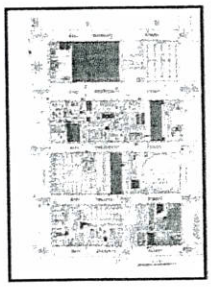

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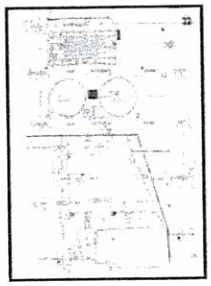

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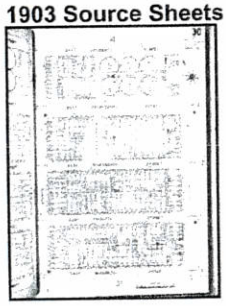

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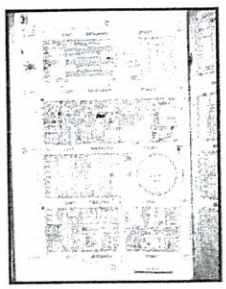

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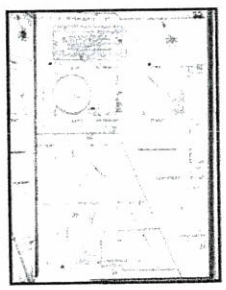

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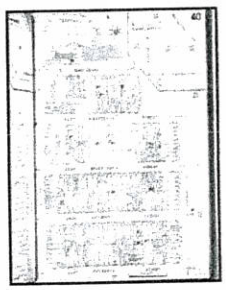

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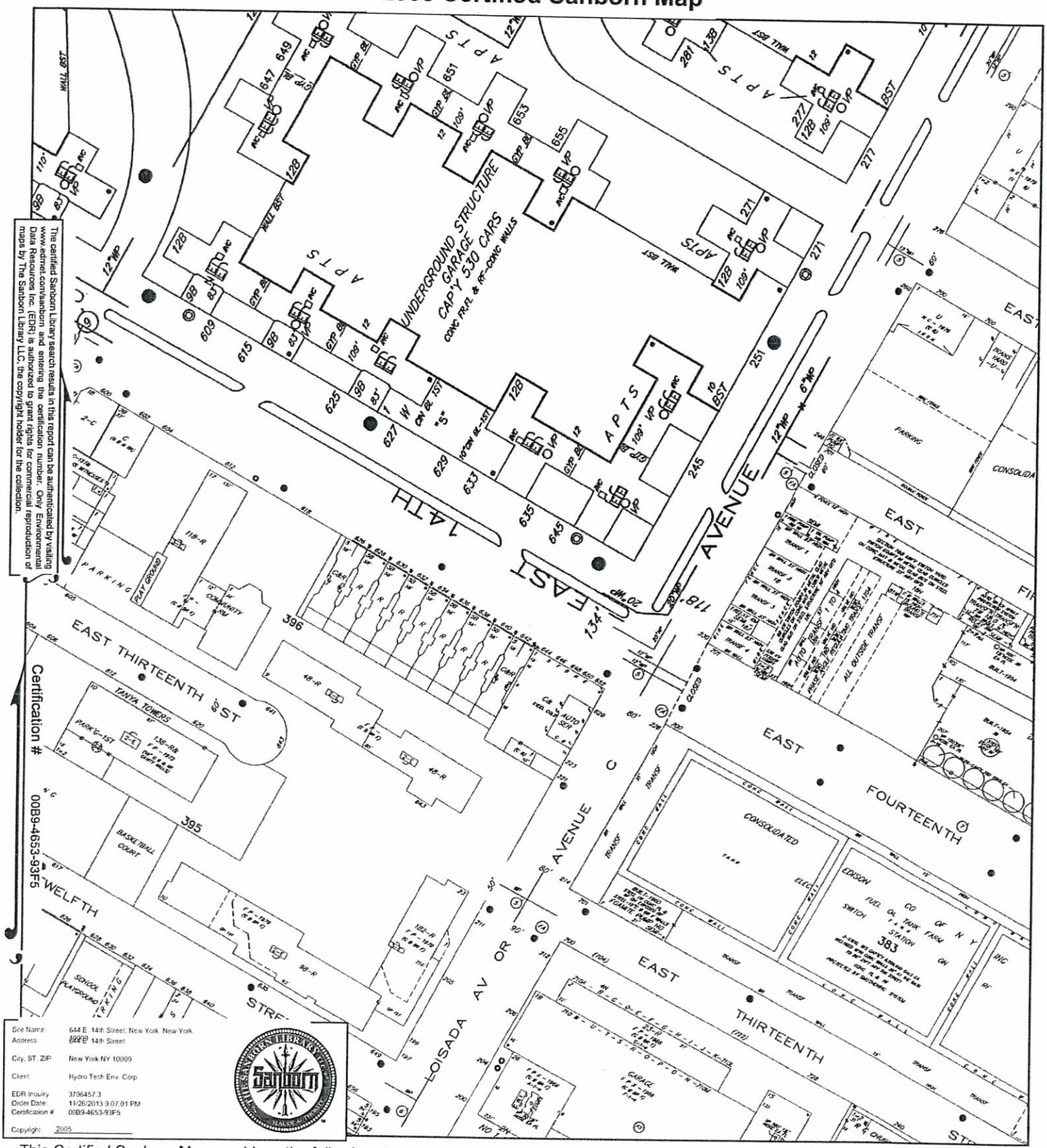
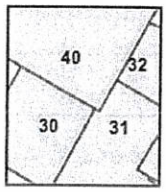
2005 Certified Sanborn Map



Certification # 00B9-4653-93F5

Site Name:	644 E. 14th Street, New York, New York
Address:	644 E. 14th Street
City, ST, ZIP:	New York NY 10009
Client:	Hydro Tech Env. Corp
EDR Inquiry:	3796457.3
Order Date:	11/26/2013 9:07:01 PM
Certification #:	00B9-4653-93F5
Copyright:	2005

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



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Volume 2, Sheet 31
Volume 2, Sheet 32
Volume 2, Sheet 40

0 Feet 150 300 600

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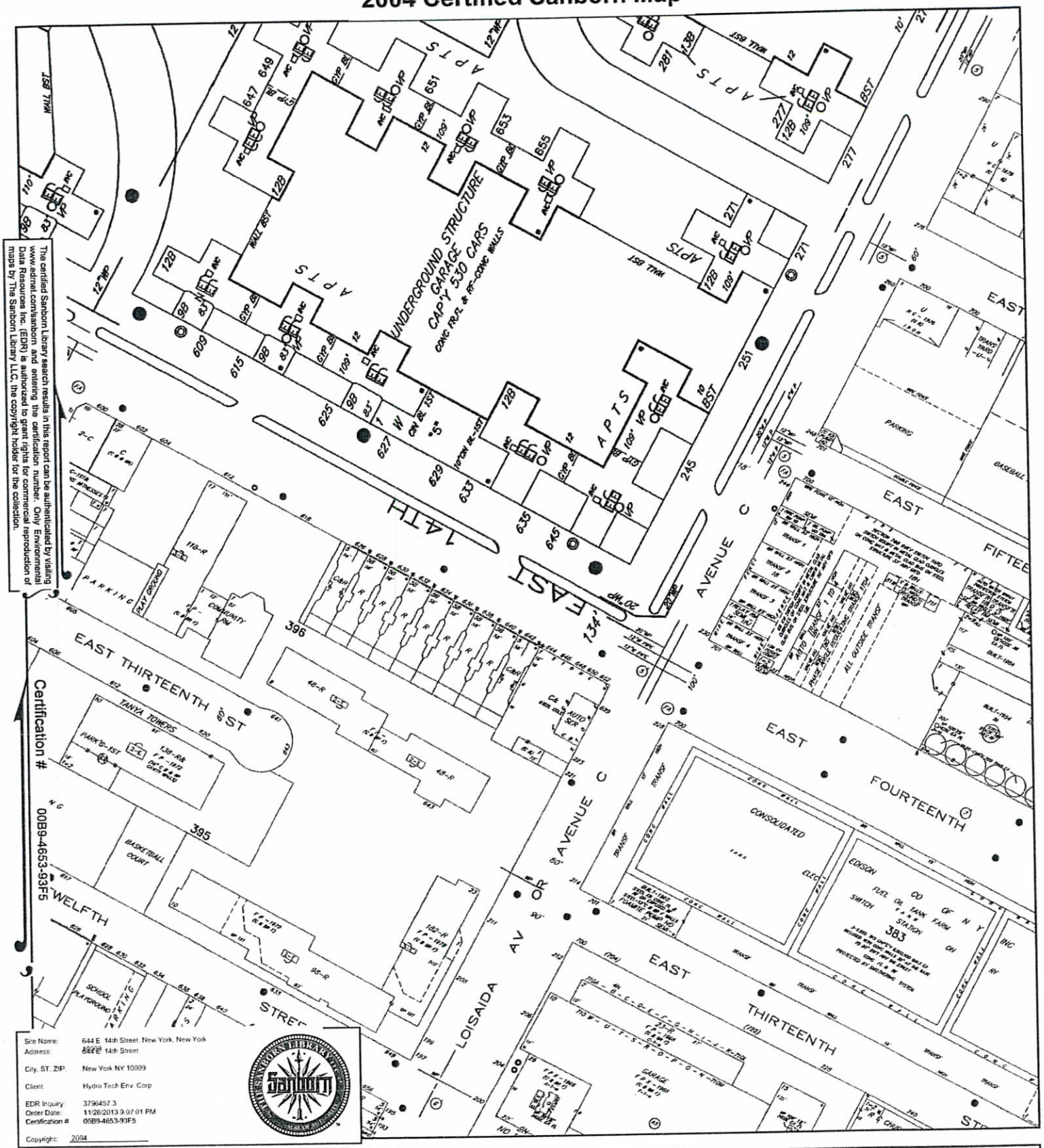
2004 Certified Sanborn Map



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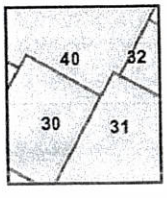

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0 Feet 150 300 600

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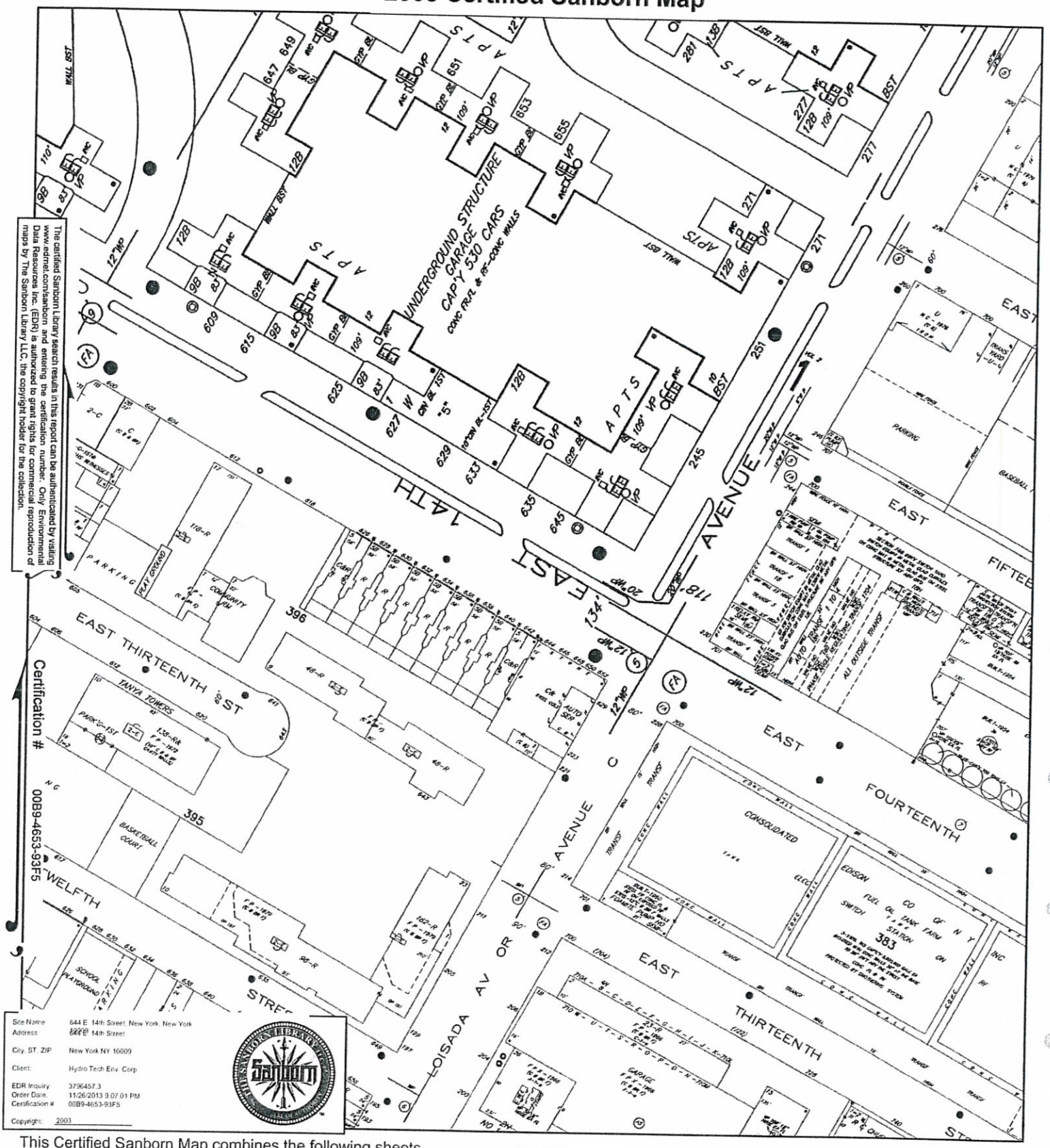

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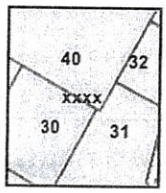

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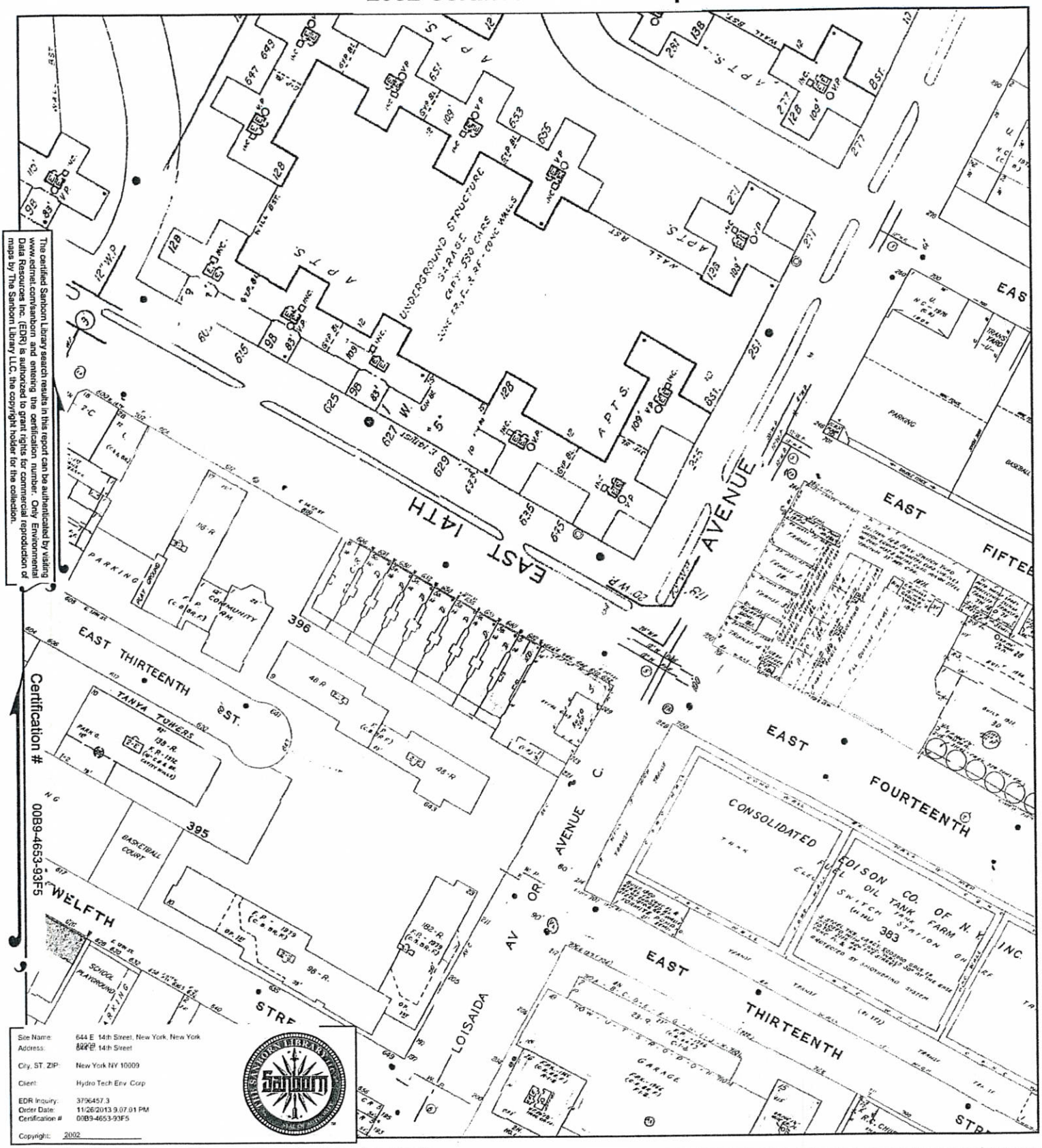
2002 Certified Sanborn Map



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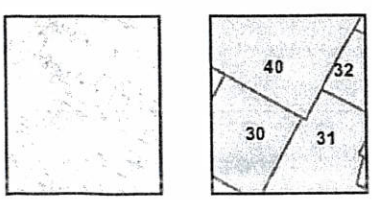

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0 Feet 150 300 600

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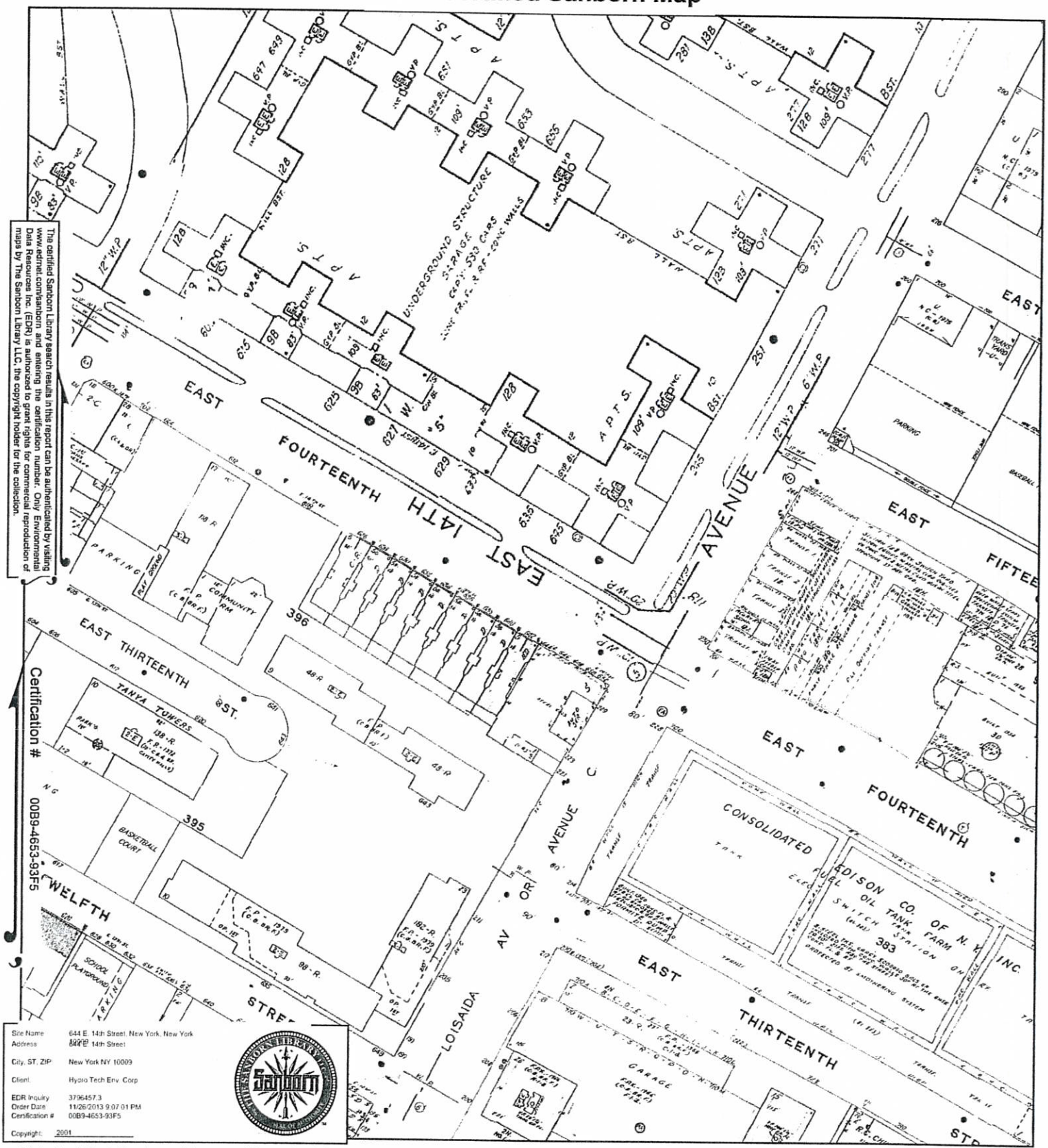

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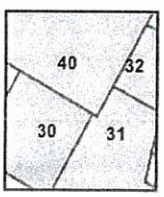

