Integral Engineering, P.C.
61 Broadway
Suite 1601
New York, NY 10006
telephone: 212.962.4303
facsimile: 212.962.4302

April 13, 2015

Ms. Bernadette Anderson
Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7020

Subject: **BCP Application Revision Documentation for the Property located at 515 West 18th Street, New York, NY**
BCP #C231093

Dear Ms. Anderson,

In accordance with the Departments' letter dated April 5, 2015, Integral Engineering, PC is submitting a revised Brownfield Cleanup Program Application for the aforementioned project site. This revised application includes the items that were found to be missing/incomplete within the original application dated April 2015.

Revisions include the following:

Section II - Property Information

Figure 3 has been revised to identify adjacent property owners.

Figure 4 has been revised to indicate land uses within 1,000 feet of the subject property.

Section II – Project Description

The anticipated schedule has been revised to include the expected Certificate of Completion issuance date.

Section VII – Site's Environmental History

Appendix A has been updated to include all available documents cited on page 1 of the Attachment to Section VII.

The Requestor's relationship to itself has been revised from "none" to "same entity" within the list of Previous Owners and Operators.

Section VIII – Contact List Information

The Site Contact List has been updated to include schools and daycare centers with ¼ mile of the subject property as well as the owners/occupants of Block 716, Lots 1, 2, 3, 4, 7505; Block 715, Lot 63; and Block 717, Lot 1.

Section IX – Land Use Factors

Appendix B has been added and includes:

- City Environmental Quality Review (CEQR) Technical Memorandum [03DCP069M] for the Special West Chelsea Re-Zoning District dated June 22, 2005;
- New York City Planning Commission Zoning Map 8b; and
- Zoning Opinion for the Development Site.

The aforementioned documentation supports that the proposed use of the subject property is consistent with zoning laws/maps and adopted land use plans.

Included under this cover are a printed revised Brownfield Cleanup Program Application and a CD containing the application and all associated attachments/appendices.

We look forward to working with the Department on this important project and are available to answer any questions the Department may have.

Sincerely,

Alana M. Carroll
Project Manager

Cc: Jane O'Connell, NYSDEC Region 2
Frank Monterisi, Jr., 18th Highline Associates, L.L.C.
David Freeman, Gibbons PC

BCP #C231093

515 WEST 18TH STREET

BROWNFIELD CLEANUP PROGRAM APPLICATION

For the Property located at
511 West 18th Street and 131 10th Avenue
New York, NY 10011

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation
Site Control Section
625 Broadway, 11th Floor
Albany, NY 12233-7020

Prepared for:
18th Highline Associates, L.L.C.
c/o The Related Companies
60 Columbus Circle
New York, NY 10023

Prepared by:

61 Broadway
Suite 1601
New York, NY 10006

April 13, 2015

Affiliated with Integral Consulting Inc.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BROWNFIELD CLEANUP PROGRAM (BCP)
ECL ARTICLE 27 / TITLE 14

08/2013

DEPARTMENT USE ONLY
BCP SITE #:

Section I. Requestor Information

NAME 18th Highline Associates, L.L.C.

ADDRESS c/o The Related Companies, 60 Columbus Circle

CITY/TOWN New York, NY ZIP CODE 10023

PHONE (212) 801-1000 FAX (212) 801-1066 E-MAIL www.related.com

Is the requestor authorized to conduct business in New York State (NYS)? ☑ Yes ☐ No

-If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS.

-Individuals that will be certifying BCP documents, as well as their employers, meet the requirements of Section 1.5 of DER-10: Technical Guidance for Site Investigation and Remediation and New York State Education Law. **Documents that are not properly certified will not be approved under the BCP.** ☑ Yes ☐ No

NAME OF REQUESTOR'S REPRESENTATIVE Frank Monterisi, Jr.

ADDRESS 60 Columbus Circle

CITY/TOWN New York, NY ZIP CODE 10023

PHONE (212) 801-3511 FAX (212) 801-1066 E-MAIL fmonterisi@related.com

NAME OF REQUESTOR'S CONSULTANT Integral Engineering P.C./Alana Carroll

ADDRESS 61 Broadway, Suite 1601

CITY/TOWN New York, NY ZIP CODE 10006

PHONE (212) 440-6706 FAX (212) 962-4301 E-MAIL acarroll@integral-corp.com

NAME OF REQUESTOR'S ATTORNEY Gibbons P.C./David Freeman

ADDRESS 1 Pennsylvania Plaza

CITY/TOWN New York, NY ZIP CODE 10019

PHONE (212) 613-2079 FAX (212) 554-9694 E-MAIL dfreeman@gibbonslaw.com

THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL 27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

☐ PARTICIPANT
A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

☑ VOLUNTEER
A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.

Requestor Relationship to Property (check one):

☐ Previous Owner ☑ Current Owner ☐ Potential /Future Purchaser ☐ Other_____

If requestor is not the site owner, requestor will have access to the property throughout the BCP project. ☐ Yes ☐ No

-Proof of site access must be submitted for non-owners

Section II. Property Information

Check here if this application is to request significant changes to property set forth in an existing BCA: ☐

Existing BCP site number: C231093

PROPERTY NAME 515 West 18th Street

ADDRESS/LOCATION 511 West 18th Street and 131 10th Avenue CITY/TOWN New York, NY ZIP CODE 10011

MUNICIPALITY(IF MORE THAN ONE, LIST ALL): New York City

COUNTY New York SITE SIZE (ACRES) 1.05601

LATITUDE (degrees/minutes/seconds) 40 ° 44 ' 42 " LONGITUDE (degrees/minutes/seconds) 74 ° 00 ' 24 "

HORIZONTAL COLLECTION METHOD: ☐ SURVEY ☐ GPS ☑ MAP HORIZONTAL REFERENCE DATUM: WGS 1984

COMPLETE TAX MAP INFORMATION FOR ALL TAX PARCELS INCLUDED WITHIN THE PROPERTY BOUNDARIES. ATTACH REQUIRED MAPS PER THE APPLICATION INSTRUCTIONS.

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage
511 West 18th Street, New York, NY 10001			690	20	0.528005
131 10th Avenue, New York, NY 10001			690	29	0.528005

1. Do the property boundaries correspond to tax map metes and bounds? ☑ Yes ☐ No
   If no, please attach a metes and bounds description of the property.
2. Is the required property map attached to the application? (application will not be processed without map) ☑ Yes ☐ No
3. Is the property part of a designated En-zone pursuant to Tax Law § 21(b)(6)? ☐ Yes ☑ No
   For more information please see Empire State Development's website.
   If yes, identify area (name) _____
   Percentage of property in En-zone (check one): ☑ 0-49% ☐ 50-99% ☐ 100%
4. Is this application one of multiple applications for a large development project, where the development project spans more than 25 acres (see additional criteria in BCP application instructions)? If yes, identify name of properties in related BCP applications: _____ ☐ Yes ☑ No

5. Property Description Narrative:

Lots 20 and 29 and their vicinity are believed to have been used historically for various industrial, commercial and residential purposes as far back as the early 1800s. The West 18th Street Gas Works, a Manufactured Gas Plant (MGP) owned by the predecessors-in-interest of the Consolidated Edison Company of New York, Inc., later used the two lots to support its nearby MGP operations. Lot 20 was used as a storage yard by the West 18th Street Gas Works from circa 1870 until the early 1900s and then sold in 1919. After such sale, a large garage was constructed on the 18th Street side that included buried gasoline tanks. In 1947, a private garage was built on the 19th Street side. Both garage structures, with a slab on grade foundation, still stand today on Lot 20 with the first floor used as an active garage and the second floor as an art gallery. Lot 29 was purchased for the 18th Street Gas Works circa 1848, upon which two open gas holders were constructed that were used until the early 1900s and razed in 1914. Lot 29 was sold in 1917, after which it served as a wagon yard, automobile parking lot, and commercial truck parking lot with a couple small structures and underground gasoline tanks for a filling station. Today, Lot 29 continues to serve as a parking lot.

6. List of Existing Easements (type here or attach information)

Easement Holder	Description
Egress Easement Agreement recorded 9/2/2010 in CRFN 2010000297359	
Telephone Easement Agreement recorded 5/16/1988	

7. List of Permits issued by the NYSDEC or USEPA Relating to the Proposed Site (type here or attach information)

Type	Issuing Agency	Description
None		

If any changes to Section II are required prior to application approval, a new page, initialed by each requestor, must be submitted.

Initials of each Requestor: _____ _____ _____ _____ _____ _____

Section III. Current Property Owner/Operator Information

OWNER'S NAME 18th Highline Associates, L.L.C.		
ADDRESS c/o The Related Companies, 60 Columbus Circle		
CITY/TOWN New York, NY	ZIP CODE 10023	
PHONE (212) 801-1000	FAX (212) 801-1066	E-MAIL fmonterisi@related.com
OPERATOR'S NAME See Attachment		
ADDRESS		
CITY/TOWN	ZIP CODE	
PHONE	FAX	E-MAIL

Section IV. Requestor Eligibility Information (Please refer to ECL § 27-1407)

If answering "yes" to any of the following questions, please provide an explanation as an attachment.

1. Are any enforcement actions pending against the requestor regarding this site? ☐ Yes ☑ No
2. Is the requestor subject to an existing order relating to contamination at the site? ☐ Yes ☑ No
3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? ☐ Yes ☑ No
4. Has the requestor been determined to have violated any provision of ECL Article 27? ☐ Yes ☑ No
5. Has the requestor previously been denied entry to the BCP? ☐ Yes ☑ No
6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving contaminants? ☐ Yes ☑ No
7. Has the requestor been convicted of a criminal offense that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration? ☐ Yes ☑ No
8. Has the requestor knowingly falsified or concealed material facts or knowingly submitted or made use of a false statement in a matter before the Department? ☐ Yes ☑ No
9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.9(f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? ☐ Yes ☑ No

Section V. Property Eligibility Information (Please refer to ECL § 27-1405)

1. Is the property, or was any portion of the property, listed on the National Priorities List? ☐ Yes ☑ No
   If yes, please provide relevant information as an attachment.
2. Is the property, or was any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites? ☐ Yes ☑ No
   If yes, please provide: Site #_____ Class # _____
3. Is the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? ☐ Yes ☑ No
   If yes, please provide: Permit type:_____ EPA ID Number:_____
   Date permit issued:_____ Permit expiration date:_____
4. Is the property subject to a cleanup order under navigation law Article 12 or ECL Article 17 Title 10? ☐ Yes ☑ No
   If yes, please provide: Order #_____
5. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? ☐ Yes ☑ No
   If yes, please provide explanation as an attachment.

Section VI. Project Description

What stage is the project starting at? ☐ Investigation ☑ Remediation

Please attach a description of the project which includes the following components:

- Purpose and scope of the project
- Estimated project schedule

Section VII. Property's Environmental History

To the extent that existing information/studies/reports are available to the requestor, please attach the following:

1. **Environmental Reports**

A Phase I environmental site assessment report prepared in accordance with ASTM E 1527 (American Society for Testing and Materials: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process), and all environmental reports related to contaminants on or emanating from the site.

If a final investigation report is included, indicate whether it meets the requirements of ECL Article 27-1415(2): ☑Yes ☐No

2. SAMPLING DATA: INDICATE KNOWN CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN TO HAVE BEEN AFFECTED. LABORATORY REPORTS SHOULD BE REFERENCED AND COPIES INCLUDED.

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum	x	X			
Chlorinated Solvents					
Other VOCs	x	X			
SVOCs	x				
Metals	x				
Pesticides					
PCBs					
Other*	X				

*Please describe: MGP related contamination (e.g. coal tar) on Lot 29 related to holders. See attached soil results table.