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0 Feet 150 300 600

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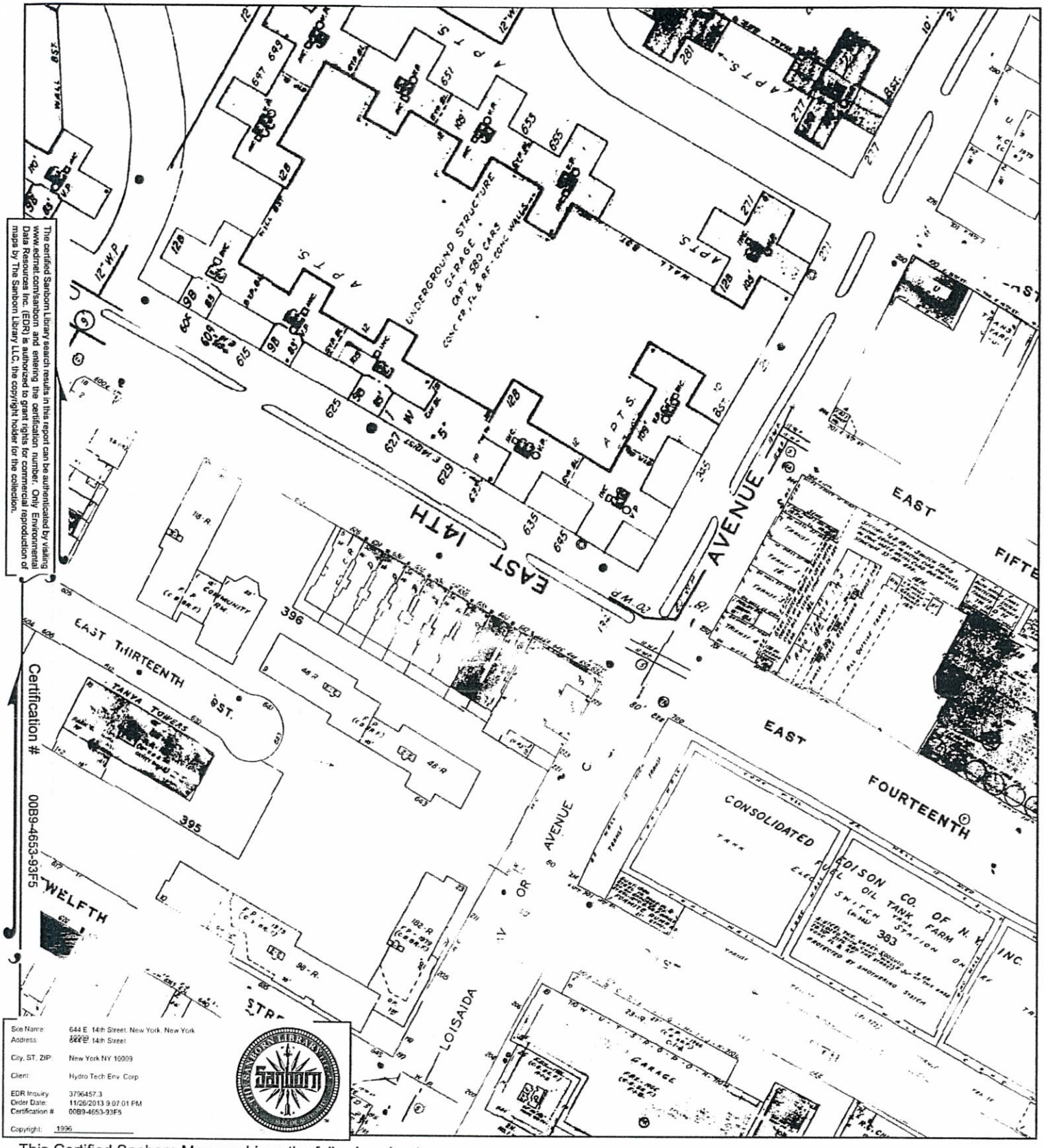

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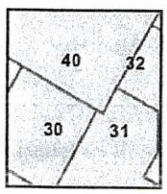

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0 Feet 150 300 600

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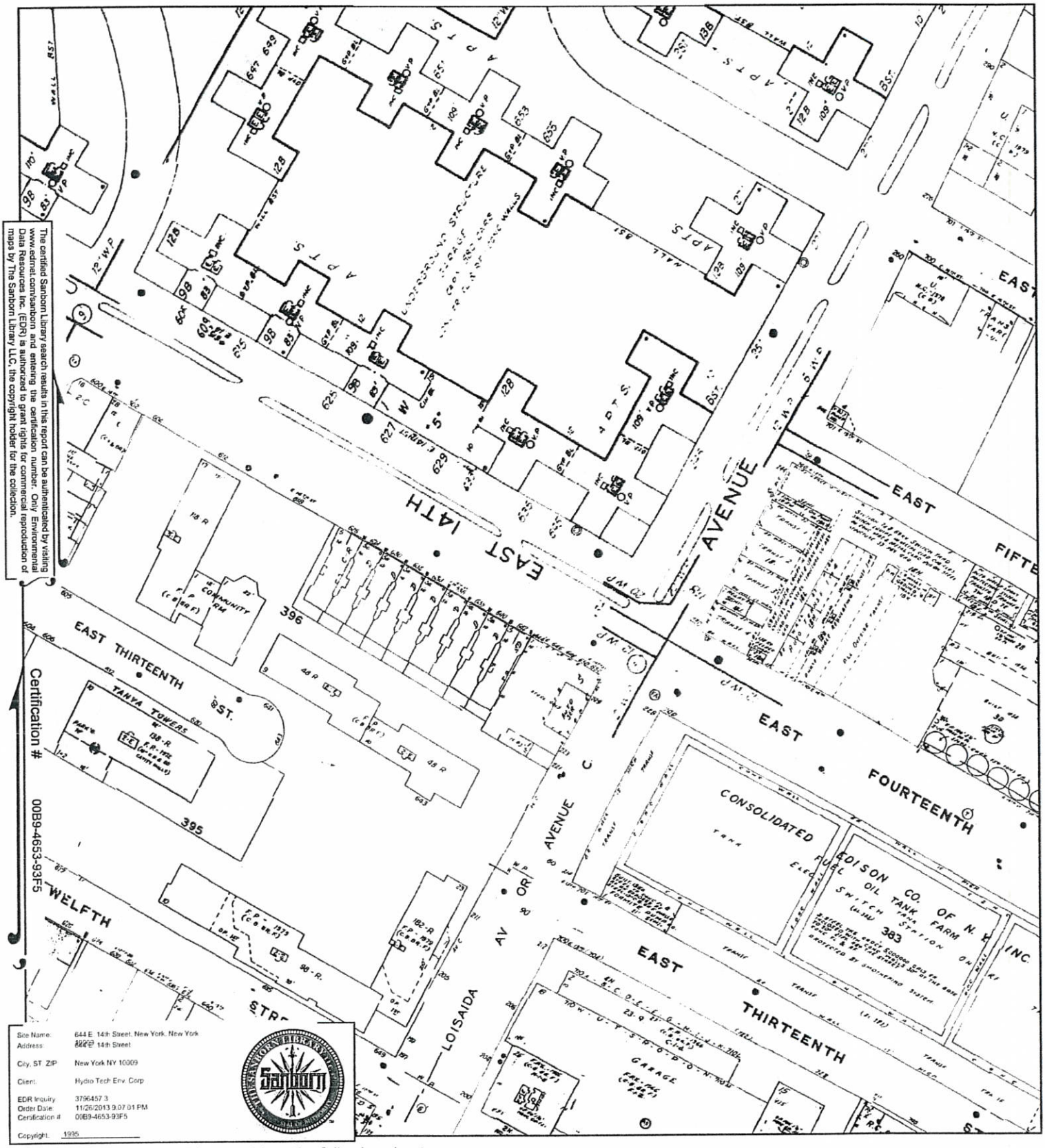

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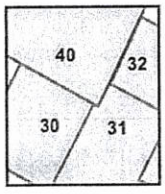

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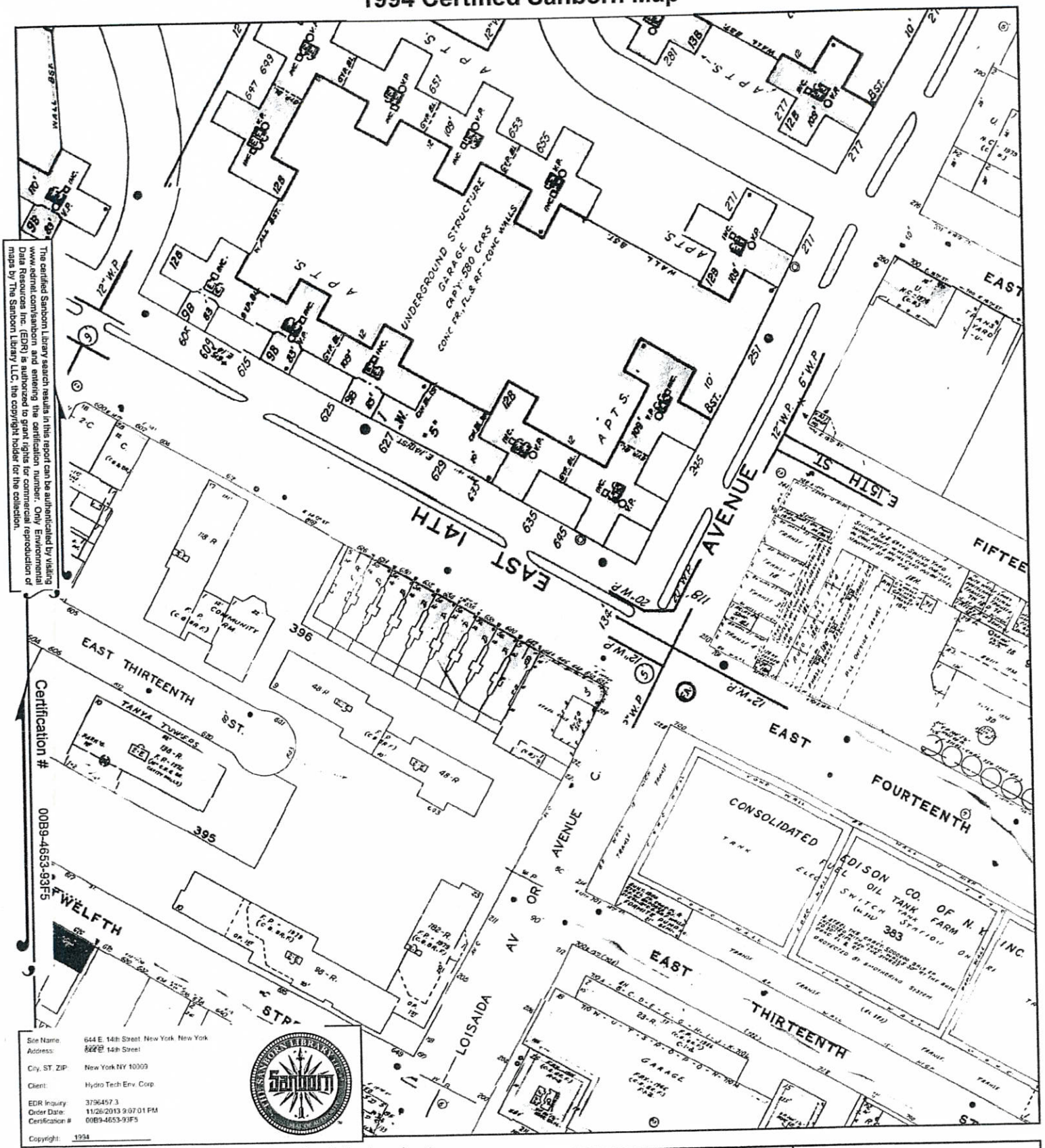
0 Feet 150 300 600

N

1994 Certified Sanborn Map



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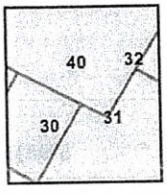

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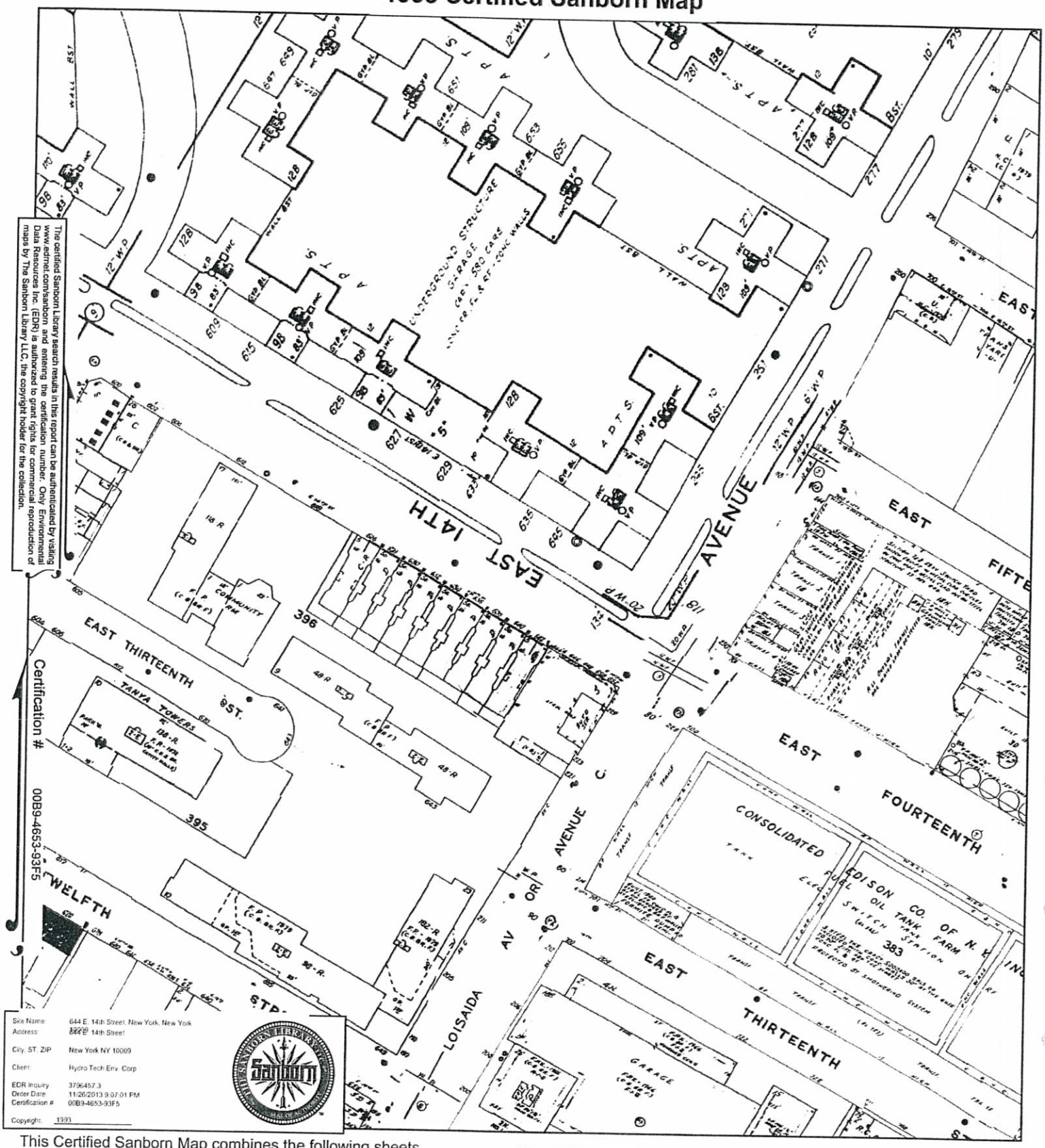

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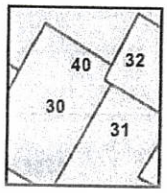

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Volume 2, Sheet 31
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0 Feet 150 300 600

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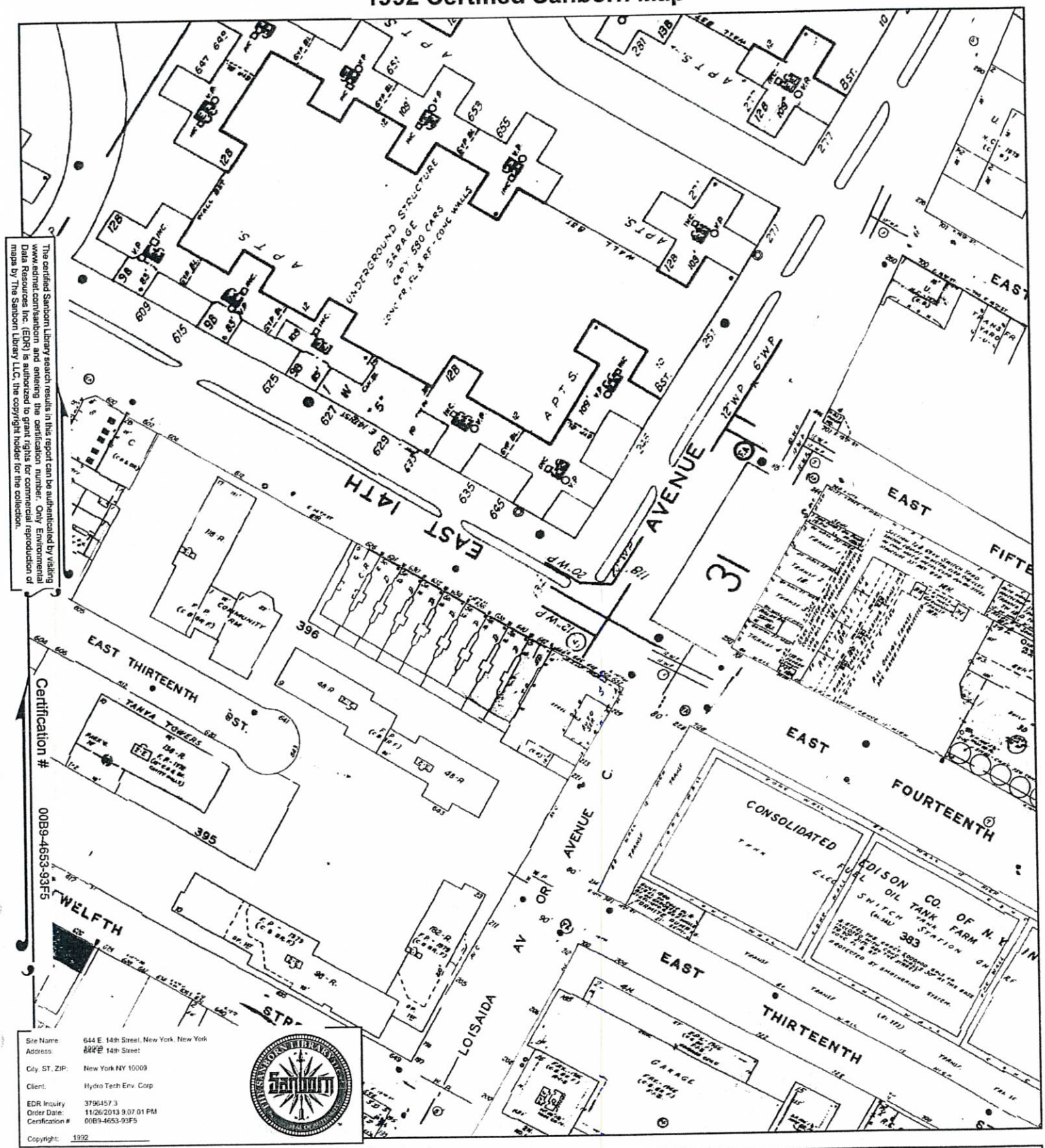
1992 Certified Sanborn Map



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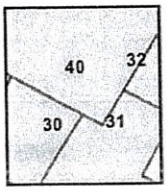

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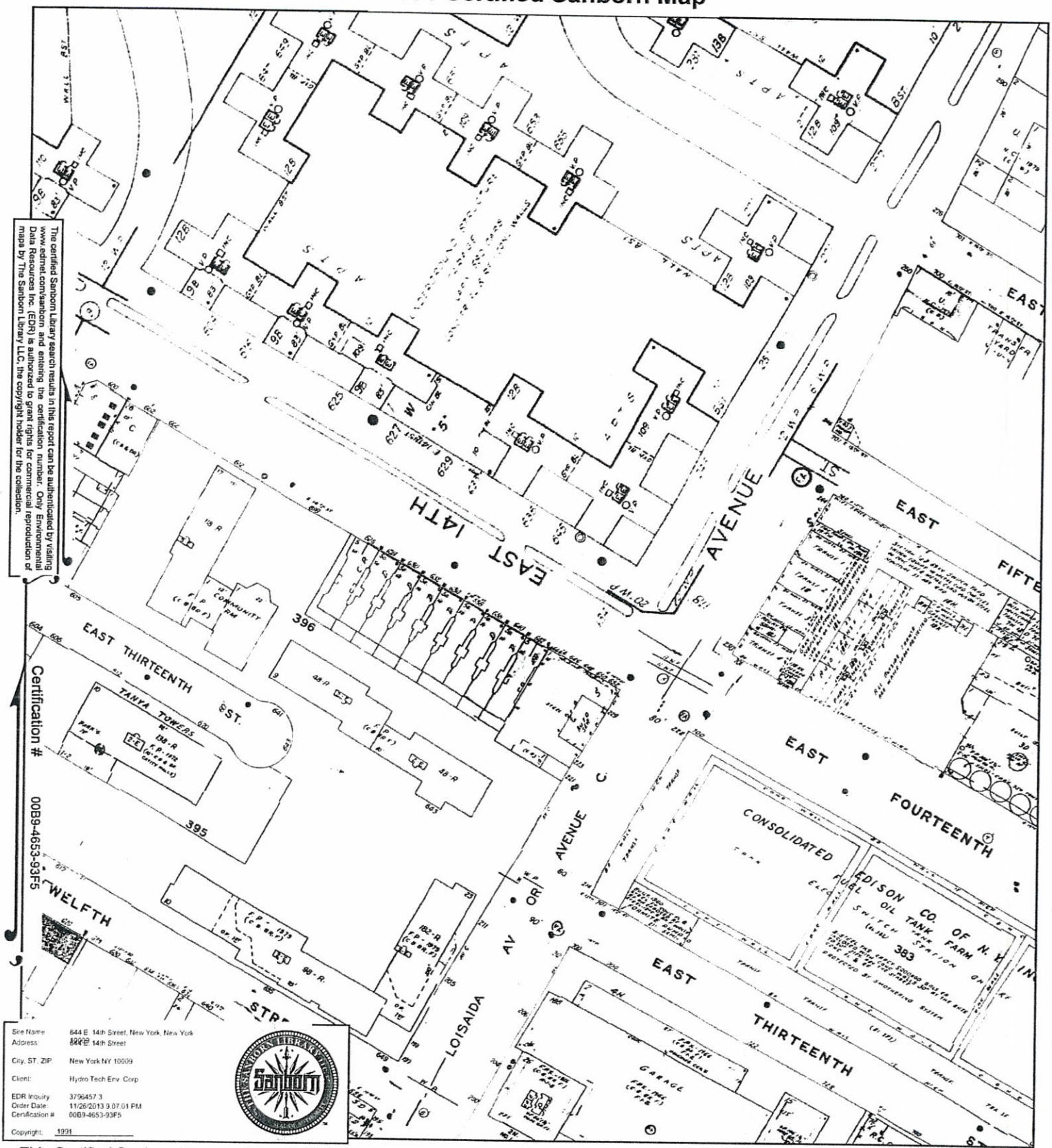

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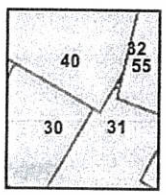

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0 Feet 150 300 600

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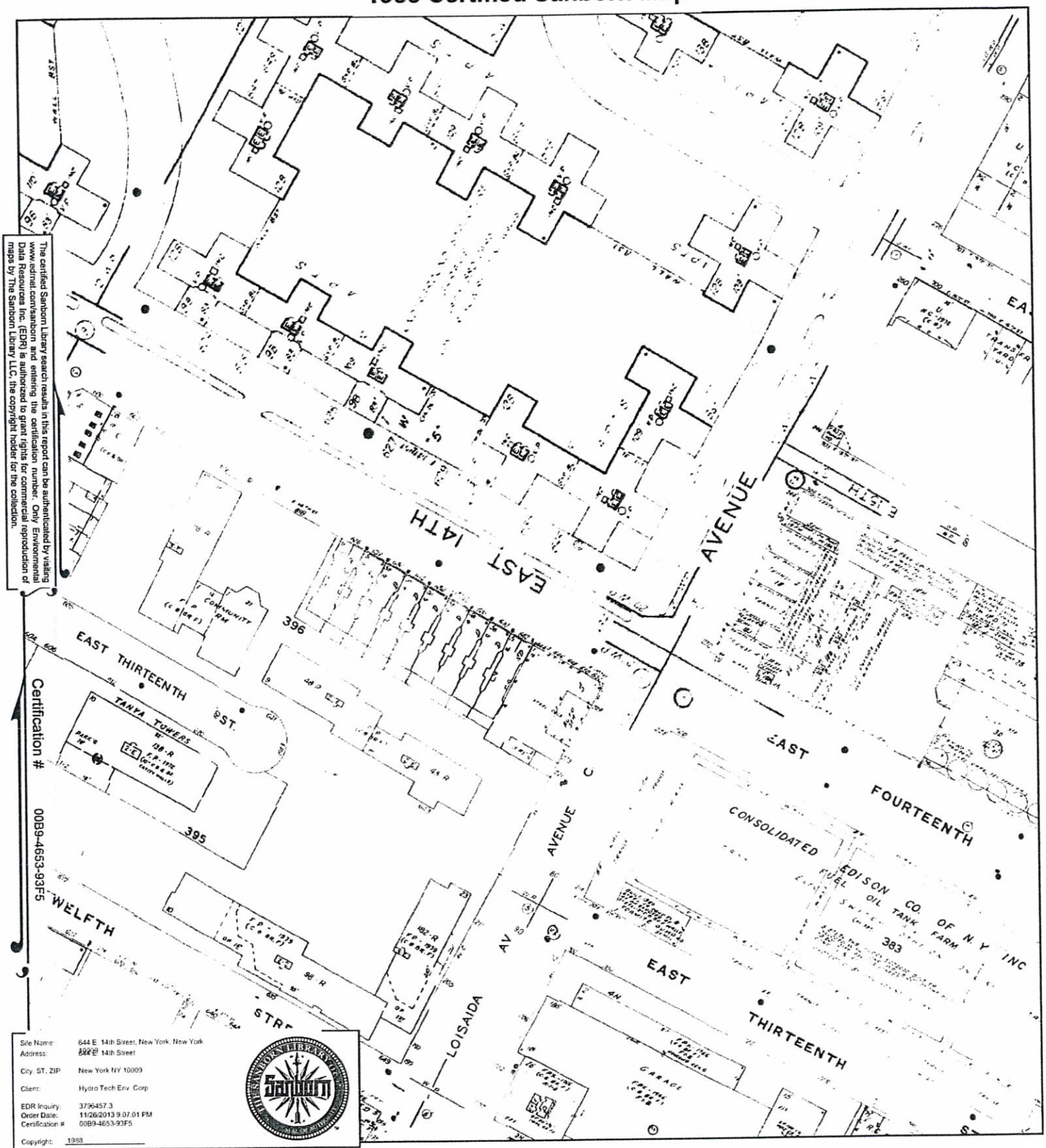
1988 Certified Sanborn Map



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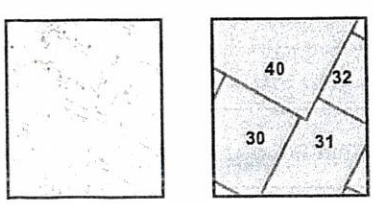

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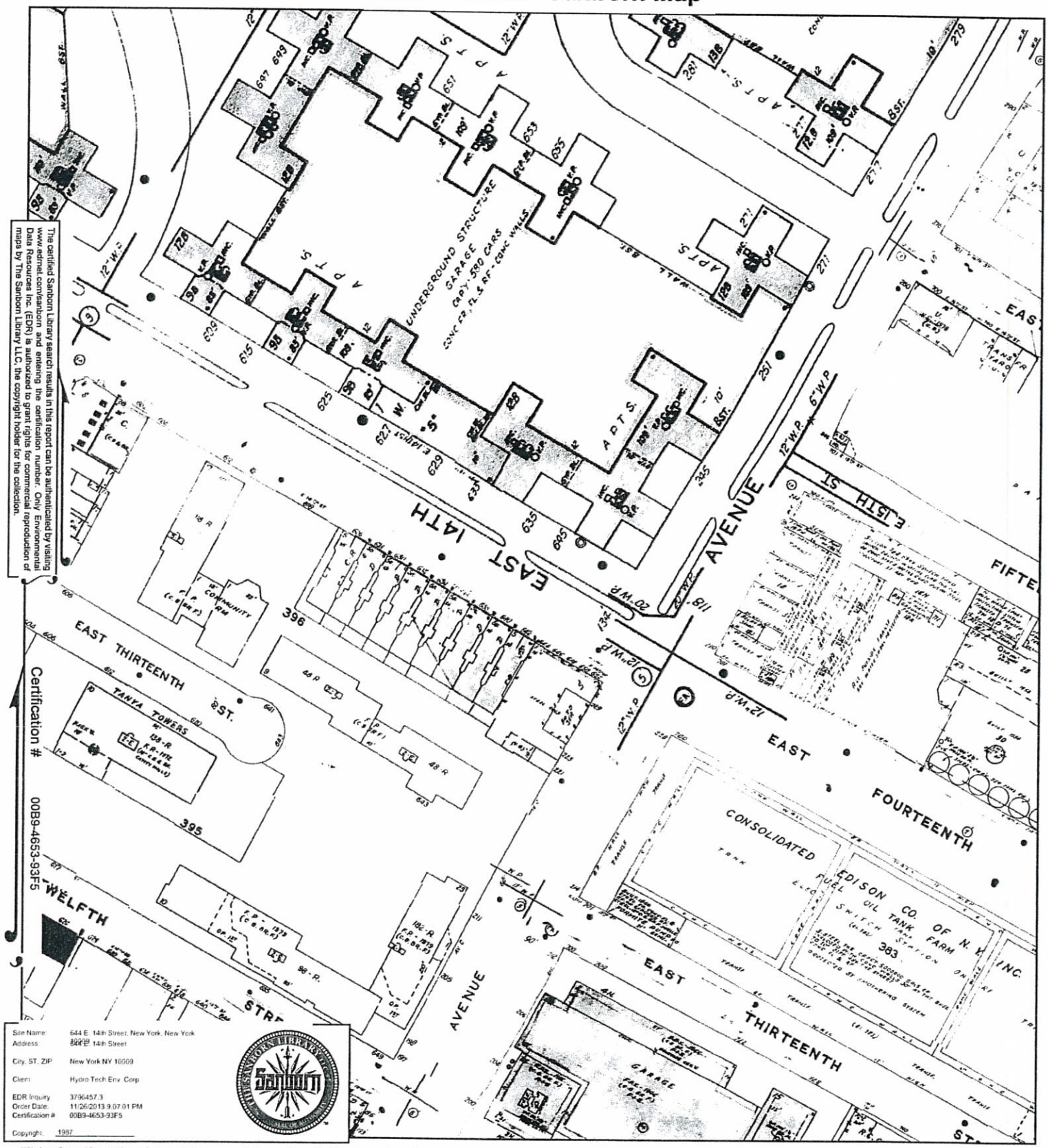

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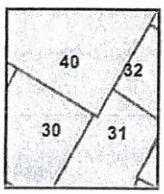

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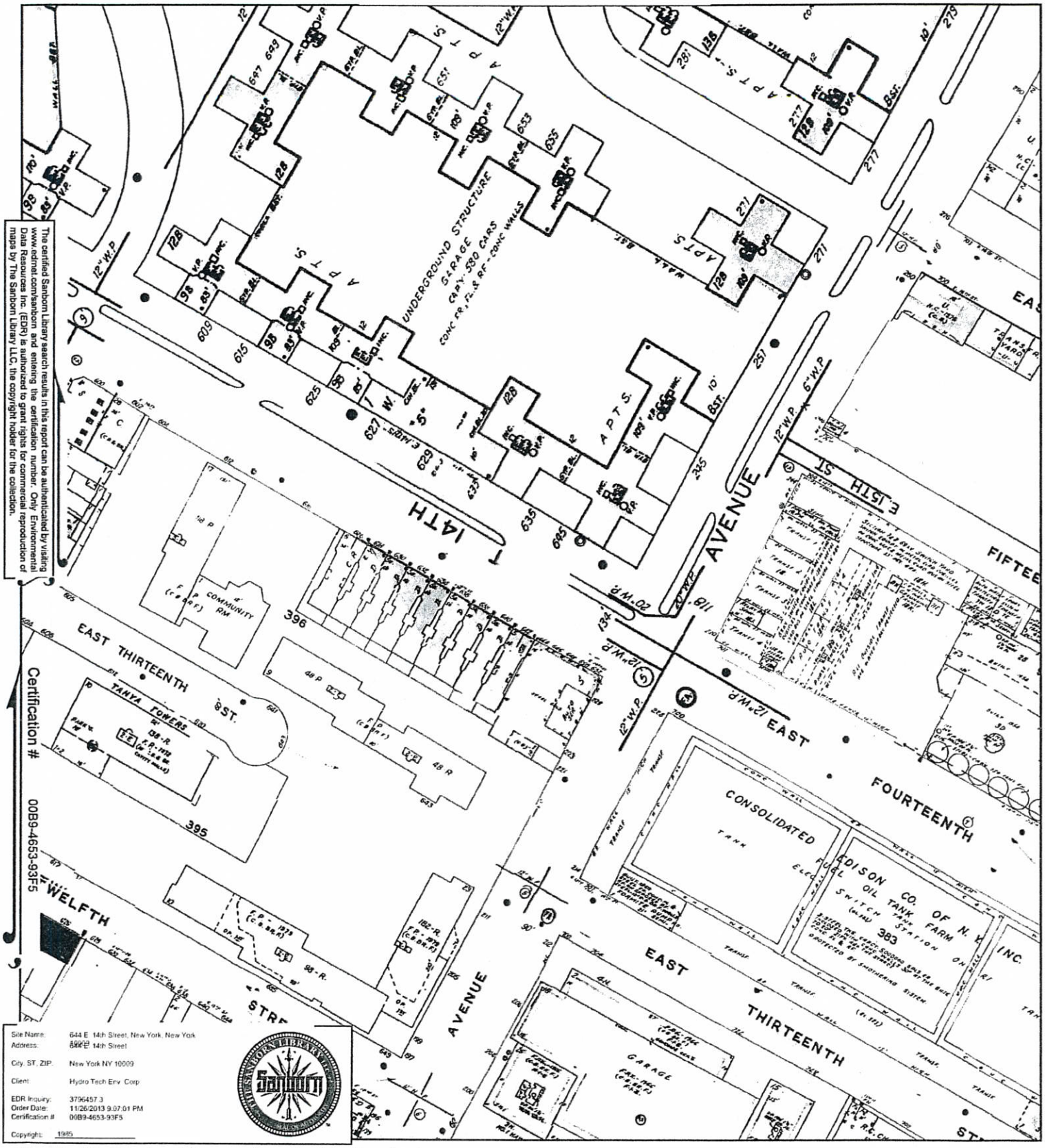
1985 Certified Sanborn Map



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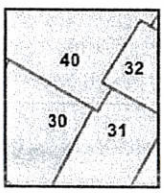

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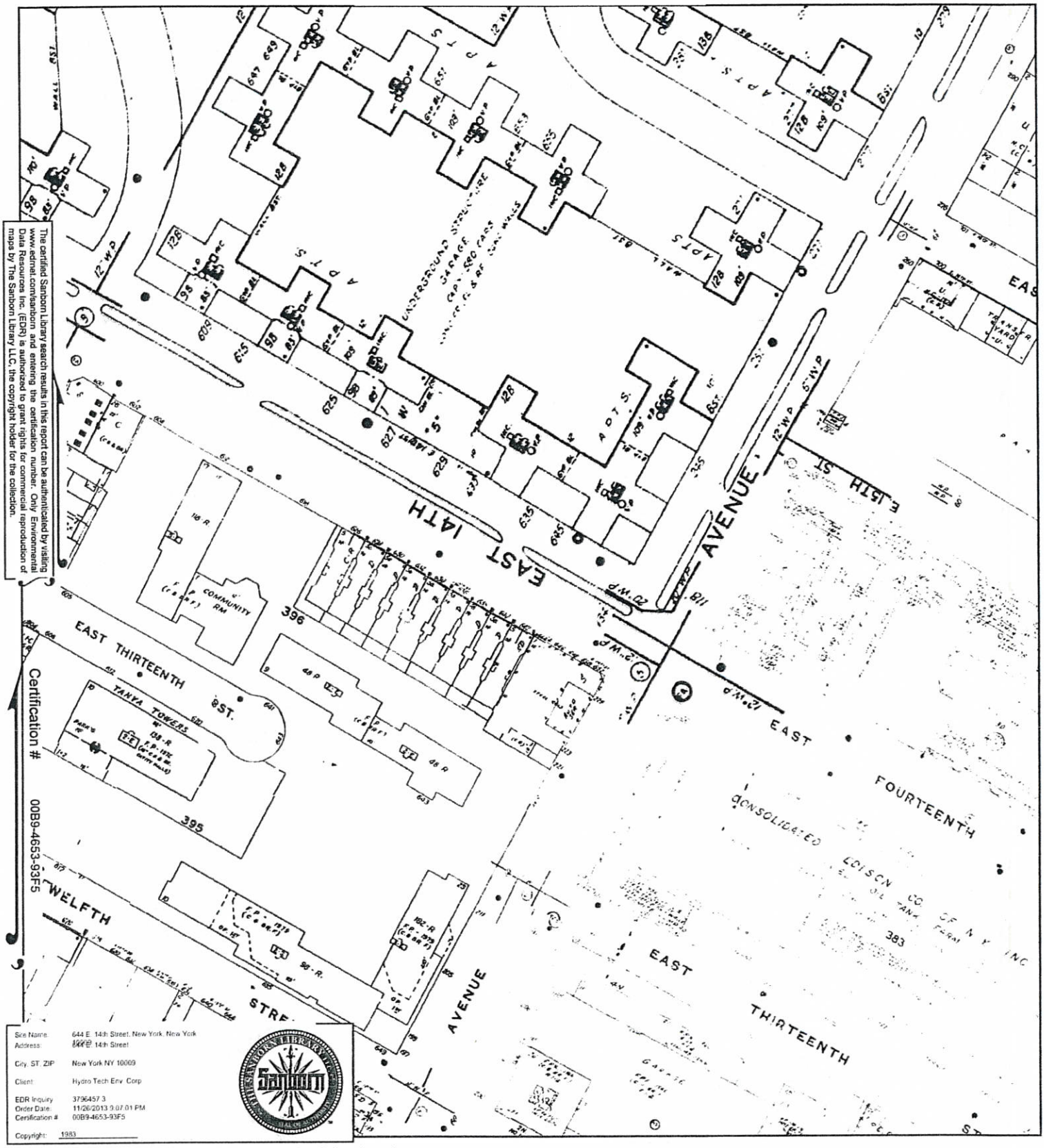
1983 Certified Sanborn Map



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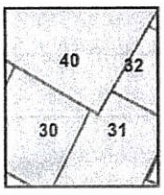

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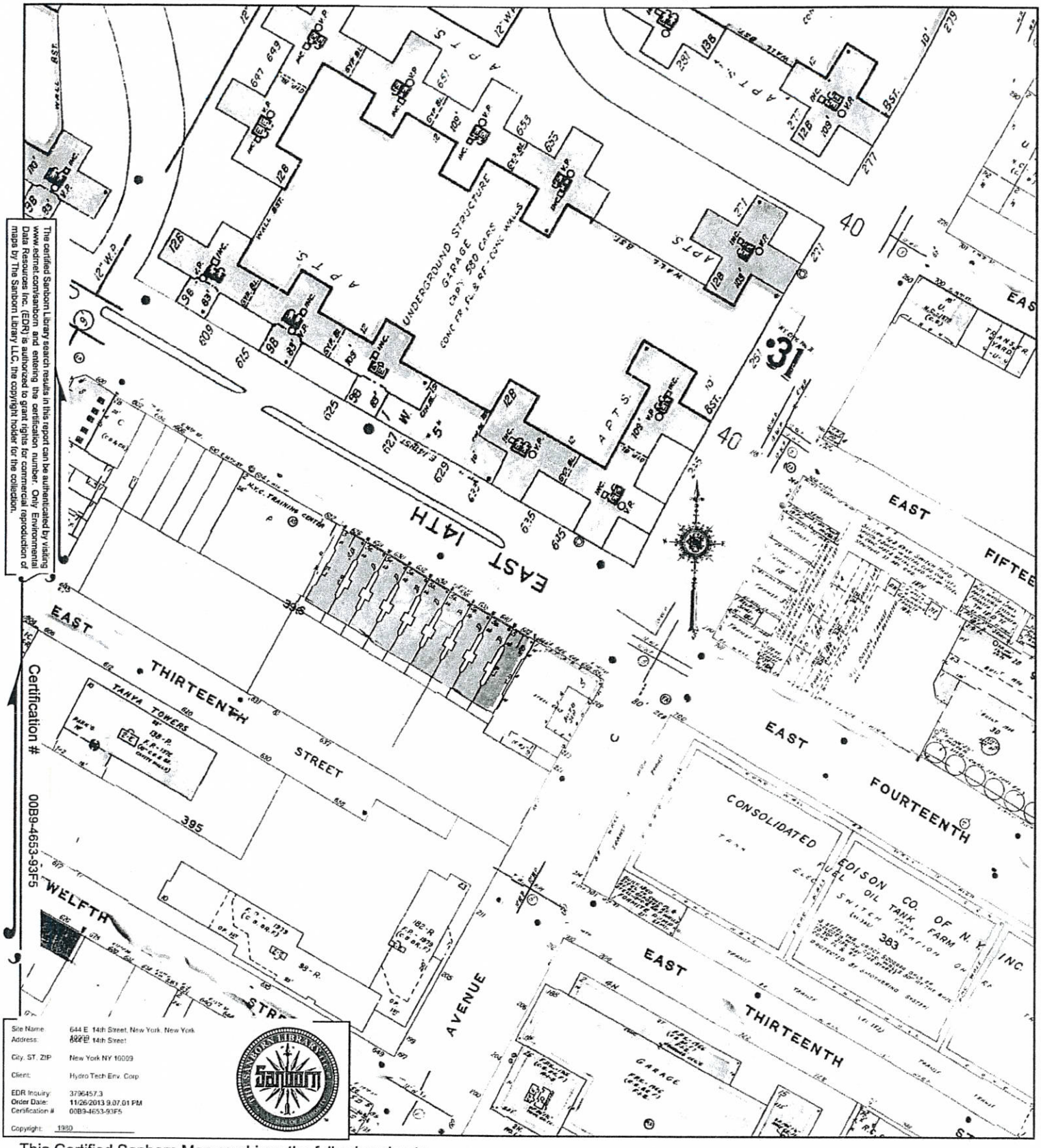
1980 Certified Sanborn Map



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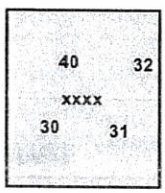