3. SUSPECTED CONTAMINANTS: INDICATE SUSPECTED CONTAMINANTS AND THE MEDIA WHICH MAY HAVE BEEN AFFECTED. PROVIDE BASIS FOR ANSWER AS AN ATTACHMENT.

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum					X
Chlorinated Solvents					
Other VOCs					X
SVOCs					
Metals					
Pesticides					
PCBs					
Other*					

*Please describe: _____

4. INDICATE KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS (CHECK ALL THAT APPLY). PROVIDE BASIS FOR ANSWER AS AN ATTACHMENT.

☑Above Ground Pipeline or Tank ☐Lagoons or Ponds ☑Underground Pipeline or Tank ☐Surface Spill or Discharge
☐Routine Industrial Operations ☐Dumping or Burial of Wastes ☐Septic tank/lateral field ☐Adjacent Property
☐Drums or Storage Containers ☐Seepage Pit or Dry Well ☐Foundry Sand ☐Electroplating
☑Coal Gas Manufacture ☐Industrial Accident ☐Unknown

Other: Explanation for "Coal Gas Manufacture" above: is related to holders on Lot 29

5. INDICATE PAST LAND USES (CHECK ALL THAT APPLY):

☑Coal Gas Manufacturing ☐Manufacturing ☐Agricultural Co-op ☐Dry Cleaner ☐Salvage Yard ☐Bulk Plant
☐Pipeline ☑Service Station ☐Landfill ☐Tannery ☐Electroplating ☐Unknown

Other: Explanation for "Coal Gas Manufacture" above: is related to holders on Lot 29; Automobile parking garage (Lot 20) and automobile/commercial truck parking lot (Lot 29)

6. PROVIDE A LIST OF PREVIOUS PROPERTY OWNERS AND OPERATORS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBERS AS AN ATTACHMENT. DESCRIBE REQUESTOR'S RELATIONSHIP, IF ANY, TO EACH PREVIOUS OWNER AND OPERATOR. IF NO RELATIONSHIP, PUT "NONE".

Section VIII. Contact List Information

Please attach, at a minimum, the names and addresses of the following:

1. The chief executive officer and planning board chairperson of each county, city, town and village in which the property is located.
2. Residents, owners, and occupants of the property and properties adjacent to the property.
3. Local news media from which the community typically obtains information.
4. The public water supplier which services the area in which the property is located.
5. Any person who has requested to be placed on the contact list.
6. The administrator of any school or day care facility located on or near the property.
7. In cities with a population of one million or more, the local community board if the proposed site is located within such community board's boundaries (*note: per the 2010 census, New York City is the only city in NY with a population over one million).
8. The location of a document repository for the project (e.g., local library). In addition, attach a copy of a letter sent to the repository acknowledging that it agrees to act as the document repository for the property.

Section IX. Land Use Factors (Please refer to ECL § 27-1415(3))

1. Current Use: ☐Residential ☑Commercial ☐Industrial ☐Vacant ☐Recreational (check all that apply)
Provide summary of business operations as an attachment.

2. Intended Use Post Remediation: ☐Unrestricted ☑Residential ☑Commercial ☐Industrial (check all that apply)
Provide specifics as an attachment.

3. Do current historical and/or recent development patterns support the proposed use? (See #14 below re: discussion of area land uses)	☑Yes ☐No
4. Is the proposed use consistent with applicable zoning laws/maps?	☑Yes ☐No
5. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, designated Brownfield Opportunity Area plans, other adopted land use plans?	☑Yes ☐No
6. Are there any Environmental Justice Concerns? (See §27-1415(3)(p)).	☐Yes ☑No
7. Are there any federal or state land use designations relating to this site?	☐Yes ☑No
8. Do the population growth patterns and projections support the proposed use?	☑Yes ☐No
9. Is the property accessible to existing infrastructure?	☑Yes ☐No
10. Are there important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile?	☑Yes ☐No
11. Are there important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species within ½ mile?	☑Yes ☐No
12. Are there floodplains within ½ mile?	☑Yes ☐No
13. Are there any institutional controls currently applicable to the property?	☐Yes ☑No

14. Describe the proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas in an attachment.

15. Describe the potential vulnerability of groundwater to contamination that might migrate from the property, including proximity to wellhead protection and groundwater recharge areas in an attachment.

16. Describe the geography and geology of the site in an attachment.

Section X. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am Vice President (title) of 18th Highline Associates, LLC. (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 4-9-15 Signature: _____ Print Name: FRANK MONTONI

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- **Two (2)** copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD, must be sent to:

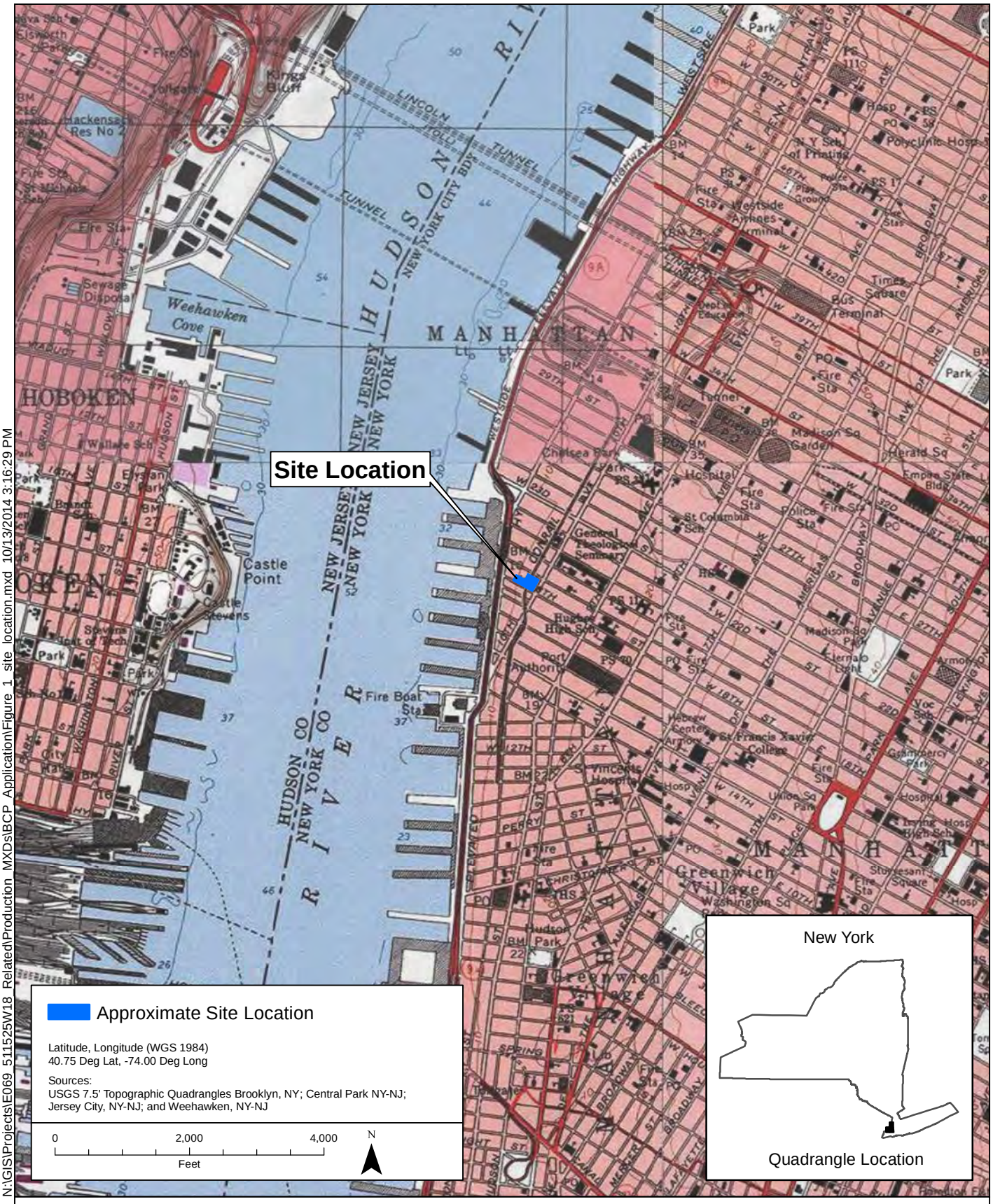
  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway
  Albany, NY 12233-7020

- **One (1)** paper copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices.

FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

FIGURES



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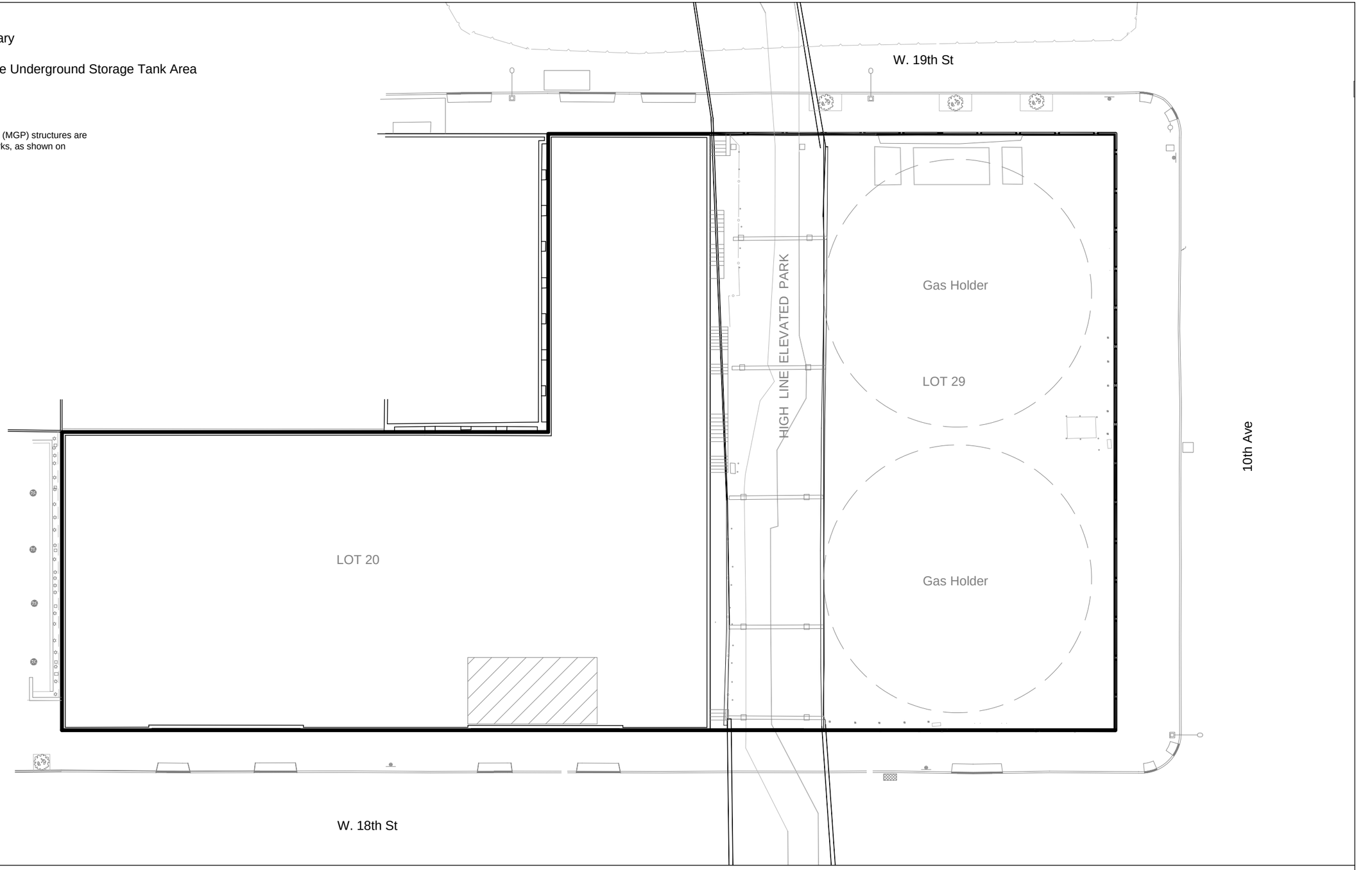
New York, New York 10006
www.integral-corp.com

Figure 1.
Site Location Map
515 West 18th Street
New York, New York 10011

Site Boundary

Approximate Underground Storage Tank Area

Note:
1. Former manufactured gas plant (MGP) structures are from West 18th Street Gas Works, as shown on Sanborn maps dated 1895.



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integral engineering p.c.
61 BROADWAY, SUITE 1601
NEW YORK, NEW YORK 10006
www.integral-corp.com

0 15 30
Feet

N

Basemap Source: Architectural Survey, Fehringer Surveying, P.C., 511 West 18th Street, July 29, 2014.

Figure 2.
Site Plan
515 West 18th Street
New York, New York 10011

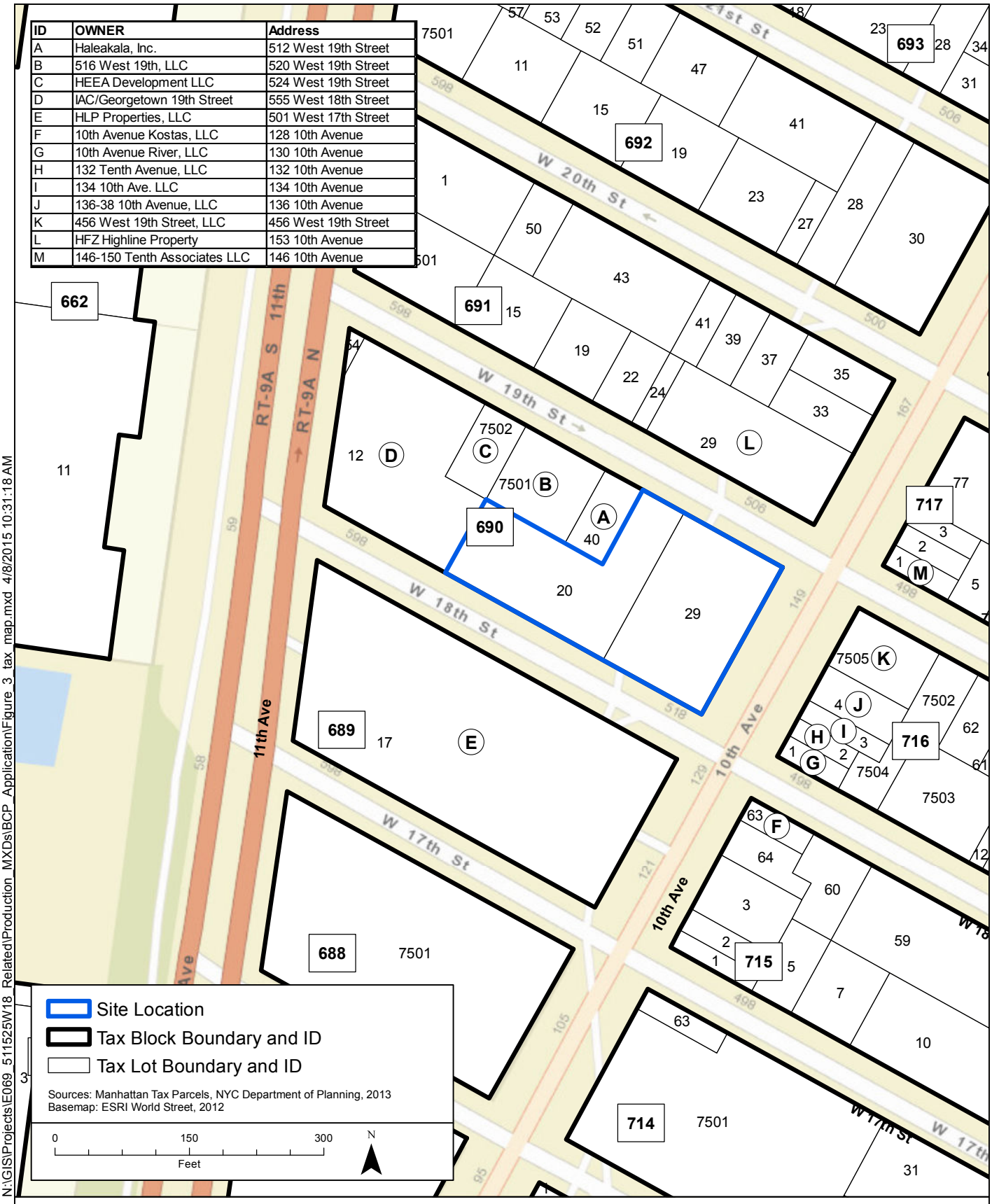

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Figure 3.
Tax Map and Adjacent Property Owners
515 West 18th Street
Manhattan, New York 10011

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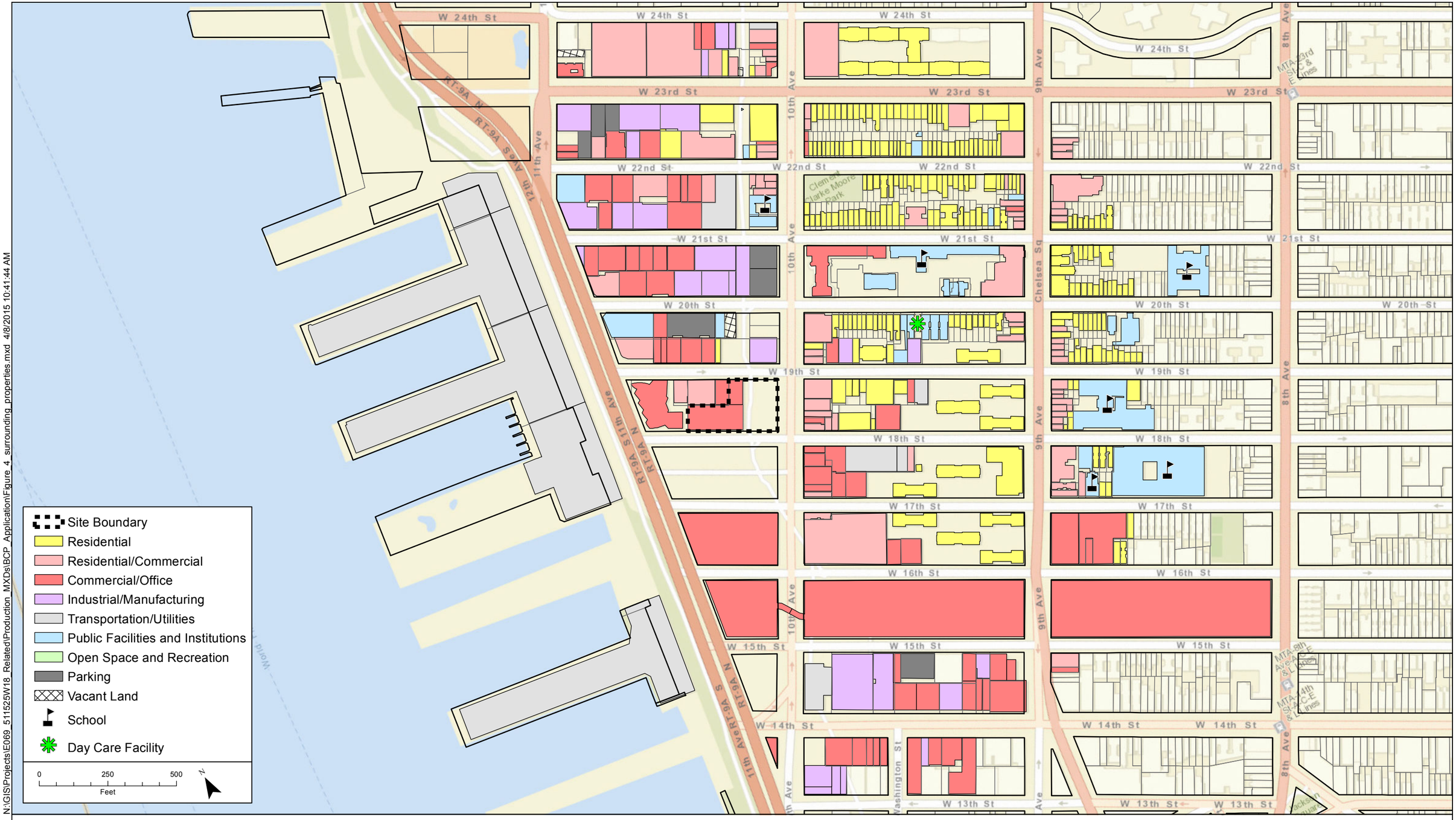

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Figure 4.
Surrounding Properties
515 West 18th Street
New York, New York 10011

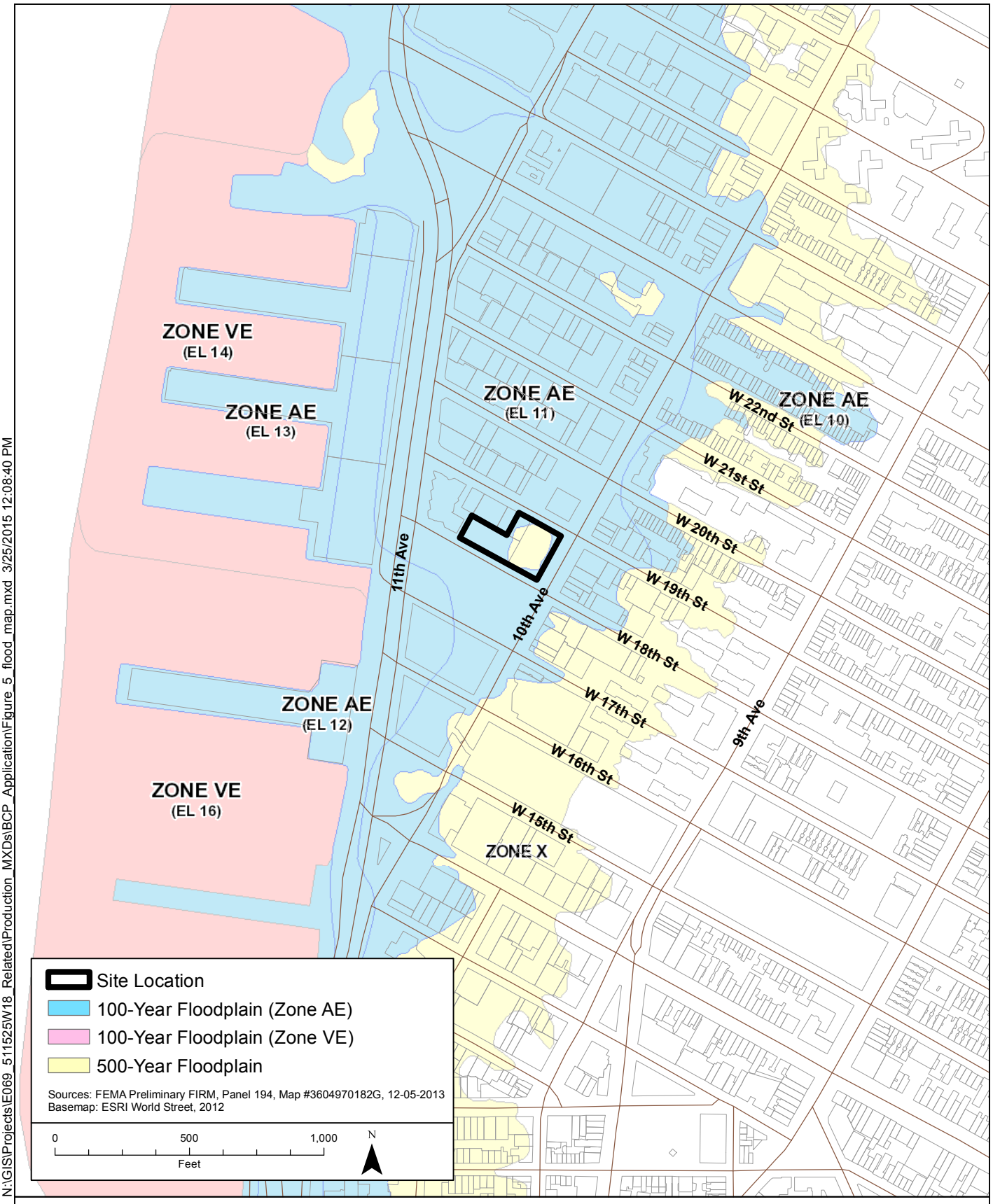

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Figure 5.
FEMA Flood Zone Map
515 West 18th Street
Manhattan, New York 10011