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Volume 3, Sheet xxxx

0 Feet 150 300 600

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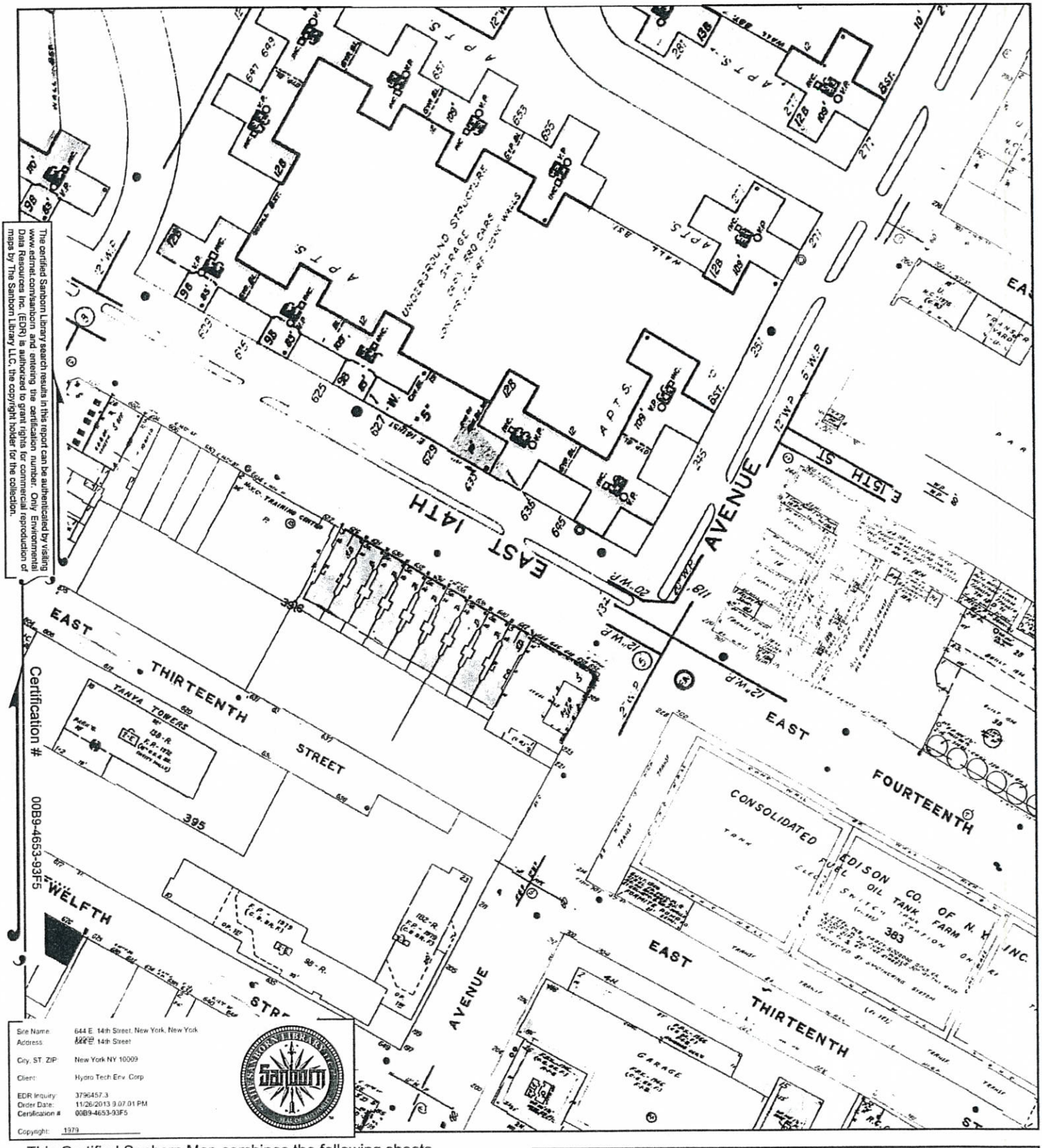
1979 Certified Sanborn Map



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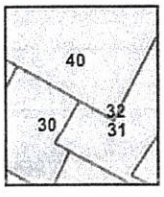

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0 Feet 150 300 600

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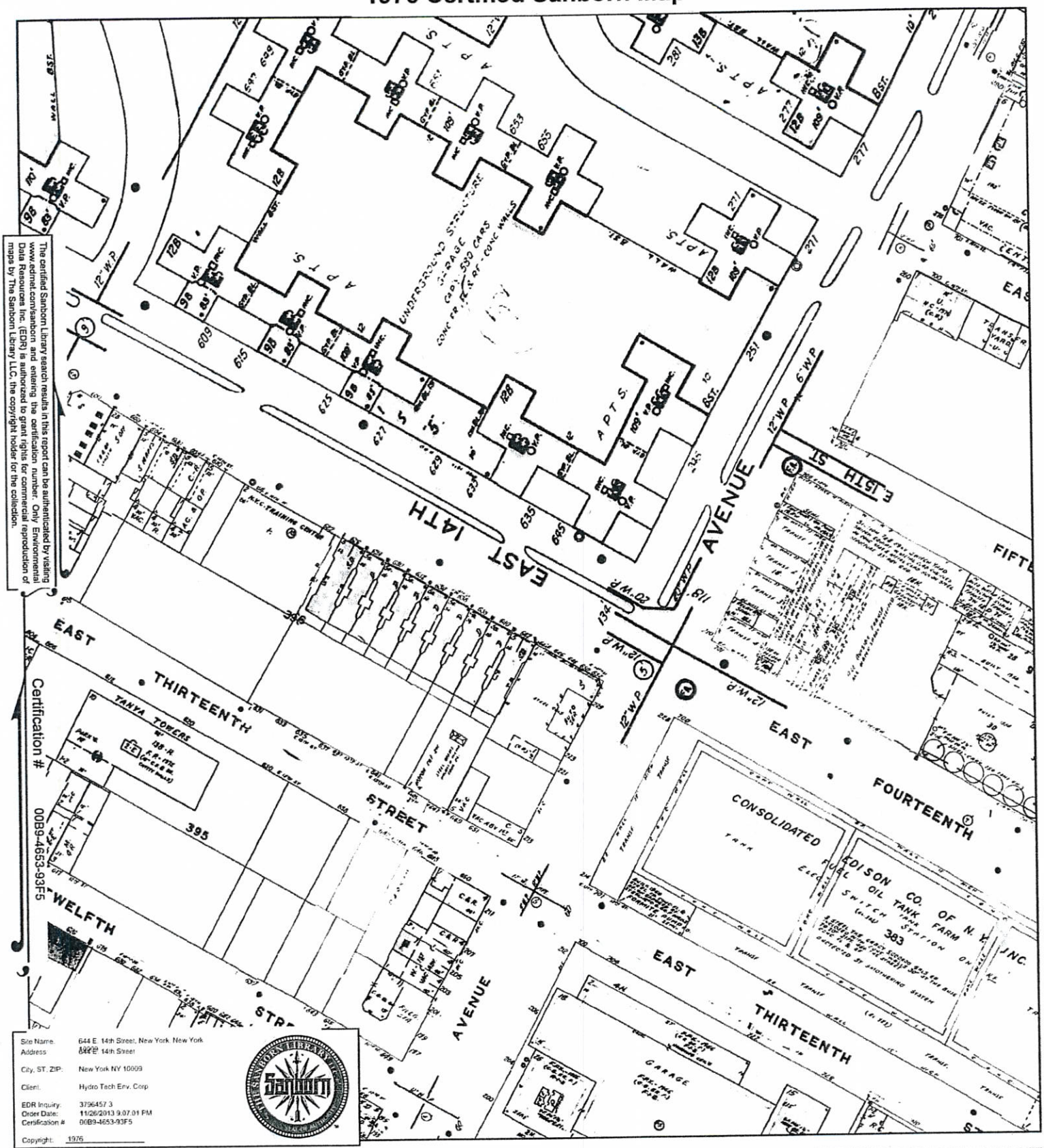

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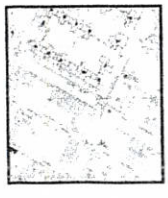
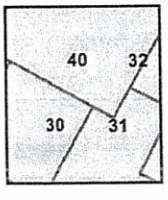


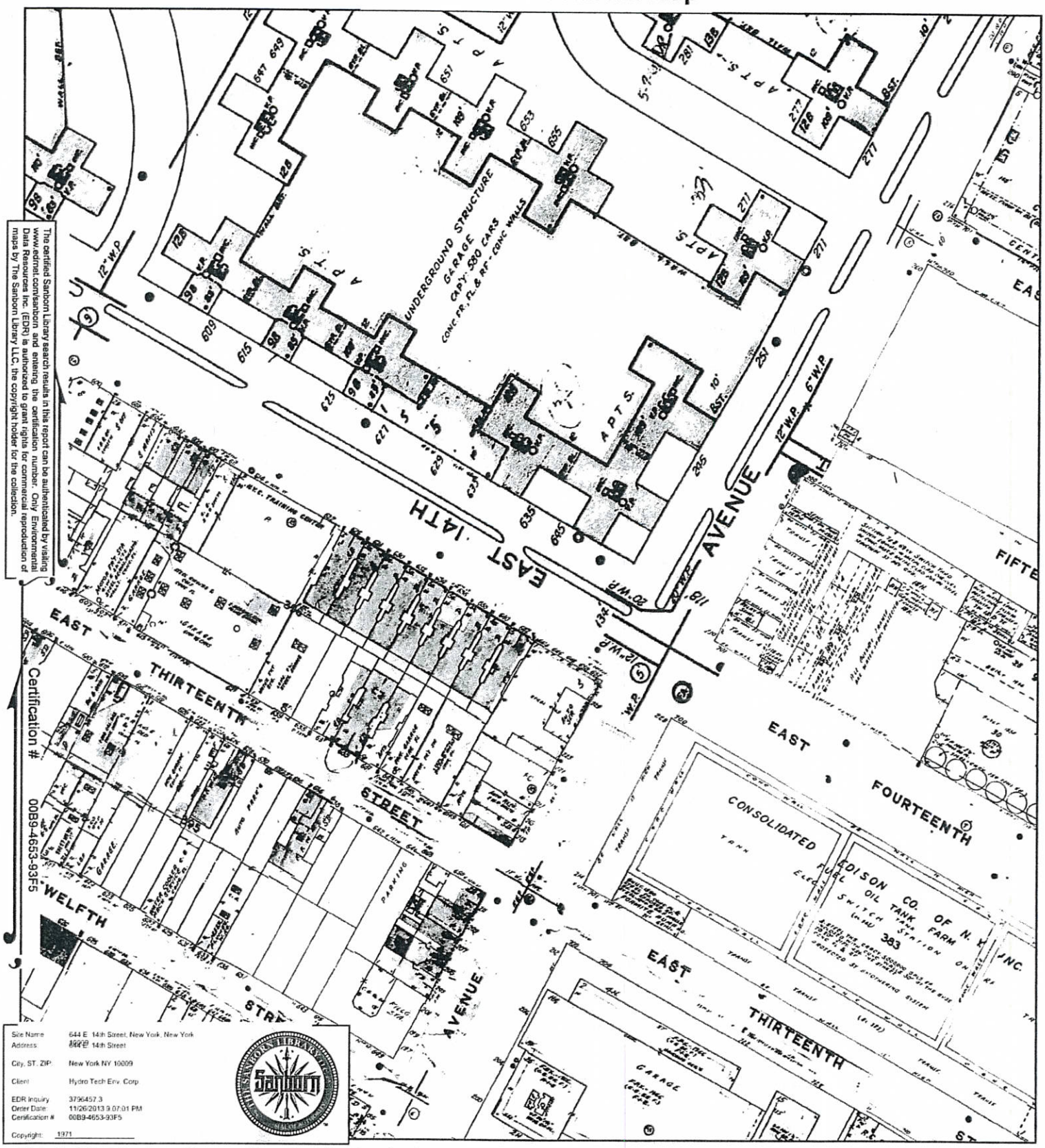


Volume 2, Sheet 30
Volume 2, Sheet 31
Volume 2, Sheet 32
Volume 2, Sheet 40

0 Feet 150 300 600

N

1971 Certified Sanborn Map



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Certification # 00B9-4653-93F5

Site Name:	644 E. 14th Street, New York, New York
Address:	644 E. 14th Street
City, ST, ZIP:	New York NY 10009
Client:	Hydro Tech Env. Corp.
EDR Inquiry:	3796457.3
Order Date:	11/26/2013 9:07:01 PM
Certification #:	00B9-4653-93F5
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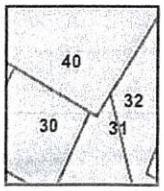

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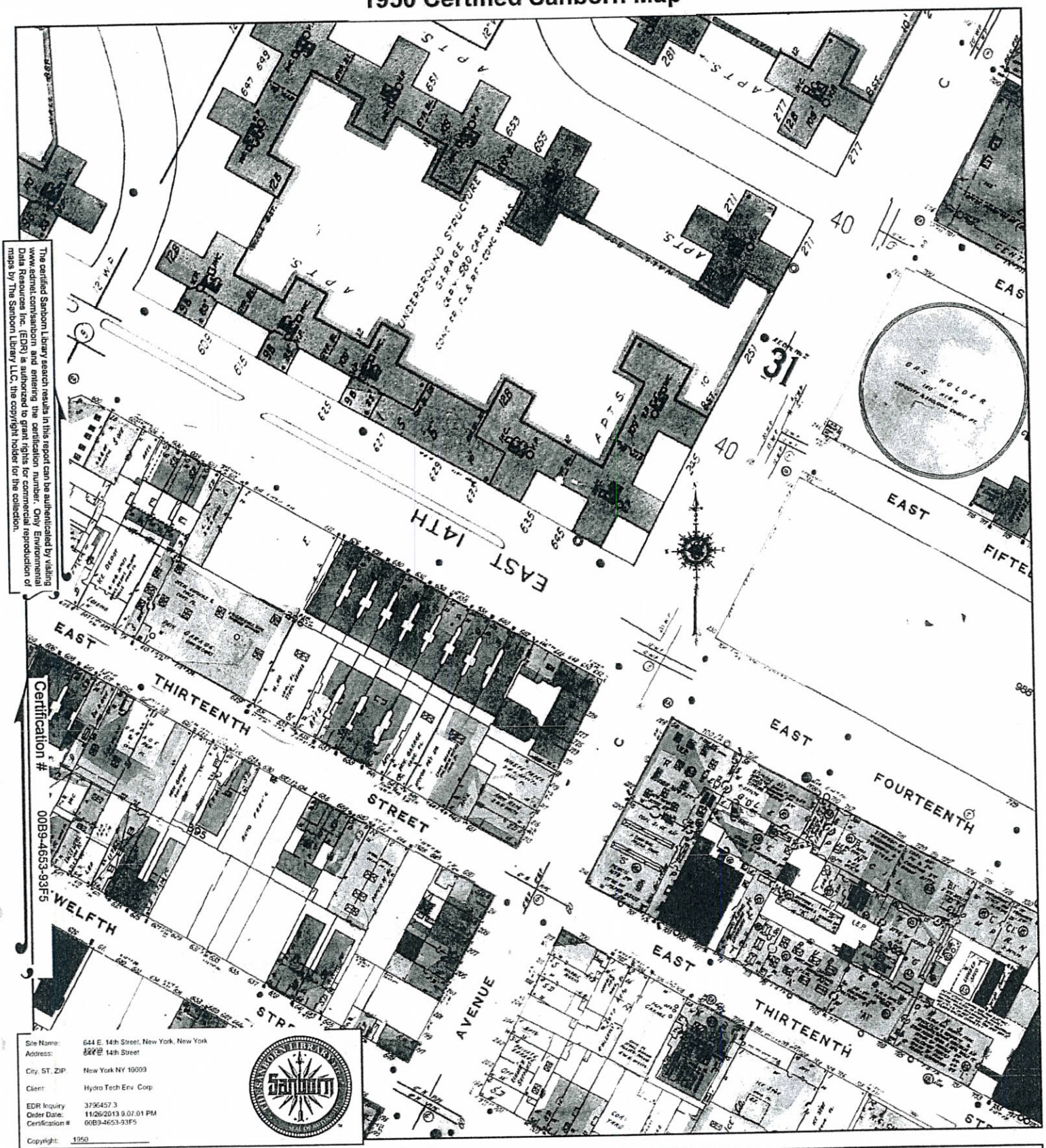
Volume 2, Sheet 31
Volume 2, Sheet 32
Volume 2, Sheet 40

0 Feet 150 300 600

N

1950 Certified Sanborn Map



Certification # 00B9-4653-93F5

Site Name:	644 E. 14th Street, New York, New York
Address:	644 E. 14th Street
City, ST, ZIP:	New York NY 10009
Client:	Hydro Tech Env. Corp
EDR Inquiry:	3796457.3
Order Date:	11/26/2013 9:07:01 PM
Certification #:	00B9-4653-93F5
Copyright:	1950

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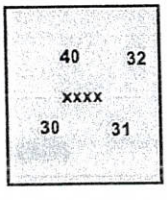

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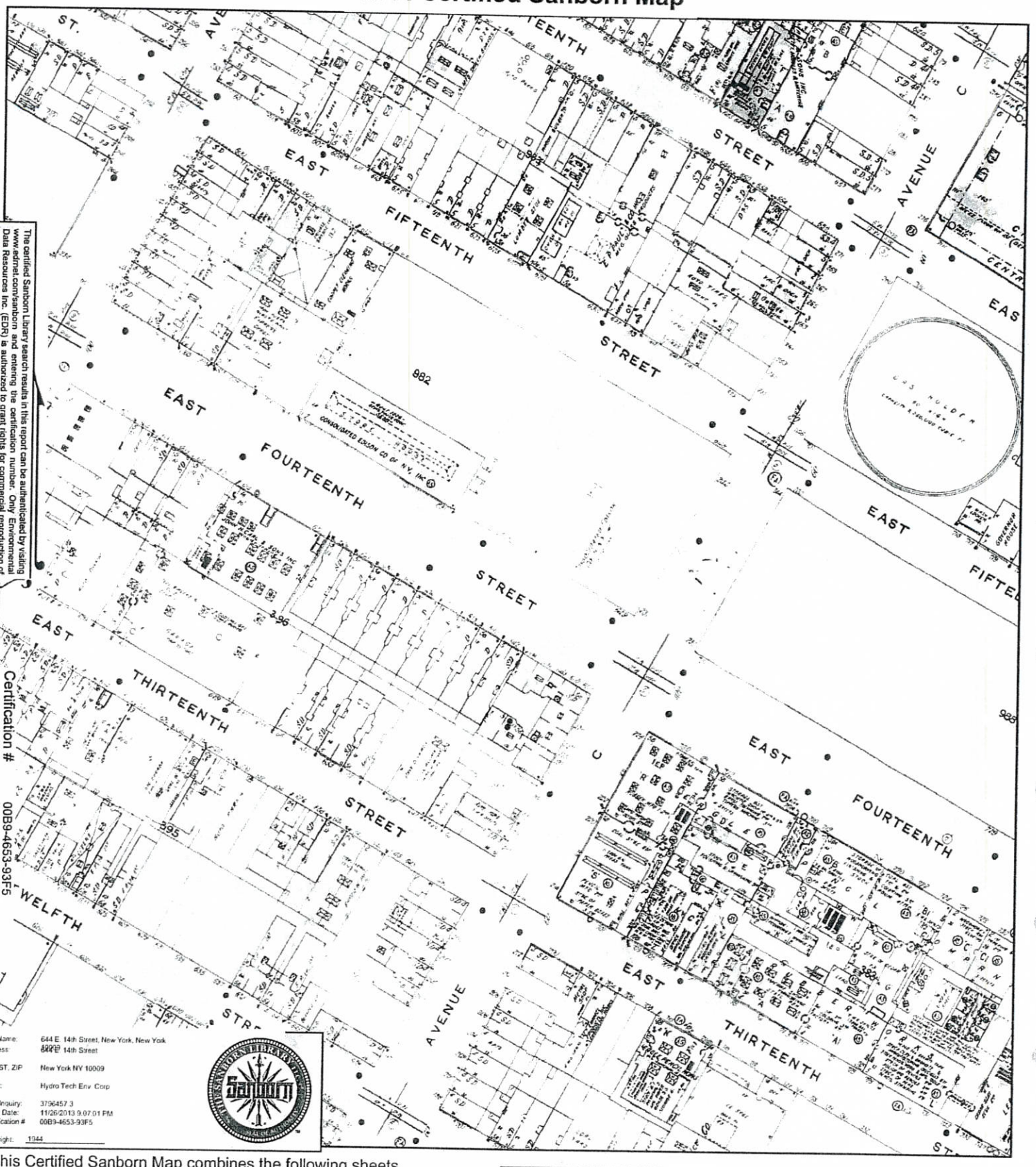
Volume 2, Sheet 30
Volume 2, Sheet 31
Volume 2, Sheet 32
Volume 2, Sheet 40

Volume 3, Sheet xxxx
Volume 1S, Sheet xxxx

N

1944 Certified Sanborn Map



Certification # 00B9-4653-93F5

Site Name:	644 E. 14th Street, New York, New York
Address:	644 E. 14th Street
City, ST, ZIP	New York NY 10009
Client:	Hydro Tech Env. Corp
EDR Inquiry:	3796457.3
Order Date:	11/26/2013 9:07:01 PM
Cerstification #	00B9-4653-93F5
Copyright:	1944

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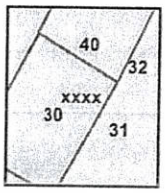