Site Boundary

Monitoring Well (TRC 2005)

Monitoring Well (Arcadis 2006-2007)

Monitoring Well/Soil Boring (Arcadis 2006-2007)

Soil Boring (TRC 2005)

Soil Boring (Arcadis 2006-2007)

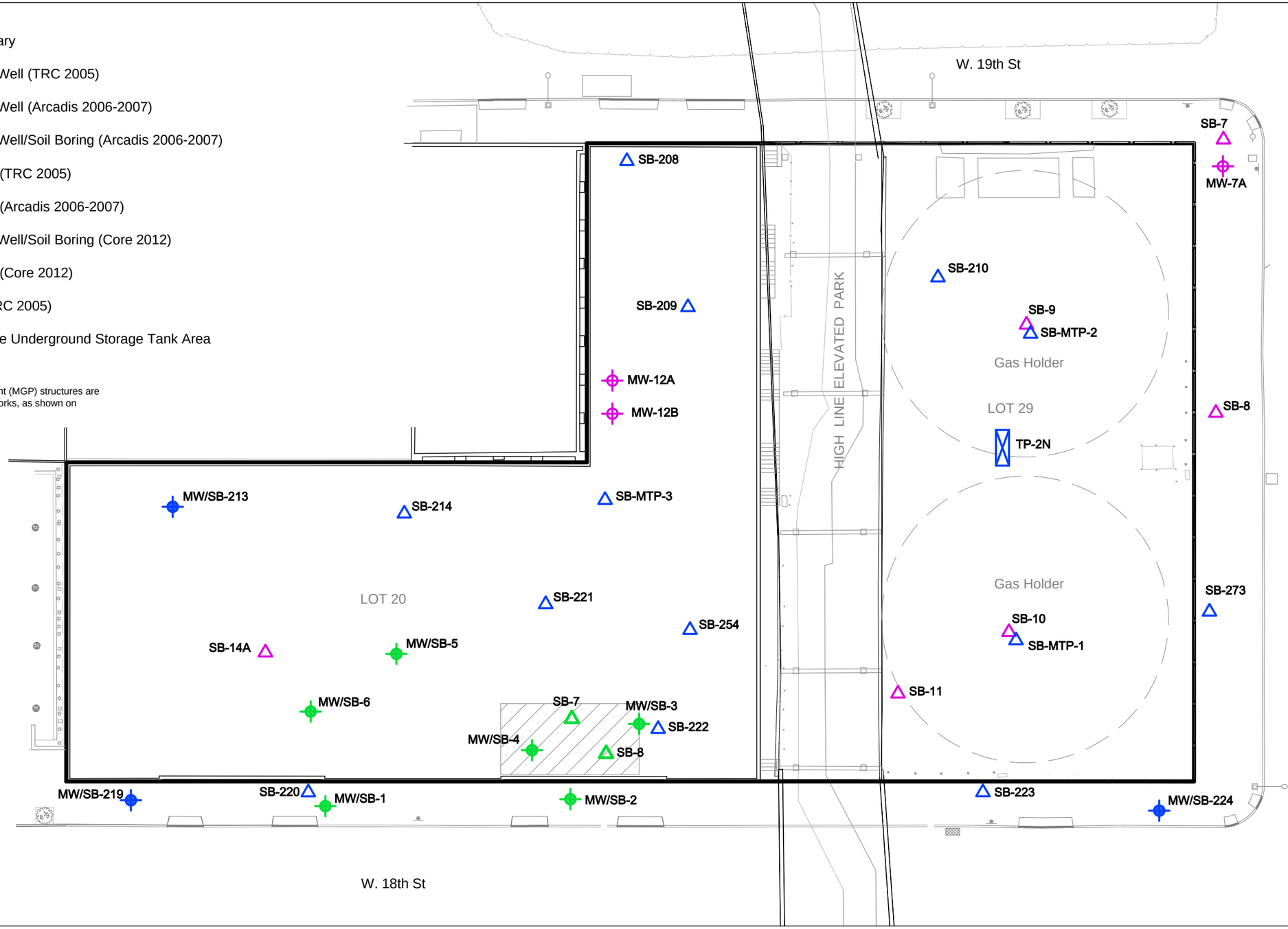
Monitoring Well/Soil Boring (Core 2012)

Soil Boring (Core 2012)

Test Pit (TRC 2005)

Approximate Underground Storage Tank Area

Note:
1. Former manufactured gas plant (MGP) structures are from West 18th Street Gas Works, as shown on Sanborn maps dated 1895.



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NEW YORK, NEW YORK 10006
www.integral-corp.com

0 15 30
Feet

N

Basemap Source: Architectural Survey, Fehringer Surveying, P.C., 511 West 18th Street, July 29, 2014.

Figure 6.
Previous Sampling Locations
515 West 18th Street
New York, New York 10011

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Site Boundary

Monitoring Well (TRC 2005)

Monitoring Well (Arcadis 2006-2007)

Monitoring Well/Soil Boring (Arcadis 2006-2007)

Soil Boring (TRC 2005)

Soil Boring (Arcadis 2006-2007)

Monitoring Well/Soil Boring (Core 2012)

Soil Boring (Core 2012)

Test Pit (TRC 2005)

TLM/OLM

Sheen/Staining

Odor

Approximate Underground Storage Tank Area

Notes:
1. Former manufactured gas plant (MGP) structures are from West 18th Street Gas Works, as shown on Sanborn maps dated 1895.
2. TLM = Tar-like Material
3. OLM = Oil-like Material

W. 19th St

W. 18th St

10th Ave

HIGH LINE ELEVATED PARK

Gas Holder

LOT 20

LOT 29

SB-208

SB-209

MW-12A

MW-12B

SB-MTP-3

MW/SB-213

SB-214
5 - 12.5 ft

SB-7
19 - 35 ft

MW-7A
7 - 17 ft

SB-210
4 - 17 ft

SB-9
1 - 6 ft
22 - 28 ft

SB-MTP-2
5 - 20 ft

SB-8
1 - 15 ft

TP-2N

SB-273
15 - 20 ft

SB-10
1 - 34 ft

SB-MTP-1
18 - 18.5 ft

SB-11
15 - 13 ft
23 - 29 ft

SB-221
15 - 13 ft

SB-254

SB-14A
1 - 19 ft

MW/SB-5
9 - 9.5 ft

MW/SB-6
10 - 10.5 ft

SB-7
7 - 8 ft

MW/SB-4
7 - 8 ft

MW/SB-3
6 - 6.5 ft

SB-222
15.5 - 18.5 ft

SB-8

MW/SB-219
5.5 - 6.5 ft

SB-220
6.5 - 20.5 ft

MW/SB-1
8 - 9 ft

MW/SB-2
8 - 9 ft

SB-223
13 - 28 ft

MW/SB-224
33 - 37.5 ft

N:\GIS\Projects\E069_511525W18_Related\CAD\Production Drawings\BCP_Application\Figures_2_5_site_plan.dwg 3/19/2015 9:44:00 AM

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0 15 30
Feet

N

Basemap Source: Architectural Survey, Fehringer Surveying, P.C., 511 West 18th Street, July 29, 2014.

Figure 7.
Field Observations
515 West 18th Street
New York, New York 10011

Site Boundary

Monitoring Well (TRC 2005)

Monitoring Well (Arcadis 2006-2007)

Monitoring Well/Soil Boring (Arcadis 2006-2007)

Monitoring Well/Soil Boring (Core 2012)

Approximate Underground Storage Tank Area

Sample ID	
Date	TOGS Class GA Standards*
Analyte	
VOCs	µg/L
Benzene	1
1,2,4-Trimethylbenzene	5
Ethlybenzene	5
Isopropylbenzene	5
Methylene Chloride	5
n-Propylbenzene	5
sec-Butylbenzene	5
o-Xylene	5
p-m Xylene	5
SVOCs	
2-Methylnaphthalene	--
Bis(2-ethylhexyl)phthalate	5

Notes:
1. *NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, Class GA Ambient Water Quality Standards and Guidance Values
2. All results are in µg/L
3. ND = Not Detected
4. NR = Not Reported
5. -- = No Standard
6. **Bolded** and Shaded indicates an exceedance of Class GA Standards
7. No data was available for MW-213
8. All locations are approximate
9. VOCs = Volatile Organic Compounds
10. SVOCs = Semi-Volatile Organic Compounds
11. Former manufactured gas plant (MGP) structures are from West 18th Street Gas Works, as shown on Sanborn maps dated 1895.

MW-5	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	**30**
1,2,4-Trimethylbenzene	ND
Ethlybenzene	2.5 J
Isopropylbenzene	**6.1**
Methylene Chloride	3.5 JB
n-Propylbenzene	**6.3**
sec-Butylbenzene	1.8 J
o-Xylene	1.6 J
p-m Xylene	1.6 J
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	58.2

MW-12B	
Date	10/11/2005 (TRC)
VOCs	Total
Benzene	**65**
1,2,4-Trimethylbenzene	NR
Ethlybenzene	ND
Isopropylbenzene	ND
Methylene Chloride	ND
n-Propylbenzene	NR
sec-Butylbenzene	NR
o-Xylene	ND
p-m Xylene	ND
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	ND

MW-12A	
Date	10/11/2005 (TRC)
VOCs	Total
Benzene	**1.2 J**
1,2,4-Trimethylbenzene	NR
Ethlybenzene	ND
Isopropylbenzene	ND
Methylene Chloride	ND
n-Propylbenzene	NR
sec-Butylbenzene	NR
o-Xylene	ND
p-m Xylene	ND
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	ND

MW-7A		
Date	10/11/2005 (TRC)	02/06/2012 (CORE)
VOCs	Total	Total
Benzene	**20**	**23**
1,2,4-Trimethylbenzene	NR	ND
Ethlybenzene	ND	ND
Isopropylbenzene	2.3 J	0.87 J
Methylene Chloride	ND	4.6 JB
n-Propylbenzene	NR	ND
sec-Butylbenzene	NR	ND
o-Xylene	ND	ND
p-m Xylene	ND	ND
SVOCs		
2-Methylnaphthalene	ND	ND
Bis(2-ethylhexyl)phthalate	ND	ND

MW-6	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	**16**
1,2,4-Trimethylbenzene	1.1 J
Ethlybenzene	2.2 J
Isopropylbenzene	**11**
Methylene Chloride	3.4 JB
n-Propylbenzene	**10**
sec-Butylbenzene	3.4 JB
o-Xylene	1.4
p-m Xylene	1.9
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	ND