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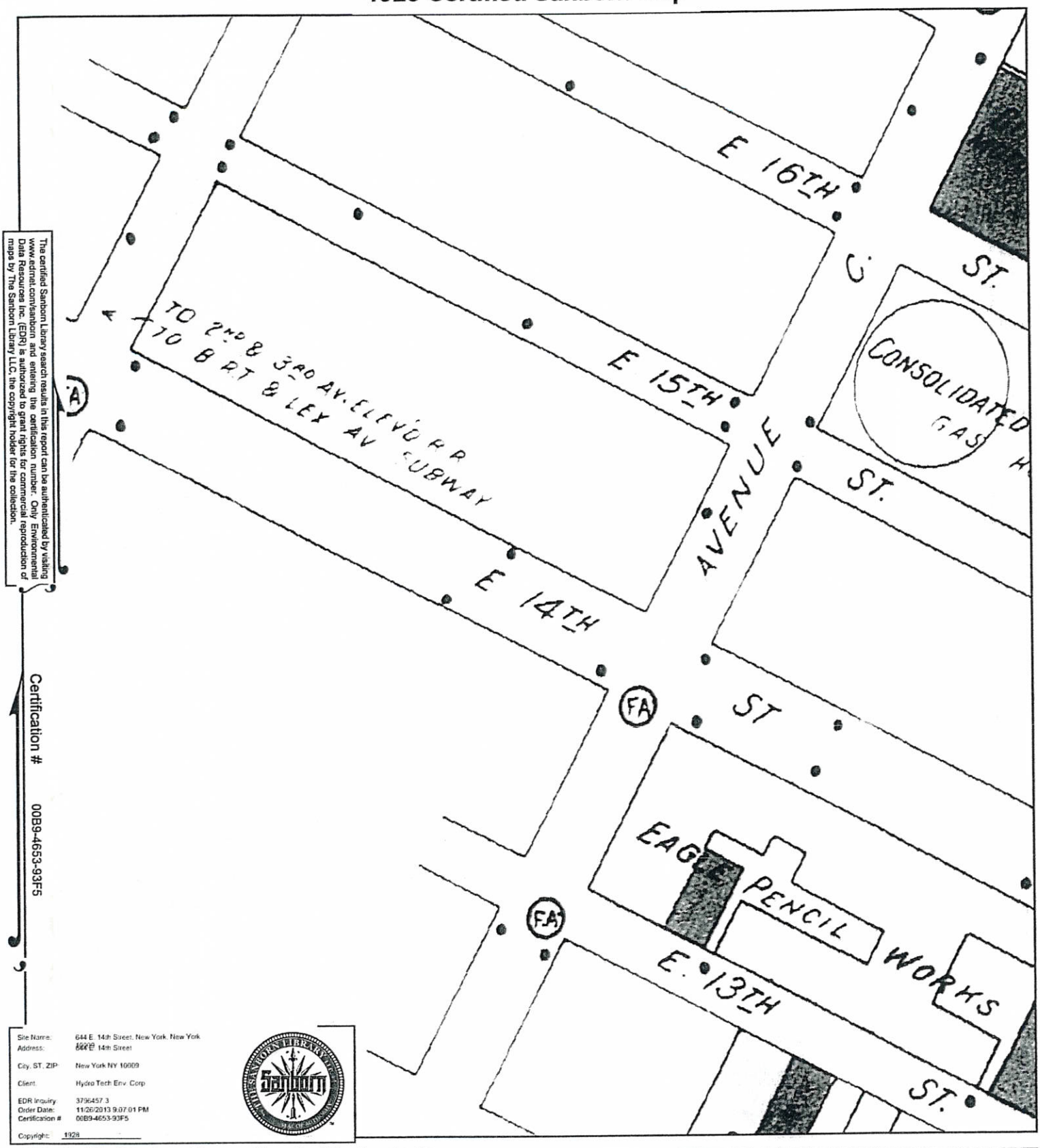
Volume 2, Sheet 31
Volume 2, Sheet 32
Volume 2, Sheet 40

0 Feet 150 300 600

N

1928 Certified Sanborn Map



Certification # 00B9-4653-93F5

Site Name:	644 E. 14th Street, New York, New York
Address:	~~644~~ E. 14th Street
City, ST, ZIP	New York NY 10009
Client	Hydro Tech Env. Corp
EDR Inquiry	3796457.3
Order Date:	11/26/2013 9:07:01 PM
Certification #	00B9-4653-93F5
Copyright:	1928

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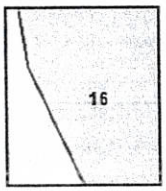
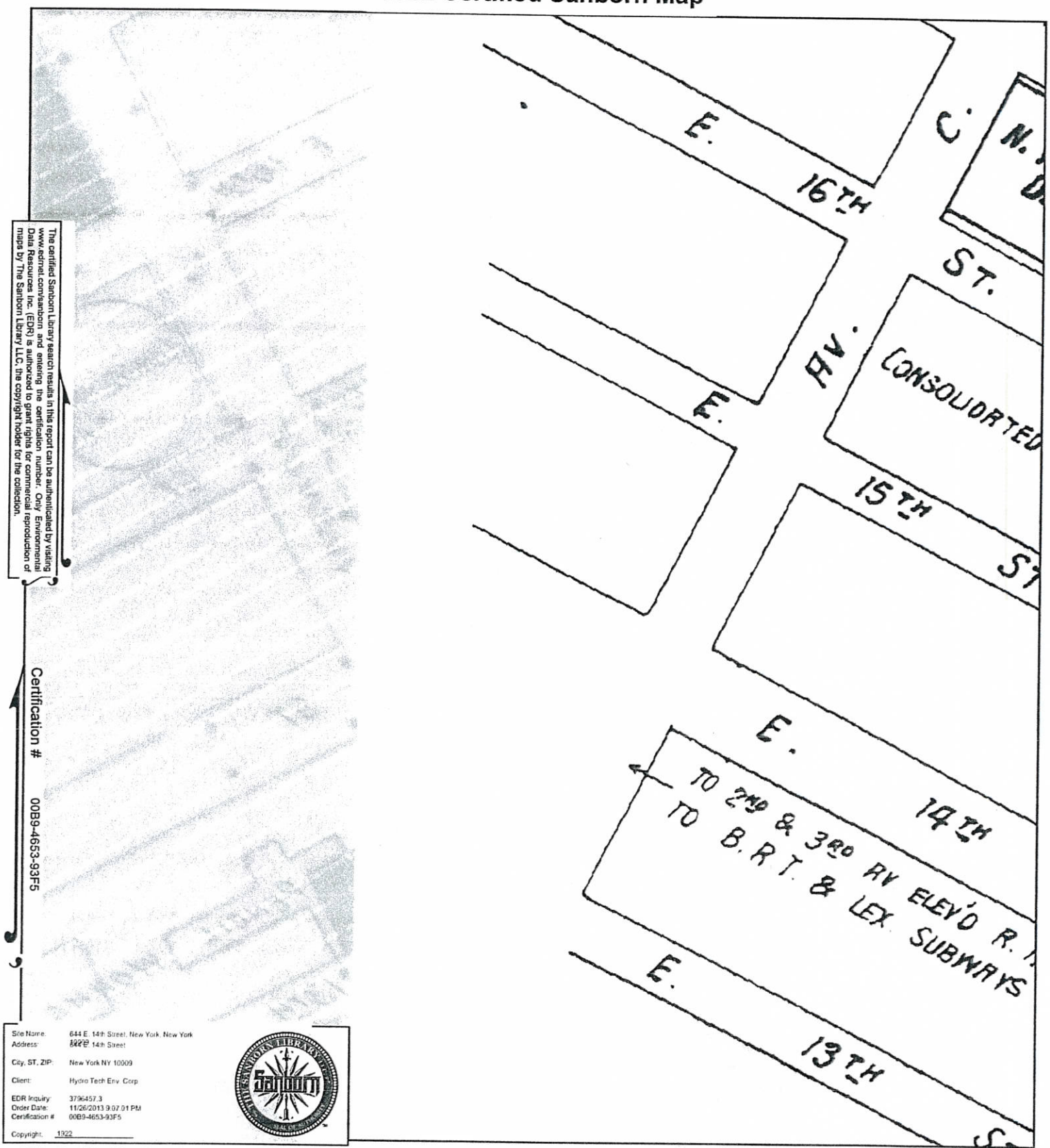


Volume Pier Maps, Sheet 16

N

1922 Certified Sanborn Map



Certification # 00B9-4653-93F5

Site Name: 644 E. 14th Street, New York, New York
Address: ~~622~~ 644 E. 14th Street
City, ST, ZIP: New York NY 10009
Client: Hydro Tech Env. Corp
EDR Inquiry: 3796457.3
Order Date: 11/26/2013 9:07:01 PM
Certification #: 00B9-4653-93F5
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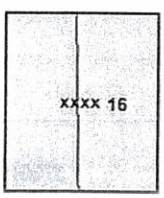
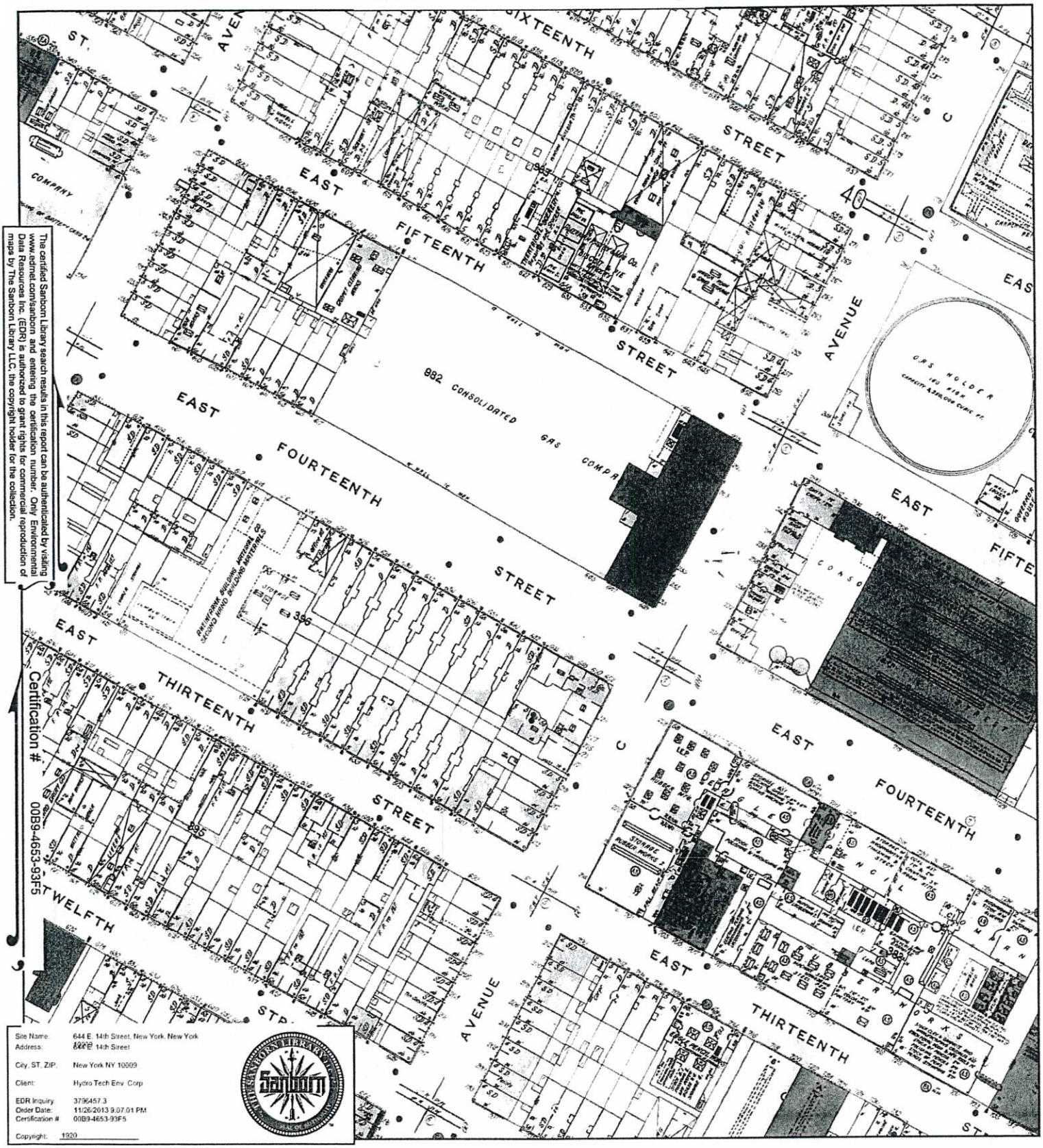


Volume 1N, Sheet xxxx
Volume Pier Maps, Sheet 16

0 Feet 150 300 600

N

1920 Certified Sanborn Map



Certification # 00B9-4653-93F5

Site Name: 644 E. 14th Street, New York, New York
Address: 644 E. 14th Street
City, ST, ZIP: New York NY 10009
Client: Hydro Tech Env. Corp
EDR Inquiry: 3796457.3
Order Date: 11/26/2013 9:07:01 PM
Certification #: 00B9-4653-93F5
Copyright: 1920

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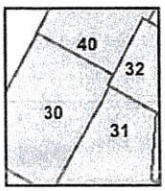

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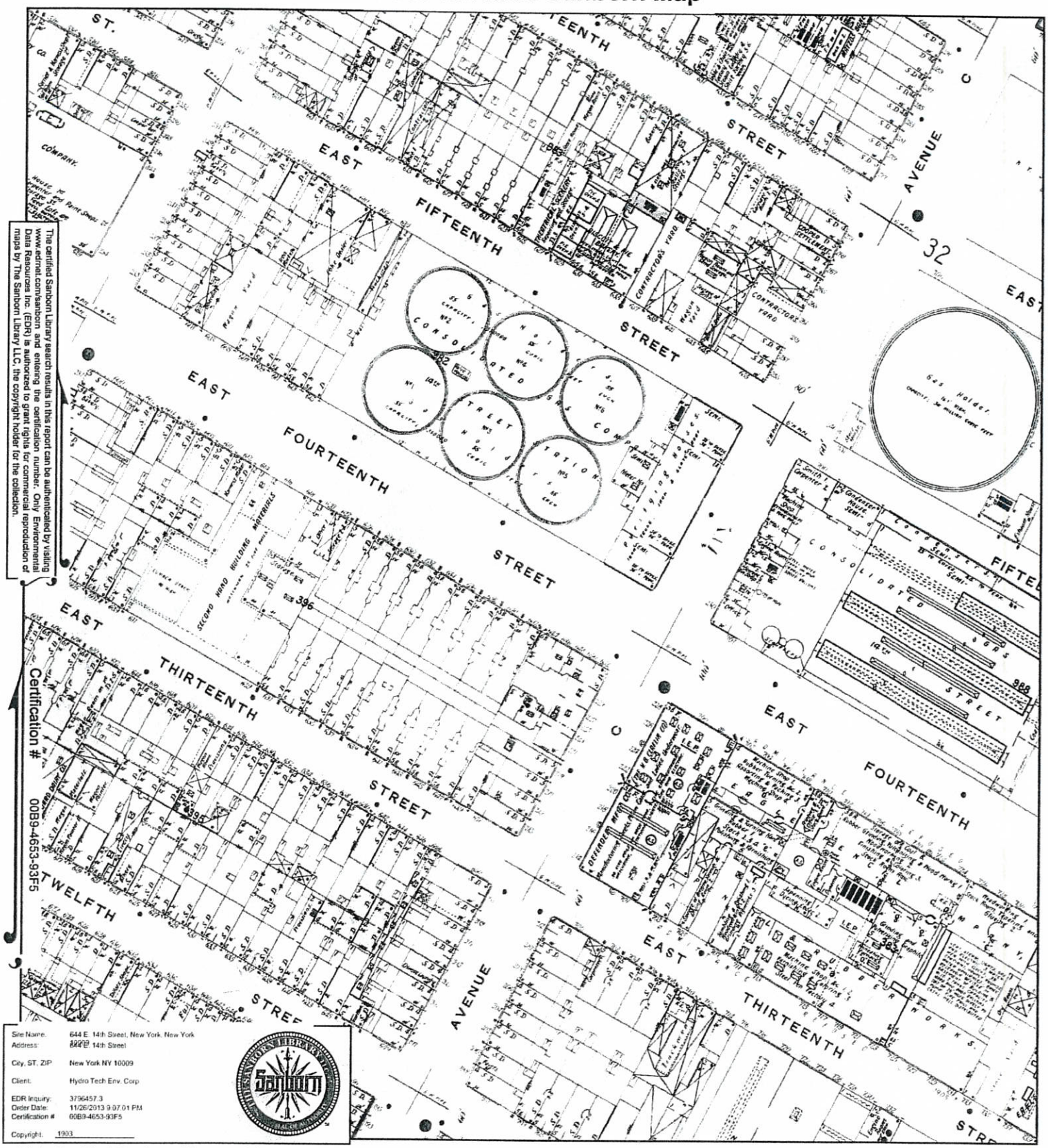
Volume 2, Sheet 32
Volume 2, Sheet 40

0 Feet 150 300 600

N

1903 Certified Sanborn Map



Certification # 00B9-4653-93F5

Site Name:	644 E. 14th Street, New York, New York
Address:	644 E. 14th Street
City, ST, ZIP	New York NY 10009
Client:	Hydro Tech Env. Corp
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Order Date:	11/26/2013 9:07:01 PM
Certification #	00B9-4653-93F5
Copyright:	1903

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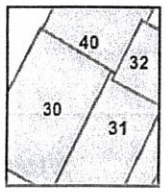

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Volume 2, Sheet 31
Volume 2, Sheet 32
Volume 2, Sheet 40

0 Feet 150 300 600

N

APPENDIX C

CITY DIRECTORY SEARCH

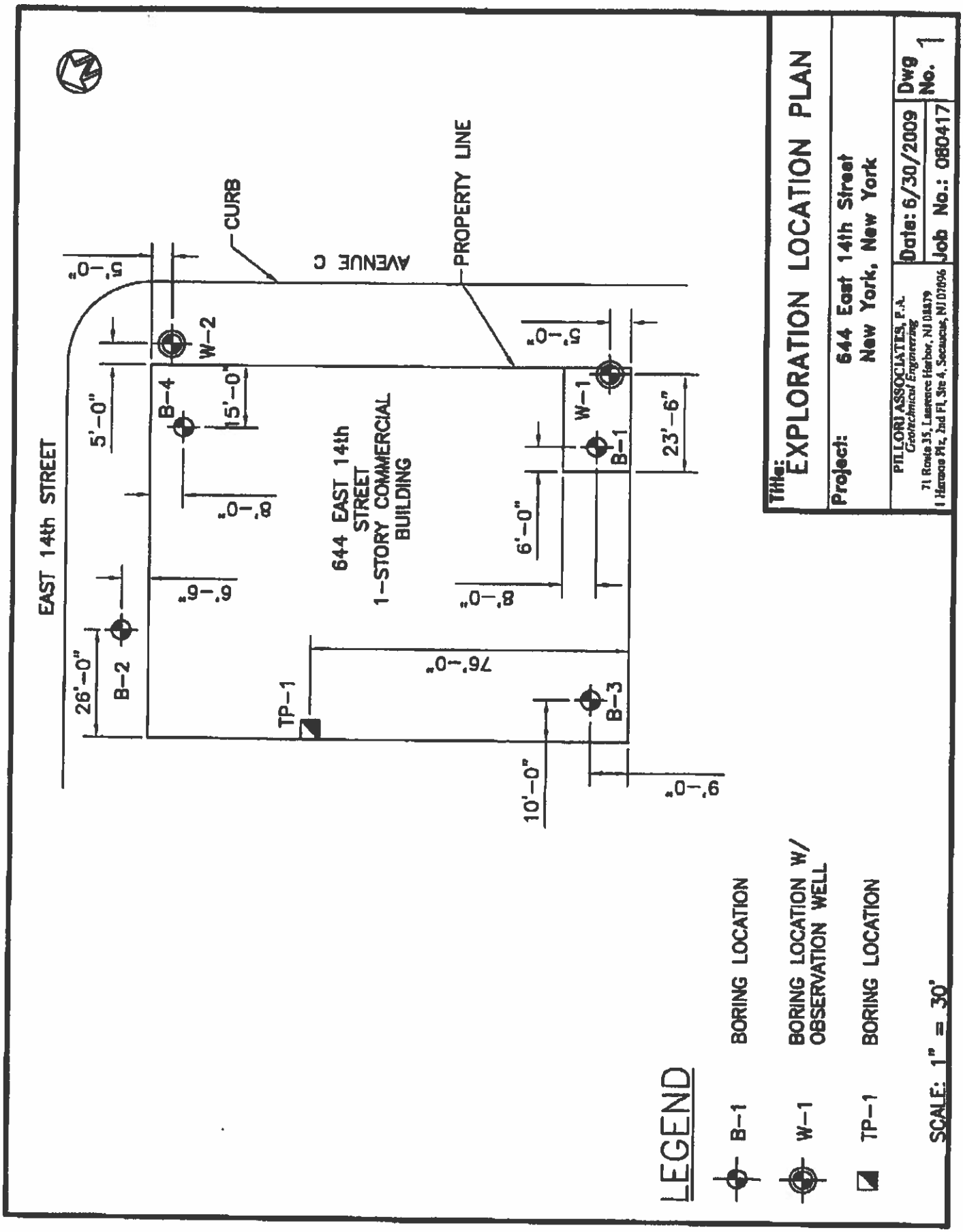
644 E. 14th Street, New York, New York 10009
644 E. 14th Street
New York, NY 10009

Inquiry Number: 3796457.5
November 26, 2013

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com


EAST 14th STREET
AVENUE C
CURB
PROPERTY LINE
644 EAST 14th STREET
1-STORY COMMERCIAL BUILDING
B-1
B-2
B-3
B-4
W-1
W-2
TP-1
5'-0"
15'-0"
8'-0"
6'-6"
26'-0"
6'-0"
23'-6"
76'-0"
10'-0"
9'-0"
LEGEND
B-1 BORING LOCATION
W-1 BORING LOCATION W/ OBSERVATION WELL
TP-1 BORING LOCATION
SCALE: 1" = 30'
Title: EXPLORATION LOCATION PLAN
Project: 644 East 14th Street New York, New York
PILLORI ASSOCIATES, P.A. Geotechnical Engineering
71 Route 35, Lawrence Harbor, NJ 08879
1 Harmon Plz, 2nd Fl, Ste 4, Secaucus, NJ 07096
Date: 6/30/2009
Job No.: 080417
Dwg No. 1

PROJECT: 449 EAST 14th ST
LOCATION: New York, NY
JOB No.: 080917
CONTRACTOR: CMI

PILLORI ASSOCIATES, P.A.
Geotechnical Engineering

BORING LOG

BORING No. B1 W
SHEET 1 OF 2

DATE START: 5/8/08
DATE FINISH: 6/9/08

CASING O.D. 4" I.D. ____
SAMPLER O.D. 2" I.D. ____

GROUND ELEVATION: 70
GROUND WATER ELEV.: 0.0

DEPTH	CASING BLOWS PER FOOT	SAMPLE No. DEPTHS	BLOWS PER 6" ON SAMPLER FROM - TO 0-6	6-12	12-18	18-24	DENSITY OR CONSIST. MOISTURE	PROFILE CHANGE DEPTH ELEV.	IDENTIFICATION OF SOILS REMARKS
		S1	100						FILL: BROWN C-F SAND, LITTLE SILT
		1-3	6"					FILL	TRACE FINE GRAVEL W/BRICK + CONCRETE FRAGMENTS
		S2	3	4				(11.6')	
		3-5			7	9			
5		S3	9	15	100/2"				
		5-7							
		S4	7	1				SM/ML	BROWN M-F SAND, AND SILT
		7-9			1	1		(2.5'/1.0')	
10		S5	4	8				SM	BROWN C-F SAND, LITTLE SILT
		10-12			7	13		(7.66)	
								OL/PT	TOP: GRAY ORGANIC SILT W/PEAT
15		S6	WOH	2				(1.16)	
		15-17			12	8		SM	BOTTOM: BROWN FINE SAND, SOME SILT
								(6.6')	LITTLE FINE GRAVEL
20		S7	11	8					BROWN FINE SAND, SOME SILT
		20-22			10	10			
25		S8	7	7				SM	GRAY BROWN SILT, LITTLE FINE SAND
		25-27			13	14		8.65	
30		S9	12	15					D.
		30-32			20	21			
									TILL:
35		S10	16	17					BROWN C-F SAND, TRACE TO LITTLE SILT,
		35-37			31	22			
								SP	
40		S11	100					(6.65)	D.
		40-42	6"						W/COARSE GRAVEL IN TIP
									COBBLES
45		S12	18	27					D. W/MEDIUM TO FINE GRAVEL IN TIP
		45-47			25	42			
									COBBLES THROUGH BOULDER
50									

Engineer: [illegible] Driller: [illegible] Helper: ____

Proportions used: trace = 1 - 10 %, little = 10-20%, some = 20-35%, and = 35-50%

PROJECT: 649 East 14th St.
LOCATION: New York, NY
JOB No.: 080417
CONTRACTOR: CM1

GREGORY PILLORI, P.E., P.A.
Geotechnical Engineering

BORING LOG

BORING No. B1W
SHEET 2 OF 2

DATE START: 5/8/08
DATE FINISH: 5/9/08

CASING O.D. 4 I.D. ____
SAMPLER O.D. 2" I.D. ____

GROUND ELEVATION: 70
GROUNDWATER ELEV.: 0.0

DEPTH	CASING BLOWS PER FOOT	SAMPLE No. / DEPTHS	BLOWS PER 6" OF SAMPLER FROM - TO (0-6) (6-12) (12-18) (18-24)	STRATA OR CONSIST. MOISTURE	STRATA CHANGE DEPTH ELEV.	IDENTIFICATION OF SOILS / REMARKS
		S13	25 20	GP		GRAY C-F SAND, TRACE TO LITTLE SILT
		51.53	31 99	GP		SOME C-F GRAVEL W/ BOULDERS + COBBLES
55				(6.5)		
			19 100/3"			
60			59 68 92			
			39			
65			51 67			
			70 81	DR		DECOMPOSED ROCK:
				(0.5)		(M-F SAND LITTLE SILT)
70						RUN: 68.5' - 73.5'
						REC: 100%
						RQD: 88%
75						HARD, UNWEATHERED, SLIGHTLY JOINTED SCHIST BEDROCK
80						
85						
90						
95						
100						

Engineer: JSK
Driller: Vinny
Helper: ____

Proportions used: trace = 1-10%, little = 10-20%, some = 20-35%, and = 35-50%

Project: **644 East 14th Street**
New York, New York
Date: 05/08/2008 to 05/09/2008
Contractor: CMI Subsurface Investigations

Boring No.: B-1
Sheet: 1 of 2
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
	S-1	100/6"	F	5" of Concrete	
	S-2	3-4-7-9	F	FILL : Brown coarse to fine Sand, little Silt, trace fine Gravel with Brick and Concrete fragments	FILL (11-65)
5	S-3	9-15-100/2"	F		
	S-4	7-1-1-1	F		
10	S-5	9-8-9-13	F		13'0"
			MTM	Gray organic Sand, and Peat	OL/Pt (11-65)
15	S-6	WOH-2-12-8			16'0"
				Brown fine Sand, some Silt, little fine Gravel	SM (7-65) 18'0"
20	S-7	11-8-10-10	GA	Brown fine Sand, some Silt	SM (8-65) 23'0"
25	S-8	7-7-13-14	GA	Gray brown Silt, little fine Sand	ML (10-65)
30	S-9	12-15-20-21	GA		33'0"
35	S-10	16-19-31-22	GT	Brown coarse to fine Sand, trace to little Silt	SP-SM (7-65) 38'0"
40	S-11	100/6"	GT	Cored through boulders from 41' to 44'	SP-SM (6-65)
45	S-12	18-27-25-42	GT	Gray coarse to fine Sand, trace to little Silt, some coarse to fine Gravel w/boulders and cobbles	
50	S-13	25-20-31-44	GT		

Project: **644 East 14th Street**
New York, New York
Date: 05/08/2008 to 05/09/2008
Contractor: CMI Subsurface Investigations

Boring No.: B-1
Sheet: 2 of 2
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
	S-13	25-20-31-44	GT	Gray coarse to fine Sand, trace to little Silt, some coarse to fine Gravel w/boulders and cobbles	SP-SM (6-65)
55	S-14	14-100/3"			
60	S-15	54-68-42-38			64'0"
65	S-16	51-67-70-81	DR	Decomposed Rock	(4-65) 68'6"
70	R-1	RUN = 60" 68.5'-73.5' REC=100% RQD=88%	R	MICA SCHIST BEDROCK: Hard, unweathered, medium to closely jointed	(1-65) 73'6"
75				End of Boring	
80					
85					
90					
95					
100					

Project: **644 East 14th Street**
New York, New York
Date: 11/10/2008 to 11/11/2008
Contractor: Warren George Inc

Boring No.: B-2
Sheet: 1 of 1
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
				6" of Concrete	
	S-1	18-12-15-10	F	FILL : Bleak brown coarse to fine Sand, little Silt, trace fine Gravel with Brick fragments	FILL (11-65)
5	S-2	10-5-2-2			
10	S-3	4-1-2-3			13'0"
15	S-4	WOR-4-2	MTM	Gray organic Silt, and Peat	OL/Pt (11-65) 18'0"
20	S-5	12-9-12-11	GA	Grey brown Clayey Silt, some fine Sand SM (7-65)	SM (8-65) 23'0"
25	S-6	8-7-8-9		Brown grey Clayey Silt	ML (10-65) 28'0"
30	S-7	17-13-29-24		Grey coarse to fine Sand, trace Silt, and brown Silt	SP-SM (7-65) 33'0"
35	S-8	100/4"	GT	Grey coarse to fine Sand, little Silt, some medium to fine Gravel, trace Clay	SP-SM (7-65) 35'6"
	R-1	RUN = 60" 35.5'-40.5' REC=100% RQD=92%	R	MICA SCHIST BEDROCK: Hard, slightly to moderately weathered, medium to closely jointed	(2-65)
40	R-1	RUN = 60" 40.5'-45.5' REC=87% RQD=77%			
45					45'6"
				End of Boring	
50				**PRELIMINARY**	

Project: **644 East 14th Street**
New York, New York
Date: 6/16/2009 to 6/18/2009
Contractor: Warren George, Inc.

Boring No.: B-3
Sheet: 1 of 2
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
				6" Concrete Slab	
	S-1	38-10-5-2	F	FILL : Gray brown coarse to fine Sand, little Silt, little medium to fine Gravel with Brick & Asphalt fragments	FILL (11-65)
5	S-2	8-4-3-5			9'0"
10	S-3	1-2-1-1	MTM	Black organic Silt, and Peat	OL (11-65)
15	S-4	2-3-3-4			18'0"
20	S-5	19-22-12-9	GA	Brown coarse to fine Sand, little Silt, trace fine Gravel	SM (7-65)
					23'0"
25	S-6	8-11-14-19		Brown fine Sand, some Silt	SM (8-65)
30	S-7	11-14-17-15			33'0"
35	S-8	12-14-19-21		Brown coarse to fine Sand, trace to little Silt	SP-SM (7-65)
40	S-9	19-26-29-30			44'0"
45	S-10	19-46-29-38	GT	Brown coarse to fine Sand, little Silt with boulders	SM (6-65)
					49'0"
50	R-1	RUN = 60" 49'-54'	R	MICA SCHIST BEDROCK: Hard, slightly weathered, closely jointed	(1-65)

Project: **644 East 14th Street**
New York, New York
Date: 6/16/2009 to 6/18/2009
Contractor: Warren George, Inc.

Boring No.: B-3
Sheet: 2 of 2
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth / Elevation
	R-1	RUN = 60" 49'-54' REC=88% RQD=88%	R	MICA SCHIST BEDROCK: Hard, slightly weathered, closely jointed	(1-65) 54'0"
55				End of Boring	
60					
65					
70					
75					
80					
85					
90					
95					
100					

Project: **644 East 14th Street**
New York, New York
Date: 6/18/2009 to 6/22/2009
Contractor: Warren George, Inc.

Boring No.: B-4
Sheet: 1 of 2
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
	S-1	7-3-5-7	F	6" Concrete Slab FILL : Gray brown coarse to fine Sand, little Silt, little medium to fine Gravel with Brick, Tile, Concrete & Asphalt fragments	FILL (11-65) 8'0"
5	S-2	100/3"			
10	S-3	4-5-2-3	MTM	Black organic Silt, and Peat	OL (11-65) 18'0"
15	S-4	WOR-3			
20	S-5	9-12-13-10	GA	Reddish brown fine Sand with alternating layers of Gray Silt	SM (8-65) 33'0"
25	S-6	11-17-19-19			
30	S-7	5-6-8-12			
35	S-8	22-22-16-24	GT	Gray medium to fine Sand, little Silt, some medium to fine Gravel	SP-SM (6-65) 38'0"
40	S-9	7-14-25-100/5"		Gray coarse to fine Sand, little Silt with boulders Cored through boulders from 43'-48'	SP-SM (6-65) 49'0"
45					
50	S-10	17-23-30-28		Gray coarse to fine Sand, litte Silt	SP (7-65)

Project: **644 East 14th Street**
New York, New York
Date: 6/18/2009 to 6/22/2009
Contractor: Warren George, Inc.

Boring No.: B-4
Sheet: 2 of 2
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
	S-10	17-23-30-28	GT	Gray coarse to fine Sand, little Silt	SP (7-65)
			DR	Decomposed Rock	53'0" (4-65)
55	R-1	RUN = 60" 55'-60' REC=100% RQD=100%	R	MICA SCHIST BEDROCK: Hard, unweathered, thickly jointed	55'0" (1-65)
60				End of Boring	60'0"
65					
70					
75					
80					
85					
90					
95					
100					

APPENDIX B
BORING LOGS

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B1

Location: Performed in northern most former service bay.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: TRG1404	Address: 644 East 14th Street, Manhattan, New York	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	NA	Well Specifications
Date Started: 3/13/2014	Date Completed: 3/13/2014		None
Completion Depth: 6 feet	Geologist Kevin Brussee		

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 4	22		0.0	22" - Fill Material
	4 to 6	12			3" - Fill Material 6" - Brown/Grey sandy clay
					Refusal at 6ft

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B2

Location: Performed in the former center service bay.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: TRG1404	Address: 644 East 14th Street, Manhattan, New York		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		NA	Well Specifications
Date Started: 3/13/2014	Date Completed: 3/13/2014			None
Completion Depth: 2 feet	Geologist Kevin Brussee			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 2	0		0.0	No recovery, refusal at 2ft

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B3

Location: Performed in front of the northern most former service bay.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: TRG1404	Address: 644 East 14th Street, Manhattan, New York		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		NA	Well Specifications
Date Started: 3/13/2014	Date Completed: 3/13/2014			None
Completion Depth: 1 feet	Geologist Kevin Brussee			

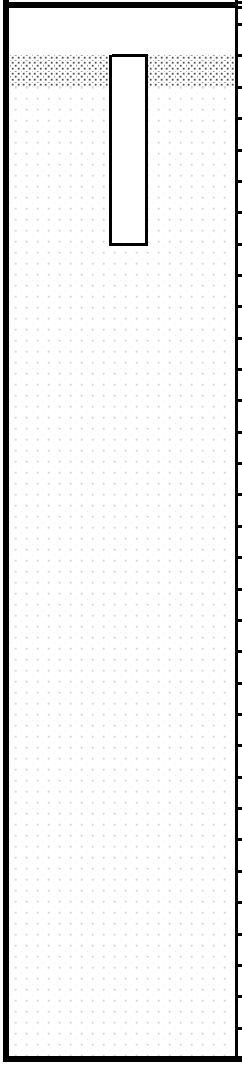
B3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	1	6		0.0	6" - Fill Material
					** Retained B3 @ 1'*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B4

Location: Performed in the front of the southern most former service bay.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: TRG1404	Address: 644 East 14th Street, Manhattan, New York		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		NA	Well Specifications
Date Started: 3/13/2014	Date Completed: 3/13/2014			None
Completion Depth: 6 feet	Geologist Kevin Brussee			

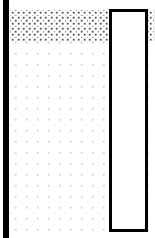
B4 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 4	6		0.0	6" - Fill Material
	4 to 6	12			12" - Fill Material * *Retained B4 @6'*
					Refusal at 6ft

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B5

Location: Performed in former repair area building in rear.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: TRG1404	Address: 644 East 14th Street, Manhattan, New York	Date / DTW	Ground Elevation
		Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	NA	Well Specifications
Date Started: 3/13/2014	Date Completed: 3/13/2014		None
Completion Depth: 7 feet	Geologist Kevin Brussee		

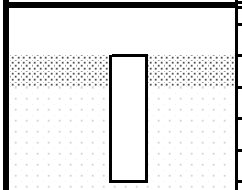
B5 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	SAMPLES Blow per 6 in.	SAMPLES PID (ppm)	SOIL DESCRIPTION
	0 to 4	12		0.0	8" - Fill Material 4" - Fine brown sand
	4 to 7	12			12" - Damp brown sandy silt * *Retained B5 @7'* Refusal at 7ft

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B6

Location: Performed in small open yard in rear.			Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: TRG1404	Address: 644 East 14th Street, Manhattan, New York		Date / DTW	Ground Elevation
			Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe		NA	Well Specifications
Date Started: 3/13/2014	Date Completed: 3/13/2014			None
Completion Depth: 7 feet	Geologist Kevin Brussee			

B6 (NTS)	DEPTH (ft below grade)	SAMPLES Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 4	12		0.0	20" - Fill Material Refusal at 4ft * *Retained B6 @ 4'*

APPENDIX C
LABORATORY REPORT

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

Thursday, March 20, 2014

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 644 EAST 14TH ST MANHATTAN NY
Sample ID#s: BG19213 - BG19218

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

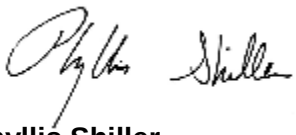
This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

March 20, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/13/14	0:00
Location Code:	EBC	Received by:	LDA	03/14/14	16:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG19213
Phoenix ID: BG19213

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: CORNER MW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	03/14/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	03/14/14	JLI	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
2-Hexanone	ND	5.0	ug/L	03/14/14	JLI	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	03/14/14	JLI	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	03/14/14	JLI	SW8260	

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: CORNER MW

Phoenix I.D.: BG19213

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	25	ug/L	03/14/14	JLI	SW8260	
Acrylonitrile	ND	5.0	ug/L	03/14/14	JLI	SW8260	
Benzene	ND	0.70	ug/L	03/14/14	JLI	SW8260	
Bromobenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Bromochloromethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Bromodichloromethane	ND	0.50	ug/L	03/14/14	JLI	SW8260	
Bromoform	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Bromomethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Carbon Disulfide	ND	5.0	ug/L	03/14/14	JLI	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Chlorobenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Chloroethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Chloroform	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Chloromethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	0.40	ug/L	03/14/14	JLI	SW8260	
Dibromochloromethane	ND	0.50	ug/L	03/14/14	JLI	SW8260	
Dibromomethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Ethylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	03/14/14	JLI	SW8260	
Isopropylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
m&p-Xylene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	03/14/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Methylene chloride	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Naphthalene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
n-Butylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
n-Propylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
o-Xylene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Styrene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Tetrachloroethene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	03/14/14	JLI	SW8260	1
Toluene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Total Xylenes	ND	2.0	ug/L	03/14/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	0.40	ug/L	03/14/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	03/14/14	JLI	SW8260	
Trichloroethene	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	03/14/14	JLI	SW8260	
Vinyl chloride	ND	1.0	ug/L	03/14/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	03/14/14	JLI	70 - 130 %	
% Bromofluorobenzene	102		%	03/14/14	JLI	70 - 130 %	
% Dibromofluoromethane	108		%	03/14/14	JLI	70 - 130 %	

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: CORNER MW

Phoenix I.D.: BG19213

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	98		%	03/14/14	JLI	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 20, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		03/13/14	0:00
Location Code:	EBC	Received by:	LDA	03/14/14	16:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG19213
Phoenix ID: BG19214

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: EMPTY LOT MW

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	03/15/14	JLI	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	03/15/14	JLI	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
2-Hexanone	ND	5.0	ug/L	03/15/14	JLI	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	03/15/14	JLI	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	03/15/14	JLI	SW8260	

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: EMPTY LOT MW

Phoenix I.D.: BG19214

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	25	ug/L	03/15/14	JLI	SW8260	
Acrylonitrile	ND	5.0	ug/L	03/15/14	JLI	SW8260	
Benzene	ND	0.70	ug/L	03/15/14	JLI	SW8260	
Bromobenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Bromochloromethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Bromodichloromethane	ND	0.50	ug/L	03/15/14	JLI	SW8260	
Bromoform	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Bromomethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Carbon Disulfide	ND	5.0	ug/L	03/15/14	JLI	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Chlorobenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Chloroethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Chloroform	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Chloromethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	0.40	ug/L	03/15/14	JLI	SW8260	
Dibromochloromethane	ND	0.50	ug/L	03/15/14	JLI	SW8260	
Dibromomethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Ethylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	03/15/14	JLI	SW8260	
Isopropylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
m&p-Xylene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	03/15/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Methylene chloride	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Naphthalene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
n-Butylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
n-Propylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
o-Xylene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Styrene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Tetrachloroethene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	03/15/14	JLI	SW8260	1
Toluene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Total Xylenes	ND	2.0	ug/L	03/15/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	0.40	ug/L	03/15/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	03/15/14	JLI	SW8260	
Trichloroethene	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	03/15/14	JLI	SW8260	
Vinyl chloride	ND	1.0	ug/L	03/15/14	JLI	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	03/15/14	JLI	70 - 130 %	
% Bromofluorobenzene	103		%	03/15/14	JLI	70 - 130 %	
% Dibromofluoromethane	112		%	03/15/14	JLI	70 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	97		%	03/15/14	JLI	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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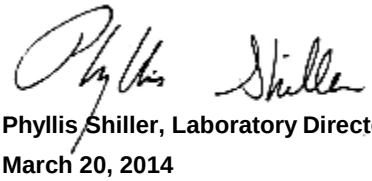

Phyllis Shiller, Laboratory Director
March 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

March 20, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/14	0:00
Location Code:	EBC	Received by:	LDA	03/14/14	16:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG19213
Phoenix ID: BG19215

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B3@1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	03/14/14	I	E160.3
Soil Extraction for SVOA	Completed			03/14/14	BJ/FV	SW3545
Field Extraction	Completed			03/13/14		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	03/18/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,1-Dichloroethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,1-Dichloroethene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,1-Dichloropropene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2-Dibromoethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2-Dichloroethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,2-Dichloropropane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,3-Dichloropropane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
2,2-Dichloropropane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
2-Chlorotoluene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260
2-Hexanone	ND	30	ug/Kg	03/18/14	JLI	SW8260

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B3@1

Phoenix I.D.: BG19215

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
2-Isopropyltoluene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	03/18/14	JLI	SW8260	
Acetone	ND	36	ug/Kg	03/18/14	JLI	SW8260	
Acrylonitrile	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Benzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Bromobenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Bromochloromethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Bromodichloromethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Bromoform	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Bromomethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Carbon Disulfide	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Carbon tetrachloride	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Chlorobenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Chloroethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Chloroform	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Chloromethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Dibromochloromethane	ND	3.6	ug/Kg	03/18/14	JLI	SW8260	
Dibromomethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Ethylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Isopropylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
m&p-Xylene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	36	ug/Kg	03/18/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	03/18/14	JLI	SW8260	
Methylene chloride	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Naphthalene	430	300	ug/Kg	03/15/14	JLI	SW8260	
n-Butylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
n-Propylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
o-Xylene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
sec-Butylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Styrene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
tert-Butylbenzene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Tetrachloroethene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	03/18/14	JLI	SW8260	1
Toluene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Total Xylenes	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	03/18/14	JLI	SW8260	
Trichloroethene	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	
Vinyl chloride	ND	5.9	ug/Kg	03/18/14	JLI	SW8260	

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4	99		%	03/18/14	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	03/15/14	JLI	70 - 130 %	
% Dibromofluoromethane	91		%	03/18/14	JLI	70 - 130 %	
% Toluene-d8	102		%	03/18/14	JLI	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	390	ug/Kg	03/15/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dimethylphenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrophenol	ND	620	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2-Methylnaphthalene	390	270	ug/Kg	03/15/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	03/15/14	DD	SW 8270	
2-Nitroaniline	ND	620	ug/Kg	03/15/14	DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	03/15/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	03/15/14	DD	SW 8270	
3-Nitroaniline	ND	620	ug/Kg	03/15/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	390	ug/Kg	03/15/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	03/15/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	03/15/14	DD	SW 8270	
4-Nitroaniline	ND	620	ug/Kg	03/15/14	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthene	1000	270	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Acetophenone	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Aniline	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
Anthracene	1800	270	ug/Kg	03/15/14	DD	SW 8270	
Benz(a)anthracene	2300	270	ug/Kg	03/15/14	DD	SW 8270	
Benzidine	ND	460	ug/Kg	03/15/14	DD	SW 8270	
Benzo(a)pyrene	2100	270	ug/Kg	03/15/14	DD	SW 8270	
Benzo(b)fluoranthene	2600	270	ug/Kg	03/15/14	DD	SW 8270	
Benzo(ghi)perylene	750	270	ug/Kg	03/15/14	DD	SW 8270	
Benzo(k)fluoranthene	1000	270	ug/Kg	03/15/14	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	03/15/14	DD	SW 8270	1
Benzyl butyl phthalate	13000	270	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	03/15/14	DD	SW 8270	