MW-224	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	**32**
1,2,4-Trimethylbenzene	1.2 J
Ethlybenzene	ND
Isopropylbenzene	**21**
Methylene Chloride	2.3 JB
n-Propylbenzene	**39**
sec-Butylbenzene	**5.2**
o-Xylene	1.2 J
p-m Xylene	3.2 J
SVOCs	
2-Methylnaphthalene	17.8
Bis(2-ethylhexyl)phthalate	ND

MW-219	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	ND
1,2,4-Trimethylbenzene	ND
Ethlybenzene	ND
Isopropylbenzene	ND
Methylene Chloride	ND
n-Propylbenzene	ND
sec-Butylbenzene	ND
o-Xylene	ND
p-m Xylene	ND
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	ND

MW-1	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	**50**
1,2,4-Trimethylbenzene	ND
Ethlybenzene	ND
Isopropylbenzene	**24 J**
Methylene Chloride	**44 JB**
n-Propylbenzene	**22 J**
sec-Butylbenzene	ND
o-Xylene	ND
p-m Xylene	ND
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	16

MW-4	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	**83**
1,2,4-Trimethylbenzene	ND
Ethlybenzene	3.4 J
Isopropylbenzene	1.6
Methylene Chloride	4.3 JB
n-Propylbenzene	ND
sec-Butylbenzene	ND
o-Xylene	1.9 J
p-m Xylene	2.7 J
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	ND

MW-2	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	**350**
1,2,4-Trimethylbenzene	0.94 J
Ethlybenzene	1.6 J
Isopropylbenzene	**10**
Methylene Chloride	4.3 JB
n-Propylbenzene	**11**
sec-Butylbenzene	1.8 J
o-Xylene	1.2 J
p-m Xylene	4.1 J
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	634

MW-3	
Date	02/06/12 (CORE)
VOCs	Total
Benzene	**120**
1,2,4-Trimethylbenzene	**8.2**
Ethlybenzene	8
Isopropylbenzene	2 J
Methylene Chloride	4 JB
n-Propylbenzene	1.9 J
sec-Butylbenzene	ND
o-Xylene	**7.9**
p-m Xylene	**17**
SVOCs	
2-Methylnaphthalene	ND
Bis(2-ethylhexyl)phthalate	ND

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0 20 40
Feet

N

Basemap Source: Architectural Survey, Fehringer Surveying, P.C., 511 West 18th Street, July 29, 2014.

Figure 8.
Groundwater Analytical Results Map
Previous Investigations (VOCs and SVOCs)
515 West 18th Street
New York, New York 10011

Tables

Table 1: VOCs Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO -Protection of Groundwater	MTP-1	MTP-1	MTP-1	MTP-1	MTP-2	MTP-2	MTP-2	MTP-2	MTP-3	MTP-3	SB-208	SB-208	SB-208	SB-209	SB-209	SB-209	SB-210	SB-210
Sample Depth(Feet):			3 - 4	8 - 9	19 - 20	23 - 24	9 - 10	18 - 19	22 - 23	24 - 25	8 - 9	24 - 25	2 - 3	9.5 - 10	19 - 20	9.4 - 10	11 - 13	19 - 20	7 - 9	11 - 13
Date Collected:			02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	03/03/07	03/03/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	12/16/06	12/16/06
Sampled By:			ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
Volatile Organics																				
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	100	0.12	**0.83 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.46 J**	ND	ND
2-Hexanone	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	0.05	ND	ND	**0.11 J**	**0.15 J**	ND	ND	ND	0.032 J	ND	ND	0.025 J	ND	ND	**0.067**	**0.053**	ND	ND	ND
Benzene	4.8	0.06	**0.29**	**0.31 J**	0.015	0.0028 J	0.0007 J	**16**	0.0088	0.001 J	ND	**6.7**	0.0006 J	ND	**0.86**	0.0022 J	0.021	**2.1**	0.0011 J	0.0025 J
Carbon Disulfide	- -	- -	ND	ND	ND	ND	ND	ND	ND	0.0010 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0007 J
Chlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	49	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	1	0.72	**20**	0.0012 J	0.002 J	ND	**85**		0.0052 J	ND	ND	ND	ND	ND	ND	ND	**2.4**	ND	ND
Isopropylbenzene	- -	- -	0.13 J	7.4	0.0029 J	ND	ND	7.4	0.0035 J	ND	ND	ND	ND	ND	ND	ND	0.0018 J	ND	ND	ND
Methyl Acetate	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	100	0.93	0.17 J	**0.95 J**	0.0063 J	0.0051 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	- -	- -	0.39	4.5	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0021 J	ND	ND	ND	ND	ND	ND	ND
m-Xylene & p-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	100	0.7	ND	**3.9**	0.0032 J	0.0023 J	0.0008 J	**24**	0.013	0.0020 J	0.0007 J	0.27 J	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	100	1.6	**3.8**	**110**	0.0075 J	0.0084 J	ND	**230**	0.076	0.014 J	ND	ND	ND	ND	ND	ND	ND	**2.0**	ND	ND
1,1-Dichloroethane	26	0.27	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-Trichlorotrifluoroethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-Tetrachloroethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dibromoethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichlorobenzene	100	1.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dibromo-3-Chloropropane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	49	2.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromodichloromethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromoform	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	2.4	0.76	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
cis-1,3-Dichloropropene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibromochloromethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
t-1,3-Dichloropropene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
trans-1,2-Dichloroethene	100	0.19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
cis-1,3 Dichloropropylene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibromomethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Napthalene (v)	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 1: VOCs Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO -Protection of Groundwater	MTP-1	MTP-1	MTP-1	MTP-1	MTP-2	MTP-2	MTP-2	MTP-2	MTP-3	MTP-3	SB-208	SB-208	SB-208	SB-209	SB-209	SB-209	SB-210	SB-210
Sample Depth(Feet):			3 - 4	8 - 9	19 - 20	23 - 24	9 - 10	18 - 19	22 - 23	24 - 25	8 - 9	24 - 25	2 - 3	9.5 - 10	19 - 20	9.4 - 10	11 - 13	19 - 20	7 - 9	11 - 13
Date Collected:			02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	03/03/07	03/03/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	12/16/06	12/16/06
Sampled By:			ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
p-Isopropyltoluene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-Butylbenzene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
tert-Butylbenzene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
traNA-1,3 Dichloropropylene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichloroethylene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	0.9	0.02	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

B-Dil = Detected in method blank(s) associated with sample analysis

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 1: VOCs Detected in Soil

Location ID:	SB-210	SB-210	SB-210	MW/SB-213	MW/SB-213	SB-214	SB-214	SB-220	SB-220	SB-221	SB-221	SB-221	SB-221	SB-222	SB-222	SB-222	SB-222	SB-223	SB-223	SB-223	SB-223
Sample Depth(Feet):	21 - 23	25 - 27	36 - 37	8 - 9	19 - 20	11 - 13	19 - 20	7.5 - 8	21 - 21.5	2 - 4	6 - 8	9.5 - 10	24 - 25	1 - 3	7.5 - 8.5	15 - 17	19 - 20	12.5 - 13	17.5 - 18	28 - 28.5	32 - 32.5
Date Collected:	12/16/06	12/16/06	12/16/06	02/10/07	02/10/07	01/21/07	01/21/07	10/16/06	10/16/06	01/20/07	01/20/07	01/20/07	01/20/07	01/21/07	01/21/07	01/21/07	01/21/07	10/13/06	10/13/06	10/13/06	10/13/06
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
Volatile Organics																					
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.47 J**	ND	ND	ND	**1.4**	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.024 J	0.025 J	ND	ND	**0.074 J**	**0.056**	**0.061**	**0.35 J**	ND	ND	ND	**0.067**	ND	ND	0.019	ND	ND	**0.59 J**	ND	ND	ND
Benzene	0.044	0.0079	0.0068	ND	0.021	0.0021 J	ND	ND	ND	ND	ND	0.0014 J	**0.71**	**0.39 J**	0.0021 J	**0.72**	**4.4**	ND	**3.2**	**0.074**	0.0014 J
Carbon Disulfide	ND	ND	ND	ND	ND	ND	0.0070 J	ND	ND	ND	ND	ND	ND	ND	0.0007 J	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	0.56 J	0.015	ND	ND	ND	0.20	ND	NA	NA	NA	NA
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Ethylbenzene	0.0051 J	ND	ND	0.0063	0.012	ND	ND	ND	ND	ND	ND	ND	0.69	**17**	0.0038 J	0.024 J	**1.5**	ND	**2.2**	0.078	ND
Isopropylbenzene	ND	ND	ND	0.0014 J	ND	ND	ND	NA	NA	ND	3.0	0.031	ND	ND	0.0022 J	0.13	ND	NA	NA	NA	NA
Methyl Acetate	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
Methyl tert-butyl ether	0.0014 J	0.0008 J	ND	ND	0.0060 J	ND	ND	NA	NA	ND	ND	0.0010 J	ND	ND	ND	0.011 J	0.12 J	NA	NA	NA	NA
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	5.3	0.068	ND	17	0.0034 J	0.17	ND	NA	NA	NA	NA
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0017 J	ND	ND	ND	ND	ND	ND	**0.13 J**	ND	ND	ND	ND
m-Xylene & p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0017 J	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	0.0018 J	0.011	ND	ND	ND	ND	ND	**2.5**	ND	0.14 J	**1.0 J**	ND	0.0064 J	0.57	0.34 J	0.21 J	0.0071	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	0.0058 J	ND	ND	0.019	0.051	ND	ND	0.13 J	ND	ND	ND	ND	0.68	**160**	0.031	0.073 J	1.3	ND	**2.5**	0.050	ND
1,1-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2-Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1,2,2-Tetrachloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dibromoethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dibromo-3-Chloropropane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromodichloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromoform	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
cis-1,3-Dichloropropene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibromochloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
t-1,3-Dichloropropene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
trans-1,2-Dichloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichlorofluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
cis-1,3 Dichloropropylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Napthalene (v)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 1: VOCs Detected in Soil

Location ID:	SB-210	SB-210	SB-210	MW/SB-213	MW/SB-213	SB-214	SB-214	SB-220	SB-220	SB-221	SB-221	SB-221	SB-221	SB-222	SB-222	SB-222	SB-222	SB-223	SB-223	SB-223	SB-223
Sample Depth(Feet):	21 - 23	25 - 27	36 - 37	8 - 9	19 - 20	11 - 13	19 - 20	7.5 - 8	21 - 21.5	2 - 4	6 - 8	9.5 - 10	24 - 25	1 - 3	7.5 - 8.5	15 - 17	19 - 20	12.5 - 13	17.5 - 18	28 - 28.5	32 - 32.5
Date Collected:	12/16/06	12/16/06	12/16/06	02/10/07	02/10/07	01/21/07	01/21/07	10/16/06	10/16/06	01/20/07	01/20/07	01/20/07	01/20/07	01/21/07	01/21/07	01/21/07	01/21/07	10/13/06	10/13/06	10/13/06	10/13/06
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
tert-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
traNA-1,3 Dichloropropylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trichloroethylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

B-Dil = Detected in method blank(s) associated with sample analysis

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 1: VOCs Detected in Soil

Location ID:	MW/SB-224	MW/SB-224	MW/SB-224	SB-254	SB-254	TP2	SB-7	SB-7	SB-7	SB-7	MW-7A	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9	SB-9	SB-10	SB-10
Sample Depth(Feet):	8 - 8.5	34.5 - 35	37.5 - 38	8 - 9	19 - 20	10-11	6-7	17-19	27-29	43-45	6-7	4-5	11-11.5	14.5-15	4-5	8-10	20-22	26-28	32-34	5-6	6-8
Date Collected:	10/12/06	10/12/06	10/12/06	03/03/07	03/03/07	09/12/04	07/09/04	08/09/04	08/09/04	08/09/04	07/09/04	07/09/04	08/11/04	08/11/04	09/12/04	09/18/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC
Volatile Organics																					
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0062	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0031	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.038**	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0041	ND	ND	ND	ND
1,4-Dichlorobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0043	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.028	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.039	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND
Acetone	**0.11 J**	ND	ND	ND	ND	0.032 J	ND	ND	ND	ND	0.044	0.043	0.041 UB	**0.230 BJ**	0.030 J	**0.054 J**	**0.092**	0.014 J	0.010 J	ND	ND
Benzene	ND	ND	ND	ND	**0.16**	0.049	ND	ND	ND	ND	ND	ND	0.044	0.011 J	ND	0.009	**0.88**	0.006	ND	ND	**4.6 J**
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0018 J	0.0012	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0043	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0029	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0041	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0043	ND	ND	ND	ND
Cyclohexane	NA	NA	NA	ND	ND	0.0042 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0035 J	0.075	ND	ND	ND	17 J
Dichlorodifluoromethane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND	ND	ND
Ethylbenzene	0.0053 J	**25**	0.0079	ND	0.17	ND	ND	ND	ND	ND	ND	ND	0.022 J	ND	ND	ND	**9.1**	0.011	ND	**7.70**	**53**
Isopropylbenzene	NA	NA	NA	ND	ND	0.0027 J	ND	ND	ND	ND	ND	ND	0.37	0.030 J	ND	0.0014 J	1.4	0.0016 J	ND	2.20	13
Methyl Acetate	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0160	ND	ND	ND	ND
Methyl tert-butyl ether	NA	NA	NA	ND	0.048	0.069 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0028	0.0041 J	0.0013 J	ND	ND
Methylcyclohexane	NA	NA	NA	ND	ND	0.0039 J	ND	ND	ND	ND	ND	ND	.94 J	ND	ND	0.019	0.1800	ND	ND	0.460 J	24
Methylene Chloride	ND	ND	ND	ND	ND	ND	0.0053 J	ND	ND	ND	0.011 J	0.0025 J	ND	ND	ND	0.0012 J	0.0150	ND	0.0016 J	ND	ND
m-Xylene & p-Xylene	NA	NA	NA	NA	NA	0.0061	ND	ND	ND	ND	ND	ND	ND	ND	0.0031 J	ND	0.0063	ND	ND	38	250
o-Xylene	NA	NA	NA	NA	NA	0.0031 J	ND	ND	ND	ND	ND	ND	ND	ND	0.0013 J	ND	1.4	0.0032 J	ND	18	100
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0039	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004 J	ND	ND	0.0078	ND	ND	ND	ND
Toluene	ND	**0.86 J**	ND	0.0014 J	0.0052 J	0.0019 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0017 J	**0.7700**	ND	ND	**2.6**	**74**
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0040	ND	ND	ND	ND
Xylenes (total)	0.0031 J	**40**	0.014	ND	0.14	0.0092	ND	ND	ND	ND	ND	ND	ND	ND	0.0044	ND	1.4063	0.0032	ND	**56**	**350**
1,1-Dichloroethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0044	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0057	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0065	ND	ND	ND	ND
1,2-Dibromoethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0051	ND	ND	ND	ND
1,2-Dichlorobenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0084	ND	ND	ND	ND
1,3-Dichlorobenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND	ND
Bromodichloromethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0041	ND	ND	ND	ND
Bromoform	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0037	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0037	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0065	ND	ND	ND	ND
cis-1,3-Dichloropropene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	ND	ND	ND
Dibromochloromethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0036	ND	ND	ND	ND
t-1,3-Dichloropropene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0032	ND	ND	ND	ND
trans-1,2-Dichloroethene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0046	ND	ND	ND	ND
Trichlorofluoromethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND
cis-1,3 Dichloropropylene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromomethane	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Napthalene (v)	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1: VOCs Detected in Soil

Location ID:	MW/SB-224	MW/SB-224	MW/SB-224	SB-254	SB-254	TP2	SB-7	SB-7	SB-7	SB-7	MW-7A	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9	SB-9	SB-10	SB-10
Sample Depth(Feet):	8 - 8.5	34.5 - 35	37.5 - 38	8 - 9	19 - 20	10-11	6-7	17-19	27-29	43-45	6-7	4-5	11-11.5	14.5-15	4-5	8-10	20-22	26-28	32-34	5-6	6-8
Date Collected:	10/12/06	10/12/06	10/12/06	03/03/07	03/03/07	09/12/04	07/09/04	08/09/04	08/09/04	08/09/04	07/09/04	07/09/04	08/11/04	08/11/04	09/12/04	09/18/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC
p-Isopropyltoluene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
traNA-1,3 Dichloropropylene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NR	NR	NR	NR	NR	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

B-Dil = Detected in method blank(s) associated with sample analysis

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 1: VOCs Detected in Soil

Location ID:	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-11	SB-11	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
Sample Depth(Feet):	8-10	20-22	48-50	5-6	13-15	27-29	35-37	37-39	8-9	8-9	6-6.5	7-8	9-9.5	10-10.5	7-8	8-9
Date Collected:	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04	09/18/04	1/23/12	1/23/12	1/25/12	1/27/12	1/26/12	1/26/12	1/27/12	1/27/12
Sampled By:	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	CORE	CORE	CORE	CORE	CORE	CORE	CORE	CORE
Volatile Organics																
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	ND	ND	ND	ND	**0.057 J**	0.120 J	0.024 J	0.013 J	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	**7.2**	**0.064**	ND	ND	0.0015 J	**26 D**	0.0073	ND	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	ND	ND	ND	ND	ND	0.030 J	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	13 J	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**24**	0.049 J	ND	0.31	0.0019 J	**18 D**	ND	0.0015 J	ND	ND	**7.4**	ND	ND	0.011 J	ND	ND
Isopropylbenzene	6	ND	ND	0.14	0.0063	1.1 J	ND	ND	ND	ND	2.3	0.140 J	4.9	0.11	ND	ND
Methyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert-butyl ether	ND	0.280	0.0022 J	ND	0.012	0.540 J	0.0029 J	0.0028 J	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	21	ND	ND	ND	0.094	0.570 J	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	ND	ND	ND	ND	ND	0.014 J	0.0023 J	0.0017 J	**0.690 JB**	**0.620 JB**	**1.20 JB**	**0.570 JB**	**3.0 JB**	0.0062 B-Dil JB	**0.062 JB**	**0.015 JB**
m-Xylene & p-Xylene	92	0.190	ND	1.5	0.0057 J	ND	ND	ND	ND	ND	48	2 J	ND	0.128 J	0.01 J	ND
o-Xylene	35	0.086	ND	0.52	0.010	11 D	ND	0.0012 J	ND	ND	20	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND
Toluene	**37**	0.033 J	ND	ND	ND	**15 D**	0.0031 J	ND	ND	ND	**1.2 JB**	ND	ND	0.019 J	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	**127**	0.276	ND	**2.02**	0.0157	**11.0064**	ND	0.0012	ND	ND	**68**	0.2 J	ND	0.028 J	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichlorotrifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3 Dichloropropylene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene (v)	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	20	ND	ND	ND	0.011 J	ND
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	0.57	0.25	5.9	0.44 J	3.9	0.063	0.0095 J	ND
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.098 J	5.5	0.150 J	7.1 J	0.12	ND	ND

Table 1: VOCs Detected in Soil

Location ID:	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-11	SB-11	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
Sample Depth(Feet):	8-10	20-22	48-50	5-6	13-15	27-29	35-37	37-39	8-9	8-9	6-6.5	7-8	9-9.5	10-10.5	7-8	8-9
Date Collected:	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04	09/18/04	1/23/12	1/23/12	1/25/12	1/27/12	1/26/12	1/26/12	1/27/12	1/27/12
Sampled By:	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	CORE	CORE	CORE	CORE	CORE	CORE	CORE	CORE
p-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	1.3 J	ND	ND	0.025 J	ND	ND
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	0.96	0.110 J	1.4	0.360 J	3	0.069	ND	ND
tert-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
traNA-1,3 Dichloropropylene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