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B3@1

Phoenix I.D.: BG19215

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	03/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	2300	270	ug/Kg	03/15/14	DD	SW 8270	
Carbazole	1300	580	ug/Kg	03/15/14	DD	SW 8270	
Chrysene	2000	270	ug/Kg	03/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Dibenzofuran	820	270	ug/Kg	03/15/14	DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Fluoranthene	6500	270	ug/Kg	03/15/14	DD	SW 8270	
Fluorene	1100	270	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Hexachloroethane	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	750	270	ug/Kg	03/15/14	DD	SW 8270	
Isophorone	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Naphthalene	900	270	ug/Kg	03/15/14	DD	SW 8270	
Nitrobenzene	ND	270	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	390	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	390	ug/Kg	03/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	390	ug/Kg	03/15/14	DD	SW 8270	
Pentachlorophenol	ND	390	ug/Kg	03/15/14	DD	SW 8270	
Phenanthrene	9900	270	ug/Kg	03/15/14	DD	SW 8270	
Phenol	ND	270	ug/Kg	03/15/14	DD	SW 8270	
Pyrene	5800	270	ug/Kg	03/15/14	DD	SW 8270	
Pyridine	ND	390	ug/Kg	03/15/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	53		%	03/15/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	54		%	03/15/14	DD	30 - 130 %	
% 2-Fluorophenol	50		%	03/15/14	DD	30 - 130 %	
% Nitrobenzene-d5	54		%	03/15/14	DD	30 - 130 %	
% Phenol-d5	53		%	03/15/14	DD	30 - 130 %	
% Terphenyl-d14	61		%	03/15/14	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
March 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 20, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/14	0:00
Location Code:	EBC	Received by:	LDA	03/14/14	16:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG19213
Phoenix ID: BG19216

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B4@4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	03/14/14	I	E160.3
Soil Extraction for SVOA	Completed			03/14/14	BJ/FV	SW3545
Field Extraction	Completed			03/13/14		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.8	ug/Kg	03/18/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,1-Dichloroethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,1-Dichloroethene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,1-Dichloropropene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2-Dibromoethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2-Dichloroethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,2-Dichloropropane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,3-Dichloropropane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
2,2-Dichloropropane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
2-Chlorotoluene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260
2-Hexanone	ND	31	ug/Kg	03/18/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
2-Isopropyltoluene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	1
4-Chlorotoluene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	31	ug/Kg	03/18/14	JLI	SW8260	
Acetone	ND	38	ug/Kg	03/18/14	JLI	SW8260	
Acrylonitrile	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Benzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Bromobenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Bromochloromethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Bromodichloromethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Bromoform	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Bromomethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Carbon Disulfide	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Carbon tetrachloride	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Chlorobenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Chloroethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Chloroform	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Chloromethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Dibromochloromethane	ND	3.8	ug/Kg	03/18/14	JLI	SW8260	
Dibromomethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Ethylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Hexachlorobutadiene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Isopropylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
m&p-Xylene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	38	ug/Kg	03/18/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	03/18/14	JLI	SW8260	
Methylene chloride	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Naphthalene	200	6.3	ug/Kg	03/18/14	JLI	SW8260	
n-Butylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
n-Propylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
o-Xylene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
p-Isopropyltoluene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
sec-Butylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Styrene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
tert-Butylbenzene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Tetrachloroethene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	13	ug/Kg	03/18/14	JLI	SW8260	1
Toluene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Total Xylenes	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	03/18/14	JLI	SW8260	
Trichloroethene	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Trichlorofluoromethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	
Vinyl chloride	ND	6.3	ug/Kg	03/18/14	JLI	SW8260	

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4	100		%	03/18/14	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	03/18/14	JLI	70 - 130 %	
% Dibromofluoromethane	98		%	03/18/14	JLI	70 - 130 %	
% Toluene-d8	100		%	03/18/14	JLI	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	370	ug/Kg	03/15/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrophenol	ND	600	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Chlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Nitroaniline	ND	600	ug/Kg	03/15/14	DD	SW 8270	
2-Nitrophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	03/15/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	260	ug/Kg	03/15/14	DD	SW 8270	
3-Nitroaniline	ND	600	ug/Kg	03/15/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	370	ug/Kg	03/15/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
4-Chloroaniline	ND	260	ug/Kg	03/15/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/15/14	DD	SW 8270	
4-Nitroaniline	ND	600	ug/Kg	03/15/14	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthylene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Acetophenone	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Aniline	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
Anthracene	280	260	ug/Kg	03/15/14	DD	SW 8270	
Benz(a)anthracene	370	260	ug/Kg	03/15/14	DD	SW 8270	
Benzidine	ND	450	ug/Kg	03/15/14	DD	SW 8270	
Benzo(a)pyrene	340	260	ug/Kg	03/15/14	DD	SW 8270	
Benzo(b)fluoranthene	440	260	ug/Kg	03/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	03/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370	ug/Kg	03/15/14	DD	SW 8270	

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B4@4

Phoenix I.D.: BG19216

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Carbazole	ND	560	ug/Kg	03/15/14	DD	SW 8270	
Chrysene	360	260	ug/Kg	03/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Dibenzofuran	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Fluoranthene	1200	260	ug/Kg	03/15/14	DD	SW 8270	
Fluorene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Isophorone	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Naphthalene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	370	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370	ug/Kg	03/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	370	ug/Kg	03/15/14	DD	SW 8270	
Pentachlorophenol	ND	370	ug/Kg	03/15/14	DD	SW 8270	
Phenanthrene	1300	260	ug/Kg	03/15/14	DD	SW 8270	
Phenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Pyrene	1000	260	ug/Kg	03/15/14	DD	SW 8270	
Pyridine	ND	370	ug/Kg	03/15/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	41		%	03/15/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	49		%	03/15/14	DD	30 - 130 %	
% 2-Fluorophenol	46		%	03/15/14	DD	30 - 130 %	
% Nitrobenzene-d5	49		%	03/15/14	DD	30 - 130 %	
% Phenol-d5	50		%	03/15/14	DD	30 - 130 %	
% Terphenyl-d14	59		%	03/15/14	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 20, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/14	0:00
Location Code:	EBC	Received by:	LDA	03/14/14	16:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG19213
Phoenix ID: BG19217

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B5@7

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	03/14/14	I	E160.3
Soil Extraction for SVOA	Completed			03/14/14	BJ/FV	SW3545
Field Extraction	Completed			03/13/14		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.1	ug/Kg	03/15/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,1-Dichloroethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,1-Dichloroethene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,1-Dichloropropene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2-Dibromoethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2-Dichloroethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,2-Dichloropropane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,3-Dichloropropane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
2,2-Dichloropropane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
2-Chlorotoluene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260
2-Hexanone	ND	34	ug/Kg	03/15/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
2-Isopropyltoluene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	1
4-Chlorotoluene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	34	ug/Kg	03/15/14	JLI	SW8260	
Acetone	ND	41	ug/Kg	03/15/14	JLI	SW8260	
Acrylonitrile	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Benzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Bromobenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Bromochloromethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Bromodichloromethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Bromoform	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Bromomethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Carbon Disulfide	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Carbon tetrachloride	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Chlorobenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Chloroethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Chloroform	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Chloromethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Dibromochloromethane	ND	4.1	ug/Kg	03/15/14	JLI	SW8260	
Dibromomethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Ethylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Hexachlorobutadiene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Isopropylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
m&p-Xylene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	41	ug/Kg	03/15/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	03/15/14	JLI	SW8260	
Methylene chloride	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Naphthalene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
n-Butylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
n-Propylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
o-Xylene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
p-Isopropyltoluene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
sec-Butylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Styrene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
tert-Butylbenzene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Tetrachloroethene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	14	ug/Kg	03/15/14	JLI	SW8260	1
Toluene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Total Xylenes	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	03/15/14	JLI	SW8260	
Trichloroethene	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Trichlorofluoromethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	
Vinyl chloride	ND	6.8	ug/Kg	03/15/14	JLI	SW8260	

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4	96		%	03/15/14	JLI	70 - 130 %	
% Bromofluorobenzene	97		%	03/15/14	JLI	70 - 130 %	
% Dibromofluoromethane	93		%	03/15/14	JLI	70 - 130 %	
% Toluene-d8	110		%	03/15/14	JLI	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	440	ug/Kg	03/15/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dichlorophenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dimethylphenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrophenol	ND	710	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2-Chloronaphthalene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2-Chlorophenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2-Methylnaphthalene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	310	ug/Kg	03/15/14	DD	SW 8270	
2-Nitroaniline	ND	710	ug/Kg	03/15/14	DD	SW 8270	
2-Nitrophenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	440	ug/Kg	03/15/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	310	ug/Kg	03/15/14	DD	SW 8270	
3-Nitroaniline	ND	710	ug/Kg	03/15/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1300	ug/Kg	03/15/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	440	ug/Kg	03/15/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
4-Chloroaniline	ND	310	ug/Kg	03/15/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	310	ug/Kg	03/15/14	DD	SW 8270	
4-Nitroaniline	ND	710	ug/Kg	03/15/14	DD	SW 8270	
4-Nitrophenol	ND	1300	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthylene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Acetophenone	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Aniline	ND	1300	ug/Kg	03/15/14	DD	SW 8270	
Anthracene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Benz(a)anthracene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Benzidine	ND	530	ug/Kg	03/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Benzoic acid	ND	1300	ug/Kg	03/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	440	ug/Kg	03/15/14	DD	SW 8270	

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B5@7

Phoenix I.D.: BG19217

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bis(2-chloroisopropyl)ether	ND	310	ug/Kg	03/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Carbazole	ND	670	ug/Kg	03/15/14	DD	SW 8270	
Chrysene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Dibenzofuran	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Diethyl phthalate	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Dimethylphthalate	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Fluoranthene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Fluorene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobenzene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Hexachloroethane	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Isophorone	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Naphthalene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Nitrobenzene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	440	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	310	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	440	ug/Kg	03/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	440	ug/Kg	03/15/14	DD	SW 8270	
Pentachlorophenol	ND	440	ug/Kg	03/15/14	DD	SW 8270	
Phenanthrene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Phenol	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Pyrene	ND	310	ug/Kg	03/15/14	DD	SW 8270	
Pyridine	ND	440	ug/Kg	03/15/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	59		%	03/15/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	50		%	03/15/14	DD	30 - 130 %	
% 2-Fluorophenol	48		%	03/15/14	DD	30 - 130 %	
% Nitrobenzene-d5	53		%	03/15/14	DD	30 - 130 %	
% Phenol-d5	51		%	03/15/14	DD	30 - 130 %	
% Terphenyl-d14	64		%	03/15/14	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
March 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

March 20, 2014

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/13/14	0:00
Location Code:	EBC	Received by:	LDA	03/14/14	16:02
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBG19213
Phoenix ID: BG19218

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B6@4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	03/14/14	I	E160.3
Soil Extraction for SVOA	Completed			03/14/14	BJ/FV	SW3545
Field Extraction	Completed			03/13/14		SW5035
Volatiles						
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,1,1-Trichloroethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	03/15/14	HM	SW8260
1,1,2-Trichloroethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,1-Dichloroethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,1-Dichloroethene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,1-Dichloropropene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2,3-Trichloropropane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2-Dibromoethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2-Dichlorobenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2-Dichloroethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,2-Dichloropropane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,3-Dichlorobenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,3-Dichloropropane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
1,4-Dichlorobenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
2,2-Dichloropropane	ND	5.8	ug/Kg	03/15/14	HM	SW8260
2-Chlorotoluene	ND	5.8	ug/Kg	03/15/14	HM	SW8260
2-Hexanone	ND	29	ug/Kg	03/15/14	HM	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
2-Isopropyltoluene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	03/15/14	HM	SW8260	
Acetone	ND	35	ug/Kg	03/15/14	HM	SW8260	
Acrylonitrile	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Benzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Bromobenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Bromoform	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Bromomethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Chloroethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Chloroform	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Chloromethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Dibromochloromethane	ND	3.5	ug/Kg	03/15/14	HM	SW8260	
Dibromomethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Isopropylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Methyl Ethyl Ketone	ND	35	ug/Kg	03/15/14	HM	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	03/15/14	HM	SW8260	
Methylene chloride	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Naphthalene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
o-Xylene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
p-Isopropyltoluene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Styrene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Tetrachloroethene	280	150	ug/Kg	03/17/14	HM	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	03/15/14	HM	SW8260	1
Toluene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Total Xylenes	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	03/15/14	HM	SW8260	
Trichloroethene	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	03/15/14	HM	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	03/15/14	HM	SW8260	

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
% 1,2-dichlorobenzene-d4	101		%	03/15/14	HM	70 - 130 %	
% Bromofluorobenzene	99		%	03/15/14	HM	70 - 130 %	
% Dibromofluoromethane	98		%	03/15/14	HM	70 - 130 %	
% Toluene-d8	102		%	03/17/14	HM	70 - 130 %	
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	380	ug/Kg	03/15/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dichlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dimethylphenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrophenol	ND	600	ug/Kg	03/15/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Chloronaphthalene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Chlorophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Methylnaphthalene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	ug/Kg	03/15/14	DD	SW 8270	
2-Nitroaniline	ND	600	ug/Kg	03/15/14	DD	SW 8270	
2-Nitrophenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	03/15/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	260	ug/Kg	03/15/14	DD	SW 8270	
3-Nitroaniline	ND	600	ug/Kg	03/15/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	03/15/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
4-Chloroaniline	ND	260	ug/Kg	03/15/14	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	03/15/14	DD	SW 8270	
4-Nitroaniline	ND	600	ug/Kg	03/15/14	DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthene	930	260	ug/Kg	03/15/14	DD	SW 8270	
Acenaphthylene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Acetophenone	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Aniline	ND	1100	ug/Kg	03/15/14	DD	SW 8270	
Anthracene	1400	260	ug/Kg	03/15/14	DD	SW 8270	
Benz(a)anthracene	1600	260	ug/Kg	03/15/14	DD	SW 8270	
Benzidine	ND	450	ug/Kg	03/15/14	DD	SW 8270	
Benzo(a)pyrene	1400	260	ug/Kg	03/15/14	DD	SW 8270	
Benzo(b)fluoranthene	1600	260	ug/Kg	03/15/14	DD	SW 8270	
Benzo(ghi)perylene	560	260	ug/Kg	03/15/14	DD	SW 8270	
Benzo(k)fluoranthene	700	260	ug/Kg	03/15/14	DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	03/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	03/15/14	DD	SW 8270	

Project ID: 644 EAST 14TH ST MANHATTAN NY
Client ID: B6@4

Phoenix I.D.: BG19218

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	03/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Carbazole	650	570	ug/Kg	03/15/14	DD	SW 8270	
Chrysene	1600	260	ug/Kg	03/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Dibenzofuran	460	260	ug/Kg	03/15/14	DD	SW 8270	
Diethyl phthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Dimethylphthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Fluoranthene	3700	260	ug/Kg	03/15/14	DD	SW 8270	
Fluorene	770	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Hexachloroethane	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	570	260	ug/Kg	03/15/14	DD	SW 8270	
Isophorone	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Naphthalene	550	260	ug/Kg	03/15/14	DD	SW 8270	
Nitrobenzene	ND	260	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	380	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	03/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	380	ug/Kg	03/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	380	ug/Kg	03/15/14	DD	SW 8270	
Pentachlorophenol	ND	380	ug/Kg	03/15/14	DD	SW 8270	
Phenanthrene	3600	260	ug/Kg	03/15/14	DD	SW 8270	
Phenol	ND	260	ug/Kg	03/15/14	DD	SW 8270	
Pyrene	3100	260	ug/Kg	03/15/14	DD	SW 8270	
Pyridine	ND	380	ug/Kg	03/15/14	DD	SW 8270	
QA/QC Surrogates							
% 2,4,6-Tribromophenol	60		%	03/15/14	DD	30 - 130 %	
% 2-Fluorobiphenyl	52		%	03/15/14	DD	30 - 130 %	
% 2-Fluorophenol	51		%	03/15/14	DD	30 - 130 %	
% Nitrobenzene-d5	53		%	03/15/14	DD	30 - 130 %	
% Phenol-d5	53		%	03/15/14	DD	30 - 130 %	
% Terphenyl-d14	60		%	03/15/14	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
March 20, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 20, 2014

QA/QC Data

SDG I.D.: GBG19213

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 268785, QC Sample No: BG18531 (BG19215, BG19216, BG19217, BG19218)										
Semivolatiles - Soil										
1,2,4,5-Tetrachlorobenzene	ND	60	67	11.0	68	69	1.5	30 - 130	30	
1,2,4-Trichlorobenzene	ND	59	64	8.1	65	65	0.0	30 - 130	30	
1,2-Dichlorobenzene	ND	60	65	8.0	65	65	0.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	67	75	11.3	76	78	2.6	30 - 130	30	
1,3-Dichlorobenzene	ND	60	66	9.5	65	64	1.6	30 - 130	30	
1,4-Dichlorobenzene	ND	58	64	9.8	63	63	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	66	75	12.8	78	86	9.8	30 - 130	30	
2,4,6-Trichlorophenol	ND	70	80	13.3	81	83	2.4	30 - 130	30	
2,4-Dichlorophenol	ND	66	74	11.4	76	76	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	44	50	12.8	54	55	1.8	30 - 130	30	
2,4-Dinitrophenol	ND	<5	15	NC	12	<5	NC	30 - 130	30	l,m
2,4-Dinitrotoluene	ND	69	77	11.0	77	78	1.3	30 - 130	30	
2,6-Dinitrotoluene	ND	68	77	12.4	77	78	1.3	30 - 130	30	
2-Chloronaphthalene	ND	63	68	7.6	70	71	1.4	30 - 130	30	
2-Chlorophenol	ND	64	72	11.8	71	72	1.4	30 - 130	30	
2-Methylnaphthalene	ND	61	68	10.9	68	69	1.5	30 - 130	30	
2-Methylphenol (o-cresol)	ND	60	66	9.5	68	67	1.5	30 - 130	30	
2-Nitroaniline	ND	122	137	11.6	133	135	1.5	30 - 130	30	l,m
2-Nitrophenol	ND	63	75	17.4	76	76	0.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	60	66	9.5	67	67	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	105	121	14.2	118	113	4.3	30 - 130	30	
3-Nitroaniline	ND	95	107	11.9	88	91	3.4	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	23	58	86.4	64	43	39.3	30 - 130	30	l,r
4-Bromophenyl phenyl ether	ND	63	72	13.3	72	74	2.7	30 - 130	30	
4-Chloro-3-methylphenol	ND	70	79	12.1	80	82	2.5	30 - 130	30	
4-Chloroaniline	ND	51	57	11.1	41	47	13.6	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	60	69	14.0	70	72	2.8	30 - 130	30	
4-Nitroaniline	ND	72	81	11.8	82	84	2.4	30 - 130	30	
4-Nitrophenol	ND	71	86	19.1	93	94	1.1	30 - 130	30	
Acenaphthene	ND	56	64	13.3	64	68	6.1	30 - 130	30	
Acenaphthylene	ND	61	67	9.4	69	71	2.9	30 - 130	30	
Acetophenone	ND	64	71	10.4	70	70	0.0	30 - 130	30	
Aniline	ND	75	83	10.1	69	72	4.3	30 - 130	30	
Anthracene	ND	61	68	10.9	69	74	7.0	30 - 130	30	
Benz(a)anthracene	ND	65	74	12.9	77	95	20.9	30 - 130	30	
Benzidine	ND	49	53	7.8	18	21	15.4	30 - 130	30	m
Benzo(a)pyrene	ND	59	66	11.2	69	82	17.2	30 - 130	30	
Benzo(b)fluoranthene	ND	67	74	9.9	74	99	28.9	30 - 130	30	
Benzo(ghi)perylene	ND	69	79	13.5	78	84	7.4	30 - 130	30	
Benzo(k)fluoranthene	ND	63	70	10.5	75	75	0.0	30 - 130	30	
Benzyl butyl phthalate	ND	58	65	11.4	68	71	4.3	30 - 130	30	

QA/QC Data

SDG I.D.: GBG19213

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-chloroethoxy)methane	ND	63	70	10.5	70	70	0.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	61	67	9.4	70	69	1.4	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	62	70	12.1	69	69	0.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	59	66	11.2	69	72	4.3	30 - 130	30	
Carbazole	ND	76	85	11.2	90	94	4.3	30 - 130	30	
Chrysene	ND	59	67	12.7	70	83	17.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	67	76	12.6	76	78	2.6	30 - 130	30	
Dibenzofuran	ND	62	68	9.2	70	71	1.4	30 - 130	30	
Diethyl phthalate	ND	64	72	11.8	72	74	2.7	30 - 130	30	
Dimethylphthalate	ND	64	71	10.4	72	73	1.4	30 - 130	30	
Di-n-butylphthalate	ND	62	69	10.7	70	72	2.8	30 - 130	30	
Di-n-octylphthalate	ND	54	62	13.8	61	63	3.2	30 - 130	30	
Fluoranthene	ND	64	71	10.4	77	116	40.4	30 - 130	30	r
Fluorene	ND	60	68	12.5	69	73	5.6	30 - 130	30	
Hexachlorobenzene	ND	63	70	10.5	70	72	2.8	30 - 130	30	
Hexachlorobutadiene	ND	58	65	11.4	66	65	1.5	30 - 130	30	
Hexachlorocyclopentadiene	ND	54	61	12.2	50	39	24.7	30 - 130	30	
Hexachloroethane	ND	61	67	9.4	65	64	1.6	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	67	76	12.6	78	84	7.4	30 - 130	30	
Isophorone	ND	66	74	11.4	73	73	0.0	30 - 130	30	
Naphthalene	ND	57	63	10.0	65	64	1.6	30 - 130	30	
Nitrobenzene	ND	63	69	9.1	69	70	1.4	30 - 130	30	
N-Nitrosodimethylamine	ND	59	65	9.7	63	61	3.2	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	62	70	12.1	68	67	1.5	30 - 130	30	
N-Nitrosodiphenylamine	ND	74	82	10.3	82	84	2.4	30 - 130	30	
Pentachloronitrobenzene	ND	65	74	12.9	73	76	4.0	30 - 130	30	
Pentachlorophenol	ND	45	65	36.4	83	90	8.1	30 - 130	30	r
Phenanthrene	ND	61	68	10.9	72	100	32.6	30 - 130	30	r
Phenol	ND	64	71	10.4	70	71	1.4	30 - 130	30	
Pyrene	ND	65	72	10.2	77	110	35.3	30 - 130	30	r
Pyridine	ND	50	57	13.1	52	49	5.9	30 - 130	30	
% 2,4,6-Tribromophenol	69	72	83	14.2	84	88	4.7	30 - 130	30	
% 2-Fluorobiphenyl	62	59	66	11.2	65	67	3.0	30 - 130	30	
% 2-Fluorophenol	60	60	65	8.0	65	66	1.5	30 - 130	30	
% Nitrobenzene-d5	64	63	70	10.5	68	69	1.5	30 - 130	30	
% Phenol-d5	64	63	69	9.1	68	69	1.5	30 - 130	30	
% Terphenyl-d14	69	71	77	8.1	77	82	6.3	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 268981, QC Sample No: BG19146 (BG19215 (50X) , BG19217, BG19218)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	103	105	1.9	92	93	1.1	70 - 130	30	
1,1,1-Trichloroethane	ND	110	108	1.8	103	102	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	99	102	3.0	108	102	5.7	70 - 130	30	
1,1,2-Trichloroethane	ND	107	106	0.9	109	103	5.7	70 - 130	30	
1,1-Dichloroethane	ND	97	93	4.2	93	92	1.1	70 - 130	30	
1,1-Dichloroethene	ND	107	101	5.8	96	89	7.6	70 - 130	30	
1,1-Dichloropropene	ND	109	106	2.8	109	109	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	107	90	17.3	112	95	16.4	70 - 130	30	
1,2,3-Trichloropropane	ND	105	113	7.3	106	96	9.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	104	90	14.4	111	98	12.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBG19213