B-Dil = Detected in method blank(s) associated with sample analysis

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 2: SVOCs Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO -Protection of Groundwater	MTP-1	MTP-1	MTP-1	MTP-1	MTP-2	MTP-2	MTP-2	MTP-2	MTP-3	MTP-3	SB-208	SB-208	SB-208	SB-209	SB-209	SB-209	SB-210	SB-210
Sample Depth(Feet):			3 - 4	8 - 9	19 - 20	23 - 24	9 - 10	18 - 19	22 - 23	24 - 25	8 - 9	24 - 25	2 - 3	9.5 - 10	19 - 20	9.4 - 10	11 - 13	19 - 20	7 - 9	11 - 13
Date Collected:			02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	03/03/07	03/03/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	12/16/06	12/16/06
Sampled By:			ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
Semi Volatile Organics																				
1,1-Biphenyl	- -	- -	ND	0.14 J	ND	ND	0.10 J	37 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.090 J	ND	ND
2-Methylnaphthalene	- -	- -	0.20 J	4.4	0.62	ND	1.4	380	ND	ND	ND	ND	0.095 J	ND	ND	ND	ND	ND	0.14 J	ND
2-Methylphenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.085 J	ND	ND
4-Methylphenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100	98	0.085 J	0.17 J	1.2	ND	0.080 J	74 J	0.31 J	0.089 J	ND	ND	0.24 J	ND	ND	ND	ND	0.071 J	ND	0.17 J
Acenaphthylene	100	107	0.062 J	ND	ND	ND	ND	29 J	0.090 J	0.073 J	ND	ND	0.068 J	ND	ND	ND	ND	ND	ND	0.088 J
Anthracene	100	1,000	0.16 J	0.30 J	0.52	ND	0.11 J	81	0.15 J	0.082 J	ND	ND	0.44	0.071 J	ND	ND	ND	0.12 J	0.13 J	0.091 J
Benzaldehyde	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	0.49	0.39	0.48	ND	0.18 J	**46 J**	ND	ND	ND	ND	**1.2**	0.13 J	ND	ND	ND	0.12 J	0.44	ND
Benzo(a)pyrene	1	22	0.53	0.28 J	0.36 J	ND	0.19 J	**35 J**	ND	ND	ND	ND	1.3	0.14 J	ND	ND	ND	0.14 J	0.50 J	ND
Benzo(b)fluoranthene	1	1.7	0.57	0.31 J	0.43 J	ND	0.21 J	**26 J**	ND	ND	ND	ND	1.7	0.17 J	ND	ND	ND	0.14 J	0.60	ND
Benzo(g,h,i)perylene	100	1,000	0.34 J	0.14 J	0.18 J	ND	0.15 J	18 J	ND	ND	ND	ND	0.86 J	0.081 J	ND	ND	ND	0.13 J	0.30 J	ND
Benzo(k)fluoranthene	3.9	1.7	0.30 J	0.14 J	0.19 J	ND	0.15 J	**35 J**	ND	ND	ND	ND	0.60	ND	ND	ND	ND	0.15 J	0.55 J	ND
bis(2-Ethylhexyl)phthalate	- -	- -	ND	ND	0.46 ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13 J	ND	ND	ND	0.14 J	ND	ND
Butylbenzylphthalate	- -	- -	ND	ND	ND	ND	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J	ND	ND
Caprolactam	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.21 J	ND
Carbazole	- -	- -	0.095 J	0.14 J	1.1	ND	0.083 J	ND	0.15 J	ND	ND	ND	0.24 J	ND	ND	ND	ND	0.11 J	ND	0.12 J
Chrysene	3.9	1	0.49	0.34 J	0.43 J	ND	0.25 J	**47 J**	ND	ND	ND	ND	**1.2**	0.13 J	ND	ND	ND	0.12 J	0.51	ND
Dibenzo(a,h)anthracene	0.33	1,000	0.075 J	ND	ND	ND	0.11 J	ND	ND	ND	ND	ND	0.19 J	ND	ND	ND	ND	0.12 J	0.15 J	ND
Dibenzofuran	59	210	0.099 J	0.11 J	0.65	ND	ND	93	ND	ND	ND	ND	0.17 J	ND	ND	ND	ND	0.079 J	ND	ND
Diethylphthalate	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND	ND
Dimethylphthalate	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10 J	ND	ND
Di-n-Butylphthalate	- -	- -	ND	ND	ND	ND	0.10 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND	ND
Di-n-Octylphthalate	- -	- -	ND	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND	ND
Fluoranthene	100	1,000	0.96	0.98	1.5	ND	0.18 J	160	0.32 J	0.12 J	ND	ND	3.1	0.30 J	ND	ND	ND	0.13 J	0.72	ND
Fluorene	100	386	0.17 J	0.22 J	0.84	ND	0.095 J	100	0.068 J	ND	ND	ND	0.25 J	ND	ND	ND	ND	0.096 J	ND	ND
Hexachlorobenzene	1.2	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10 J	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	8.2	0.33 J	0.15 J	0.19 J	ND	0.14 J	**20 J**	ND	ND	ND	ND	0.88 J	0.089 J	ND	ND	ND	0.13 J	0.27 J	ND
Isophorone	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	100	12	0.61	5.5	3.9	ND	0.52	**22,000 D**	0.72	0.54	ND	ND	0.15 J	ND	ND	ND	ND	0.29 J	0.16 J	0.086 J
N-Nitrosodiphenylamine	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYSDOH BAP TEQ(-NDs Excluded)	- -	- -	0.75	0.37	0.48	ND	0.36	45	ND	ND	ND	ND	1.9	0.18	ND	ND	ND	0.30	0.79	ND
Pentachlorophenol	6.7	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.073 J	ND	ND
Phenanthrene	100	1,000	0.76	1.1	2.1	ND	0.37 J	300	ND	0.074 J	ND	ND	2.5	0.31 J	ND	ND	ND	0.11 J	0.51	ND
Phenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	1,000	0.91	0.97	1.3	ND	0.27 J	130	0.34 J	0.36 J	ND	ND	2.5	0.23 J	ND	ND	ND	0.12 J	0.93 J	0.084 J
Diesel Range Organics (DRO)																				
C10-C28 DRO	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	- -	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chlorophenol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,2-oxybis(1-Chloropropane)	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetophenone	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3+4-Methylphenols	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloroethane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Nitrobenzene	- -	0.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitrophenol	- -	0.33	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dimethylphenol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 2: SVOCs Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO -Protection of Groundwater	MTP-1	MTP-1	MTP-1	MTP-1	MTP-2	MTP-2	MTP-2	MTP-2	MTP-3	MTP-3	SB-208	SB-208	SB-208	SB-209	SB-209	SB-209	SB-210	SB-210
Sample Depth(Feet):			3 - 4	8 - 9	19 - 20	23 - 24	9 - 10	18 - 19	22 - 23	24 - 25	8 - 9	24 - 25	2 - 3	9.5 - 10	19 - 20	9.4 - 10	11 - 13	19 - 20	7 - 9	11 - 13
Date Collected:			02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	03/03/07	03/03/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	12/16/06	12/16/06
Sampled By:			ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
bis(2-Chloroethoxy)methane	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dichlorophenol	- -	0.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloro-3-methylphenol	- -	0.24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorocyclopentadiene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	- -	3.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitroaniline	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3-Nitroaniline	- -	0.43	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrophenol	- -	1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitrophenol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrotoluene	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroaniline	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Bromophenyl-phenylether	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Atrazine	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,3-Dichlorobenzidine	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzne (sv)	- -	3.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2 Dichlorobenzene (sv)	- -	1.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3 Dichlorobenzene (sv)	- -	2.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,4 Dichlorobenzene (sv)	- -	1.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3-Methylphenol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aniline	- -	0.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzyl Alcohol	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bis(2-chloroisopropyl)ether	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	- -	7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nistrosodi-n-propylamine	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	100	1000	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyridine	- -	- -	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

D = The compound was found at a dilution factor

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 2: SVOCs Detected in Soil

Location ID:	SB-210	SB-210	SB-210	MW/SB-213	MW/SB-213	SB-214	SB-214	SB-220	SB-220	SB-221	SB-221	SB-221	SB-221	SB-222	SB-222	SB-222	SB-222	SB-223	SB-223	SB-223	SB-223
Sample Depth(Feet):	21 - 23	25 - 27	36 - 37	8 - 9	19 - 20	11 - 13	19 - 20	7.5 - 8	21 - 21.5	2 - 4	6 - 8	9.5 - 10	24 - 25	1 - 3	7.5 - 8.5	15 - 17	19 - 20	12.5 - 13	17.5 - 18	28 - 28.5	32 - 32.5
Date Collected:	12/16/06	12/16/06	12/16/06	02/10/07	02/10/07	01/21/07	01/21/07	10/16/06	10/16/06	01/20/07	01/20/07	01/20/07	01/20/07	01/21/07	01/21/07	01/21/07	01/21/07	10/13/06	10/13/06	10/13/06	10/13/06
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
Semi Volatile Organics																					
1,1-Biphenyl	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	2.0	ND	ND	ND	NA	NA
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	3.7	ND	2.7	0.19 J	ND	0.11 J	1.0	ND	ND	ND	0.21 J	ND	74 D	0.27 J	0.11 J	0.12 J	2.2 J [1.9]	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	0.48 J	ND	1.1	0.084 J	ND	ND	ND	ND	0.30 J	2.4 J	0.099 J	ND	1.1	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND	ND	ND	ND	ND	ND	1.0 [0.84]	ND
Anthracene	ND	ND	ND	0.52 J	ND	0.81	0.075 J	ND	ND	ND	ND	1.2	ND	ND	ND	0.21 J	ND	ND	ND	0.77 [0.62]	ND
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	1.6 J	ND	ND	ND	ND	ND	ND	NA	NA
Benzo(a)anthracene	ND	ND	ND	**1.2 J**	ND	0.76	0.071 J	ND	ND	0.18 J	ND	**6.0 D**	ND	ND	ND	0.59	ND	ND	ND	0.99 [0.80]	ND
Benzo(a)pyrene	ND	ND	ND	1.1 J	ND	0.16 J	ND	ND	ND	0.12 J	ND	8.4 D	ND	ND	ND	1.4	ND	ND	ND	0.89 [0.71]	ND
Benzo(b)fluoranthene	ND	ND	ND	**2.0**	ND	0.23 J	ND	ND	ND	0.13 J	ND	**8.7 D**	ND	ND	ND	1.3	ND	ND	ND	0.70 [0.63]	ND
Benzo(g,h,i)perylene	ND	ND	ND	0.87 J	ND	0.091 J	ND	ND	ND	0.087 J	ND	5.3 J	ND	ND	ND	1.1	ND	ND	ND	0.30 J [0.25 J]	ND
Benzo(k)fluoranthene	ND	ND	ND	1.0 J	ND	ND	ND	ND	ND	0.12 J	ND	**4.2 D**	ND	ND	ND	0.65	ND	ND	ND	0.65 [0.45]	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	0.080 J	ND	ND	0.087 J	0.086 J	ND	ND	0.11 J	0.82	ND	ND	ND	ND	ND
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37 J	ND	ND	ND	0.29 J	ND	ND	ND	0.33 J [0.25 J]	ND
Chrysene	ND	ND	ND	**1.8**	ND	0.74	0.070 J	ND	ND	0.20 J	ND	**5.8 D**	ND	ND	ND	0.73	ND	ND	ND	1.0 [0.80]	ND
Dibenzo(a,h)anthracene	ND	ND	ND	0.23 J	ND	0.046 J	ND	ND	ND	ND	ND	1.6	ND	ND	ND	0.24 J	ND	ND	ND	0.11 J [0.083 J	ND
Dibenzofuran	ND	ND	ND	0.26 J	ND	0.58	ND	ND	ND	ND	ND	0.20 J	1.6 J	ND	ND	ND	ND	ND	ND	0.15 J [0.11 J]	ND
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Octylphthalate	ND	ND	ND	0.59 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	2.5	ND	1.1	0.075 J	ND	ND	0.38	ND	7.6 D	0.82 J	ND	ND	0.87	ND	ND	ND	2.1 [1.7]	ND
Fluorene	ND	ND	ND	0.69 J	ND	0.89	ND	ND	ND	0.076 J	ND	0.32 J	6.2	0.20 J	ND	2.0	ND	ND	ND	0.27 J [0.25 J]	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	1.0 J	ND	0.093 J	ND	ND	ND	0.12 J	ND	5.7 JD	ND	ND	ND	1.3	ND	ND	ND	0.39 [0.30 J]	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.059 J	ND	ND	4.6	ND	ND	ND	ND	0.058 J	ND	ND	0.19 J	ND	ND	ND	**42 D**	0.13 J	0.099 J	0.17 J	0.57 [0.49]	0.47
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND	ND	ND	ND
NYSDOH BAP TEQ(-NDs Excluded)	ND	ND	ND	1.8	ND	0.32	0.0078	ND	ND	0.17	ND	12	ND	ND	ND	2.0	ND	ND	ND	1.2 [0.98]	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	3.1	ND	2.8	0.23 J	ND	ND	0.34 J	ND	3.2	12	0.34 J	ND	3.8	ND	ND	ND	0.77 [0.64]	ND
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.063 J	ND	ND	2.4	ND	1.6	0.15 J	ND	ND	0.41	ND	5.8 D	1.4 J	0.070 J	ND	1.3	ND	ND	ND	1.6 [1.3]	ND
Diesel Range Organics (DRO)																					
C10-C28 DRO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	NA	NA	NA	NA	NA	12,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,000	NA	NA	NA	140 J	NA
Gasoline	NA	NA	NA	NA	NA	278 J	NA	NA	NA	850 J	NA	NA	NA	NA	NA	1,170	NA	NA	NA	170 J	NA
bis(2-Chloroethyl)ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,2-oxybis(1-Chloropropane)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetophenone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3+4-Methylphenols	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Nitrobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitrophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Table 2: SVOCs Detected in Soil

Location ID:	SB-210	SB-210	SB-210	MW/SB-213	MW/SB-213	SB-214	SB-214	SB-220	SB-220	SB-221	SB-221	SB-221	SB-221	SB-222	SB-222	SB-222	SB-222	SB-223	SB-223	SB-223	SB-223
Sample Depth(Feet):	21 - 23	25 - 27	36 - 37	8 - 9	19 - 20	11 - 13	19 - 20	7.5 - 8	21 - 21.5	2 - 4	6 - 8	9.5 - 10	24 - 25	1 - 3	7.5 - 8.5	15 - 17	19 - 20	12.5 - 13	17.5 - 18	28 - 28.5	32 - 32.5
Date Collected:	12/16/06	12/16/06	12/16/06	02/10/07	02/10/07	01/21/07	01/21/07	10/16/06	10/16/06	01/20/07	01/20/07	01/20/07	01/20/07	01/21/07	01/21/07	01/21/07	01/21/07	10/13/06	10/13/06	10/13/06	10/13/06
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
bis(2-Chloroethoxy)methane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dichlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorobutadiene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Chloro-3-methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Hexachlorocyclopentadiene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4,6-Trichlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4,5-Trichlorophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Nitroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3-Nitroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitrophenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Nitroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Atrazine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,3-Dichlorobenzidine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzne (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,4 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3-Methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzyl Alcohol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bis(2-chloroisopropyl)ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nistrosodi-n-propylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyridine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

D = The compound was found at a dilution factor

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 2: SVOCs Detected in Soil

Location ID:	MW/SB-224	MW/SB-224	MW/SB-224	SB-254	SB-254	TP2	SB-7	SB-7	SB-7	SB-7	MW-7A	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9	SB-9	SB-10	SB-10
Sample Depth(Feet):	8 - 8.5	34.5 - 35	37.5 - 38	8 - 9	19 - 20	10-11	6-7	17-19	27-29	43-45	6-7	4-5	11-11.5	14.5-15	4-5	8-10	20-22	26-28	32-34	5-6	6-8
Date Collected:	10/12/06	10/12/06	10/12/06	03/03/07	03/03/07	09/12/04	07/09/04	08/09/04	08/09/04	08/09/04	07/09/04	07/09/04	08/11/04	08/11/04	09/12/04	09/18/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC
Semi Volatile Organics																					
1,1-Biphenyl	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND	ND	0.44 J	0.280 J
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.022 UJ	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	4.2	ND	0.055 J	ND	ND	ND	ND	ND	ND	0.280 J	2.4 D	0.12 J	ND	ND	7 DJ	0.062 J	ND	9.3 D	7.1 DJ
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.160 J	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.150 UJ	ND	ND	ND	ND
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	26 J	0.87	0.83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.078 J	0.039 J	2.50	0.038 J	ND	0.99	0.47 J
Acenaphthylene	56 J	0.32 J	0.37 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044 J	ND	0.290 J	ND	ND	ND	ND
Anthracene	130	ND	0.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	ND	0.049 J	0.091 J	2.9 D	0.056 J	ND	1.8	1.1
Benzaldehyde	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**110**	ND	0.40 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.190 J	0.29 J	**2.90**	0.039 J	ND	**2.7**	**1.6**
Benzo(a)pyrene	**82**	ND	0.28 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.240 J	0.26 J	2.0	ND	ND	2.4	1.2
Benzo(b)fluoranthene	**49 J**	ND	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.310 J	0.28 J	**2.2**	ND	ND	**2.7**	1.4
Benzo(g,h,i)perylene	39 J	ND	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.110 J	0.16 J	0.490	ND	ND	1	0.37 J
Benzo(k)fluoranthene	**63 J**	ND	0.18 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.160 J	0.14 J	1.30 J	ND	ND	1.2 J	0.8 J
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	0.066 J	ND	ND	ND	ND	ND	ND	0.14 J	0.049 J	ND	ND	ND	0.043 J	0.074 J	ND	0.17 J
Butylbenzylphthalate	ND	0.082 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015 UJ	ND	ND	ND	ND
Carbazole	13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	.64 J	0.28 J
Chrysene	**100**	ND	0.56 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.280 J	0.26 J	**2.5**	0.05 J	ND	**2.3**	**1.2**
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.095 J	ND	ND	0.12 J	ND
Dibenzofuran	56 J	0.16 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.140 J	ND	2.6	ND	ND	0.68 J	0.37 J
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	230	ND	0.81	ND	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.740	0.53	5.7 D	0.1 J	ND	5.3	3.1
Fluorene	110	0.058 J	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	0.690	0.62	5.5 D	0.1 J	ND	6.8 D	3.6
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**35 J**	ND	0.15 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.100 J	0.13 J	0.044	ND	ND	0.75	0.21 J
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**15 J**	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044 J	**94 D**	0.78	0.075 J	9.1 D	9.2 D
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYSDOH BAP TEQ(-NDs Excluded)	100	ND	0.36	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ND	ND	ND	ND	0.99 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	360	0.14 J	7.7	ND	0.20 J	ND	ND	ND	ND	ND	ND	0.062 J	0.68	0.061 J	0.700	0.25 J	8.5 D	0.14 J	ND	5.3	3.2
Phenol	ND	ND	ND	ND	0.49 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	240	ND	2.5	ND	0.11 J	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	0.69	0.620	5.5 D	0.1 J	ND	6.8 D	3.6
Diesel Range Organics (DRO)																					
C10-C28 DRO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-oxybis(1-Chloropropane)	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3+4-Methylphenols	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.130 J	ND	ND	ND	ND
Hexachloroethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2: SVOCs Detected in Soil

Location ID:	MW/SB-224	MW/SB-224	MW/SB-224	SB-254	SB-254	TP2	SB-7	SB-7	SB-7	SB-7	MW-7A	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9	SB-9	SB-10	SB-10
Sample Depth(Feet):	8 - 8.5	34.5 - 35	37.5 - 38	8 - 9	19 - 20	10-11	6-7	17-19	27-29	43-45	6-7	4-5	11-11.5	14.5-15	4-5	8-10	20-22	26-28	32-34	5-6	6-8
Date Collected:	10/12/06	10/12/06	10/12/06	03/03/07	03/03/07	09/12/04	07/09/04	08/09/04	08/09/04	08/09/04	07/09/04	07/09/04	08/11/04	08/11/04	09/12/04	09/18/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04
Sampled By:	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC
bis(2-Chloroethoxy)methane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Atrazine	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzne (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,4 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3-Methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4,6-Dinitro-2-methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Aniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzyl Alcohol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bis(2-chloroisopropyl)ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nistrosodi-n-propylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyridine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

D = The compound was found at a dilution factor

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 2: SVOCs Detected in Soil

Location ID:	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-11	SB-11	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
Sample Depth(Feet):	8-10	20-22	48-50	5-6	13-15	27-29	35-37	37-39	8-9	8-9	6-6.5	7-8	9-9.5	10-10.5	7-8	8-9
Date Collected:	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04	09/18/04	1/23/12	1/23/12	1/25/12	1/27/12	1/26/12	1/26/12	1/27/12	1/27/12
Sampled By:	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	CORE	CORE	CORE	CORE	CORE	CORE	CORE	CORE
Semi Volatile Organics																
1,1-Biphenyl	ND	ND	ND	ND	ND	7.7 D	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	2.4 J	0.22 J	ND	2.1	ND	63 DJ	ND	ND	ND	ND	15.1	ND	3.48	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	0.074 J	ND	0.4	ND	12 D	ND	ND	ND	ND	ND	ND	0.439	ND	ND	ND
Acenaphthylene	ND	ND	ND	0.2 J	ND	6.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	0.1 J	ND	1	ND	19 D	ND	ND	ND	0.262	ND	ND	0.233	0.25	1.67 J	ND
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	ND	0.068 J	ND	**2**	ND	**16 D**	ND	ND	ND	ND	ND	0.0824 J	0.172 J	**2.33**	**6.36**	ND
Benzo(a)pyrene	ND	0.049 J	ND	1.7	ND	11 D	ND	ND	ND	ND	ND	0.113 J	0.138 J	2.66	6.63	ND
Benzo(b)fluoranthene	0.5 J	0.056 J	ND	**2.2**	ND	**12 D**	ND	ND	ND	ND	ND	0.0854 J	0.137 J	**1.49**	**5.26**	ND
Benzo(g,h,i)perylene	ND	ND	ND	0.8	ND	2.3 J	ND	ND	ND	ND	ND	0.0629 J	ND	0.316	1.42	ND
Benzo(k)fluoranthene	ND	ND	ND	0.83 J	ND	**5.2**	ND	ND	ND	ND	ND	0.0957 J	0.114 J	**1.81**	**5.15**	ND
bis(2-Ethylhexyl)phthalate	ND	0.054 J	0.069 J	ND	0.078 J	ND	0.088 J	ND	ND	ND	ND	0.896	0.0952	ND	0.19	0.150 J
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.389	ND	ND
Caprolactam	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	ND	0.1 J	ND	0.41	ND	6.3 D	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ND	0.075 J	ND	**1.8**	ND	**13 D**	ND	ND	ND	ND	ND	0.0907 J	0.277	**1.75**	**5.69**	ND
Dibenzo(a,h)anthracene	ND	ND	ND	0.12 J	ND	0.4 J	ND	ND	ND	ND	ND	ND	ND	0.283	ND	ND
Dibenzofuran	ND	0.089 J	ND	0.68	ND	15 D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.65 J	0.17 J	ND	4.3 D	0.064 J	40 JD	ND	ND	.146 J	.115 J	ND	ND	0.672	1.88	9.58	ND
Fluorene	0.79 J	0.17 J	ND	4.3 D	0.073 J	32 D	ND	ND	ND	0.853	ND	ND	ND	.0715 J	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.74	ND	1.9	ND	ND	ND	ND	ND	ND	ND	0.459	1.960 J	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4	5.6 D	ND	2.4	ND	**1300 DJ**	0.28 J	ND	0.215	0.393	8.48	ND	ND	.116 J	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYSDOH BAP TEQ(-NDs Excluded)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	0.59 J	0.29 J	ND	4.5 D	0.089 J	63 D	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.79 J	0.17 J	ND	4.3 D	0.073 J	32 D	ND	ND	0.139	0.244	ND	.114 J	0.652	2.17	6.84	ND
Diesel Range Organics (DRO)																
C10-C28 DRO	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diesel Range Organics (DRO)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-oxybis(1-Chloropropane)	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
3+4-Methylphenols	ND	ND	ND	ND	ND	1.5	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA

Table 2: SVOCs Detected in Soil

Location ID:	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-11	SB-11	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
Sample Depth(Feet):	8-10	20-22	48-50	5-6	13-15	27-29	35-37	37-39	8-9	8-9	6-6.5	7-8	9-9.5	10-10.5	7-8	8-9
Date Collected:	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04	09/18/04	1/23/12	1/23/12	1/25/12	1/27/12	1/26/12	1/26/12	1/27/12	1/27/12
Sampled By:	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	CORE	CORE	CORE	CORE	CORE	CORE	CORE	CORE
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	0.021 UJR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Atrazine	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzne (sv)	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
1,3 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
1,4 Dichlorobenzene (sv)	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
N-Nistrosodi-n-propylamine	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	ND	1.56	1.820 J	ND	1.7	0.754	5.24	ND
Pyridine	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

D = The compound was found at a dilution factor

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

Table 3: Metals Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	MTP-1	MTP-1	MTP-1	MTP-1	MTP-2	MTP-2	MTP-2	MTP-2	MTP-3	MTP-3	SB-208	SB-208	SB-208	SB-209	SB-209	SB-209	SB-210	SB-210	SB-210	SB-210	SB-210	MW/SB-213	MW/SB-213 19 - 20	SB-214	SB-214
Sample Depth(Feet):			3 - 4	8 - 9	19 - 20	23 - 24	9 - 10	18 - 19	22 - 23	24 - 25	8 - 9	24 - 25	2 - 3	9.5 - 10	19 - 20	9.4 - 10	11 - 13	19 - 20	7 - 9	11 - 13	21 - 23	25 - 27	36 - 37	8 - 9		5 - 7	9.5 - 10
Date Collected:			02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	02/10/07	03/03/07	03/03/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	01/20/07	12/16/06	12/16/06	12/16/06	12/16/06	12/16/06	02/10/07	02/10/07	01/21/07	01/21/07
Sampled By:			ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS
Metals																											
Amenable Cyanide	- -	- -	ND	ND	ND	ND	ND	ND	ND	0.370 B	NA	NA	0.0700	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Antimony	- -	- -	0.460 J	0.200 J	ND	0.440 J	0.350 J	1.30 J	ND	ND	0.600 J	0.570 J	0.820 J	0.540 J	0.820 J	0.270 J	0.450 J	0.700 J	1.80 J	ND	ND	ND	ND	0.780 J	0.570 J	0.420 J	0.250 J
Arsenic	16	16	2.20 J	1.20 J	4.80 J	3.00 J	5.00 J	9.40 J	0.550 J	0.630 J	2.80	10.0	4.80	2.70	9.00	1.70	2.20	9.10	9.30 J	5.00 J	2.50 J	1.30 J	0.900 J	**20.0 J**	7.80 J	1.90	1.50
Beryllium	72	47	0.320 B	0.330 B	0.550 B