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trimethylbenzene	ND	113	112	0.9	110	105	4.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	96	91	5.3	86	80	7.2	70 - 130	30	
1,2-Dibromoethane	ND	106	105	0.9	107	102	4.8	70 - 130	30	
1,2-Dichlorobenzene	ND	103	100	3.0	109	103	5.7	70 - 130	30	
1,2-Dichloroethane	ND	108	105	2.8	111	104	6.5	70 - 130	30	
1,2-Dichloropropane	ND	111	110	0.9	114	106	7.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	110	109	0.9	109	105	3.7	70 - 130	30	
1,3-Dichlorobenzene	ND	105	103	1.9	109	106	2.8	70 - 130	30	
1,3-Dichloropropane	ND	105	104	1.0	107	103	3.8	70 - 130	30	
1,4-Dichlorobenzene	ND	104	102	1.9	110	106	3.7	70 - 130	30	
2,2-Dichloropropane	ND	111	108	2.7	101	100	1.0	70 - 130	30	
2-Chlorotoluene	ND	105	107	1.9	109	106	2.8	70 - 130	30	
2-Hexanone	ND	125	109	13.7	102	97	5.0	70 - 130	30	
2-Isopropyltoluene	ND	110	108	1.8	110	107	2.8	70 - 130	30	
4-Chlorotoluene	ND	108	109	0.9	109	108	0.9	70 - 130	30	
4-Methyl-2-pentanone	ND	114	111	2.7	116	108	7.1	70 - 130	30	
Acetone	ND	137	69	66.0	70	56	22.2	70 - 130	30	l,m,r
Acrylonitrile	ND	92	89	3.3	96	96	0.0	70 - 130	30	
Benzene	ND	109	107	1.9	111	106	4.6	70 - 130	30	
Bromobenzene	ND	105	107	1.9	107	106	0.9	70 - 130	30	
Bromochloromethane	ND	108	106	1.9	105	107	1.9	70 - 130	30	
Bromodichloromethane	ND	103	103	0.0	97	94	3.1	70 - 130	30	
Bromoform	ND	91	95	4.3	74	75	1.3	70 - 130	30	
Bromomethane	ND	120	100	18.2	69	48	35.9	70 - 130	30	m,r
Carbon Disulfide	ND	104	99	4.9	95	89	6.5	70 - 130	30	
Carbon tetrachloride	ND	104	102	1.9	80	86	7.2	70 - 130	30	
Chlorobenzene	ND	106	105	0.9	108	107	0.9	70 - 130	30	
Chloroethane	ND	111	108	2.7	43	37	15.0	70 - 130	30	m
Chloroform	ND	111	108	2.7	108	105	2.8	70 - 130	30	
Chloromethane	ND	122	119	2.5	106	115	8.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	110	107	2.8	107	108	0.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	104	104	0.0	104	100	3.9	70 - 130	30	
Dibromochloromethane	ND	99	101	2.0	82	83	1.2	70 - 130	30	
Dibromomethane	ND	103	103	0.0	107	101	5.8	70 - 130	30	
Dichlorodifluoromethane	ND	112	111	0.9	96	100	4.1	70 - 130	30	
Ethylbenzene	ND	107	106	0.9	110	109	0.9	70 - 130	30	
Hexachlorobutadiene	ND	107	98	8.8	109	102	6.6	70 - 130	30	
Isopropylbenzene	ND	111	112	0.9	110	108	1.8	70 - 130	30	
m&p-Xylene	ND	107	105	1.9	110	107	2.8	70 - 130	30	
Methyl ethyl ketone	ND	132	120	9.5	118	106	10.7	70 - 130	30	l
Methyl t-butyl ether (MTBE)	ND	78	74	5.3	81	80	1.2	70 - 130	30	
Methylene chloride	ND	98	94	4.2	97	89	8.6	70 - 130	30	
Naphthalene	ND	110	93	16.7	111	94	16.6	70 - 130	30	
n-Butylbenzene	ND	112	108	3.6	110	106	3.7	70 - 130	30	
n-Propylbenzene	ND	114	117	2.6	109	108	0.9	70 - 130	30	
o-Xylene	ND	103	102	1.0	111	109	1.8	70 - 130	30	
p-Isopropyltoluene	ND	111	109	1.8	110	107	2.8	70 - 130	30	
sec-Butylbenzene	ND	108	107	0.9	109	107	1.9	70 - 130	30	
Styrene	ND	103	102	1.0	111	108	2.7	70 - 130	30	
tert-Butylbenzene	ND	111	111	0.0	109	107	1.9	70 - 130	30	
Tetrachloroethene	ND	105	103	1.9	105	104	1.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	105	3.7	119	110	7.9	70 - 130	30	
Toluene	ND	109	107	1.9	112	106	5.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBG19213

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,2-Dichloroethene	ND	102	90	12.5	102	92	10.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	103	101	2.0	103	99	4.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	98	106	7.8	90	89	1.1	70 - 130	30	
Trichloroethene	ND	110	109	0.9	108	106	1.9	70 - 130	30	
Trichlorofluoromethane	ND	114	109	4.5	30	27	10.5	70 - 130	30	m
Trichlorotrifluoroethane	ND	109	104	4.7	97	89	8.6	70 - 130	30	
Vinyl chloride	ND	121	113	6.8	99	92	7.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	100	100	0.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	99	99	100	1.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	96	98	100	2.0	91	98	7.4	70 - 130	30	
% Toluene-d8	106	98	99	1.0	100	98	2.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 269064, QC Sample No: BG19152 (BG19218 (50X))

Volatiles - Soil

Tetrachloroethene	ND	99	108	8.7	99	102	3.0	70 - 130	30	
% Toluene-d8	101	99	98	1.0	97	98	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 269004, QC Sample No: BG19213 (BG19213, BG19214)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	116	112	3.5	113	113	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	105	102	2.9	103	107	3.8	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	114	115	0.9	120	122	1.7	70 - 130	30	
1,1,2-Trichloroethane	ND	123	124	0.8	127	126	0.8	70 - 130	30	
1,1-Dichloroethane	ND	112	109	2.7	113	113	0.0	70 - 130	30	
1,1-Dichloroethene	ND	98	96	2.1	102	104	1.9	70 - 130	30	
1,1-Dichloropropene	ND	101	95	6.1	98	100	2.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	123	123	0.0	121	69	54.7	70 - 130	30	m,r
1,2,3-Trichloropropane	ND	116	117	0.9	117	98	17.7	70 - 130	30	
1,2,4-Trichlorobenzene	ND	120	115	4.3	112	67	50.3	70 - 130	30	m,r
1,2,4-Trimethylbenzene	ND	114	107	6.3	103	108	4.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	123	130	5.5	126	116	8.3	70 - 130	30	
1,2-Dibromoethane	ND	129	129	0.0	133	132	0.8	70 - 130	30	m
1,2-Dichlorobenzene	ND	112	109	2.7	108	109	0.9	70 - 130	30	
1,2-Dichloroethane	ND	119	118	0.8	125	125	0.0	70 - 130	30	
1,2-Dichloropropane	ND	119	115	3.4	118	116	1.7	70 - 130	30	
1,3,5-Trimethylbenzene	ND	106	99	6.8	100	107	6.8	70 - 130	30	
1,3-Dichlorobenzene	ND	109	105	3.7	104	107	2.8	70 - 130	30	
1,3-Dichloropropane	ND	119	122	2.5	123	121	1.6	70 - 130	30	
1,4-Dichlorobenzene	ND	109	105	3.7	105	107	1.9	70 - 130	30	
2,2-Dichloropropane	ND	118	110	7.0	95	94	1.1	70 - 130	30	
2-Chlorotoluene	ND	107	101	5.8	102	110	7.5	70 - 130	30	
2-Hexanone	ND	130	145	10.9	136	131	3.7	70 - 130	30	l,m
2-Isopropyltoluene	ND	108	101	6.7	103	108	4.7	70 - 130	30	
4-Chlorotoluene	ND	110	105	4.7	103	110	6.6	70 - 130	30	
4-Methyl-2-pentanone	ND	125	128	2.4	137	135	1.5	70 - 130	30	m
Acetone	ND	103	103	0.0	106	123	14.8	70 - 130	30	
Acrylonitrile	ND	117	121	3.4	139	130	6.7	70 - 130	30	m
Benzene	ND	109	102	6.6	106	108	1.9	70 - 130	30	
Bromobenzene	ND	113	109	3.6	108	116	7.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBG19213

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromochloromethane	ND	120	122	1.7	127	130	2.3	70 - 130	30	
Bromodichloromethane	ND	117	116	0.9	122	121	0.8	70 - 130	30	
Bromoform	ND	124	131	5.5	130	123	5.5	70 - 130	30	l
Bromomethane	ND	121	114	6.0	112	117	4.4	70 - 130	30	
Carbon Disulfide	ND	102	99	3.0	108	110	1.8	70 - 130	30	
Carbon tetrachloride	ND	101	92	9.3	98	100	2.0	70 - 130	30	
Chlorobenzene	ND	111	107	3.7	109	108	0.9	70 - 130	30	
Chloroethane	ND	105	98	6.9	102	102	0.0	70 - 130	30	
Chloroform	ND	112	110	1.8	117	116	0.9	70 - 130	30	
Chloromethane	ND	105	102	2.9	102	104	1.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	112	111	0.9	112	114	1.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	124	121	2.4	123	124	0.8	70 - 130	30	
Dibromochloromethane	ND	127	124	2.4	128	125	2.4	70 - 130	30	
Dibromomethane	ND	124	121	2.4	130	125	3.9	70 - 130	30	
Dichlorodifluoromethane	ND	86	81	6.0	86	92	6.7	70 - 130	30	
Ethylbenzene	ND	107	101	5.8	101	103	2.0	70 - 130	30	
Hexachlorobutadiene	ND	109	101	7.6	110	79	32.8	70 - 130	30	r
Isopropylbenzene	ND	109	103	5.7	101	110	8.5	70 - 130	30	
m&p-Xylene	ND	107	102	4.8	102	104	1.9	70 - 130	30	
Methyl ethyl ketone	ND	122	144	16.5	>150	>150	NC	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	82	82	0.0	87	88	1.1	70 - 130	30	
Methylene chloride	ND	104	104	0.0	106	107	0.9	70 - 130	30	
Naphthalene	ND	130	133	2.3	129	79	48.1	70 - 130	30	l,r
n-Butylbenzene	ND	114	107	6.3	108	114	5.4	70 - 130	30	
n-Propylbenzene	ND	112	102	9.3	100	108	7.7	70 - 130	30	
o-Xylene	ND	115	110	4.4	107	108	0.9	70 - 130	30	
p-Isopropyltoluene	ND	109	103	5.7	103	111	7.5	70 - 130	30	
sec-Butylbenzene	ND	102	94	8.2	101	110	8.5	70 - 130	30	
Styrene	ND	122	114	6.8	109	109	0.0	70 - 130	30	
tert-Butylbenzene	ND	107	99	7.8	102	111	8.5	70 - 130	30	
Tetrachloroethene	ND	104	97	7.0	96	98	2.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	116	124	6.7	131	131	0.0	70 - 130	30	m
Toluene	ND	112	105	6.5	107	108	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	106	101	4.8	107	107	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	124	124	0.0	130	128	1.6	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	134	132	1.5	130	135	3.8	70 - 130	30	l,m
Trichloroethene	ND	113	105	7.3	106	108	1.9	70 - 130	30	
Trichlorofluoromethane	ND	93	89	4.4	91	97	6.4	70 - 130	30	
Trichlorotrifluoroethane	ND	93	88	5.5	91	99	8.4	70 - 130	30	
Vinyl chloride	ND	106	101	4.8	103	108	4.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	103	104	1.0	104	103	1.0	70 - 130	30	
% Bromofluorobenzene	100	101	105	3.9	105	103	1.9	70 - 130	30	
% Dibromofluoromethane	110	106	111	4.6	108	113	4.5	70 - 130	30	
% Toluene-d8	95	101	101	0.0	100	100	0.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 269163, QC Sample No: BG19713 (BG19216 (50X))

Volatiles - Soil

% 1,2-dichlorobenzene-d4	98	99	100	1.0	99	100	1.0	70 - 130	30	
% Bromofluorobenzene	95	98	97	1.0	101	99	2.0	70 - 130	30	
% Dibromofluoromethane	93	102	95	7.1	99	95	4.1	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Toluene-d8	98	101	100	1.0	100	97	3.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 269057, QC Sample No: BG19717 (BG19215, BG19216)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	108	111	2.7	95	102	7.1	70 - 130	30	
1,1,1-Trichloroethane	ND	92	93	1.1	84	85	1.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	100	101	1.0	94	99	5.2	70 - 130	30	
1,1,2-Trichloroethane	ND	97	97	0.0	89	90	1.1	70 - 130	30	
1,1-Dichloroethane	ND	91	91	0.0	85	86	1.2	70 - 130	30	
1,1-Dichloroethene	ND	83	83	0.0	82	82	0.0	70 - 130	30	
1,1-Dichloropropene	ND	99	97	2.0	92	93	1.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	119	102	15.4	96	88	8.7	70 - 130	30	
1,2,3-Trichloropropane	ND	99	106	6.8	88	98	10.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	112	101	10.3	91	87	4.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	110	111	0.9	92	95	3.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	117	108	8.0	96	95	1.0	70 - 130	30	
1,2-Dibromoethane	ND	99	101	2.0	88	91	3.4	70 - 130	30	
1,2-Dichlorobenzene	ND	105	103	1.9	94	96	2.1	70 - 130	30	
1,2-Dichloroethane	ND	95	95	0.0	88	89	1.1	70 - 130	30	
1,2-Dichloropropane	ND	96	97	1.0	88	90	2.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	106	106	0.0	92	97	5.3	70 - 130	30	
1,3-Dichlorobenzene	ND	107	106	0.9	95	98	3.1	70 - 130	30	
1,3-Dichloropropane	ND	103	104	1.0	93	98	5.2	70 - 130	30	
1,4-Dichlorobenzene	ND	105	105	0.0	92	97	5.3	70 - 130	30	
2,2-Dichloropropane	ND	91	92	1.1	82	85	3.6	70 - 130	30	
2-Chlorotoluene	ND	105	106	0.9	96	101	5.1	70 - 130	30	
2-Hexanone	ND	117	100	15.7	56	57	1.8	70 - 130	30	m
2-Isopropyltoluene	ND	106	106	0.0	96	100	4.1	70 - 130	30	
4-Chlorotoluene	ND	108	109	0.9	94	98	4.2	70 - 130	30	
4-Methyl-2-pentanone	ND	93	92	1.1	73	71	2.8	70 - 130	30	
Acetone	ND	124	64	63.8	49	49	0.0	70 - 130	30	l,m,r
Acrylonitrile	ND	87	87	0.0	78	79	1.3	70 - 130	30	
Benzene	ND	95	95	0.0	89	90	1.1	70 - 130	30	
Bromobenzene	ND	109	112	2.7	98	105	6.9	70 - 130	30	
Bromochloromethane	ND	98	97	1.0	90	94	4.3	70 - 130	30	
Bromodichloromethane	ND	96	97	1.0	90	92	2.2	70 - 130	30	
Bromoform	ND	107	110	2.8	92	99	7.3	70 - 130	30	
Bromomethane	ND	90	78	14.3	90	79	13.0	70 - 130	30	
Carbon Disulfide	ND	81	81	0.0	82	83	1.2	70 - 130	30	
Carbon tetrachloride	ND	100	98	2.0	92	91	1.1	70 - 130	30	
Chlorobenzene	ND	103	105	1.9	93	98	5.2	70 - 130	30	
Chloroethane	ND	87	88	1.1	81	87	7.1	70 - 130	30	
Chloroform	ND	91	91	0.0	85	89	4.6	70 - 130	30	
Chloromethane	ND	87	85	2.3	82	84	2.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	94	95	1.1	87	89	2.3	70 - 130	30	
cis-1,3-Dichloropropene	ND	96	96	0.0	87	89	2.3	70 - 130	30	
Dibromochloromethane	ND	110	112	1.8	95	101	6.1	70 - 130	30	
Dibromomethane	ND	97	98	1.0	88	91	3.4	70 - 130	30	
Dichlorodifluoromethane	ND	77	78	1.3	78	82	5.0	70 - 130	30	
Ethylbenzene	ND	102	103	1.0	94	98	4.2	70 - 130	30	
Hexachlorobutadiene	ND	120	113	6.0	97	97	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBG19213

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Isopropylbenzene	ND	107	111	3.7	96	101	5.1	70 - 130	30	
m&p-Xylene	ND	102	102	0.0	90	95	5.4	70 - 130	30	
Methyl ethyl ketone	ND	97	88	9.7	54	51	5.7	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	92	91	1.1	87	88	1.1	70 - 130	30	
Methylene chloride	ND	85	84	1.2	78	80	2.5	70 - 130	30	
Naphthalene	ND	118	100	16.5	95	84	12.3	70 - 130	30	
n-Butylbenzene	ND	108	108	0.0	85	87	2.3	70 - 130	30	
n-Propylbenzene	ND	113	115	1.8	95	99	4.1	70 - 130	30	
o-Xylene	ND	97	99	2.0	92	97	5.3	70 - 130	30	
p-Isopropyltoluene	ND	109	108	0.9	87	88	1.1	70 - 130	30	
sec-Butylbenzene	ND	104	105	1.0	93	96	3.2	70 - 130	30	
Styrene	ND	97	98	1.0	89	95	6.5	70 - 130	30	
tert-Butylbenzene	ND	107	110	2.8	97	101	4.0	70 - 130	30	
Tetrachloroethene	ND	110	111	0.9	97	102	5.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	85	82	3.6	77	79	2.6	70 - 130	30	
Toluene	ND	96	97	1.0	87	89	2.3	70 - 130	30	
trans-1,2-Dichloroethene	ND	86	80	7.2	84	76	10.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	93	95	2.1	86	87	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	103	109	5.7	82	90	9.3	70 - 130	30	
Trichloroethene	ND	101	102	1.0	91	92	1.1	70 - 130	30	
Trichlorofluoromethane	ND	87	86	1.2	84	86	2.4	70 - 130	30	
Trichlorotrifluoroethane	ND	88	86	2.3	83	85	2.4	70 - 130	30	
Vinyl chloride	ND	85	86	1.2	81	82	1.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	101	99	2.0	100	99	1.0	70 - 130	30	
% Dibromofluoromethane	99	101	101	0.0	99	101	2.0	70 - 130	30	
% Toluene-d8	101	97	98	1.0	97	96	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
March 20, 2014

Sample Criteria Exceedences Report

GBG19213 - EBC

Criteria: NY: 375, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG19215	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2300	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2000	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	270	800	800	ug/Kg
BG19215	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2100	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2100	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	270	1000	1000	ug/Kg
BG19215	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	750	270	500	500	ug/Kg
BG19215	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	750	270	500	500	ug/Kg
BG19215	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	750	270	500	500	ug/Kg
BG19218	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1400	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	260	1000	1000	ug/Kg
BG19218	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	570	260	500	500	ug/Kg
BG19218	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	570	260	500	500	ug/Kg
BG19218	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	570	260	500	500	ug/Kg

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 20, 2014

SDG I.D.: GBG19213

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4°C Pg 1 of 1

WICIP

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☑ Email: KBRUSSEE@EBCINCNY.com

Customer: EBC
Address: 1808 Middle Country Rd
Ridge, NY 11961

Project: 644 East 14th St, Manhattan, NY
Report to: EBC
Invoice to: EBC

Project P.O:
Phone #: (631) 504-6000
Fax #: (631) 924-2870

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/13/2014

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request

	Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	Soil VOA [ ] Methanol [X] Bisulfate [ ] H2O	GL Soil container ( ) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] As is [ ] H2SO4	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
*	19213	CORNER MW	GW	3/13		X					1						
*	19214	EMPTY LOT MW	GW	3/13		X					3						
	19215	B3@1'	Soil	3/13		X	X			X		1					
	19216	B4@6'	Soil	3/13		X	X			X		1					
	19217	B5@7'	Soil	3/13		X	X			X		1					
	19218	B6@4'	Soil	3/13		X	X			X		1					

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3-14-14	9:15
[signature]	TRIP NYL	3-14-14	16:02

Comments, Special Requirements or Regulations:
*Recived 2 vials labeled corner & 2 VOAs labeled empty lot (CP)

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Nor-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☒ NY375 Residential Soil
☑ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY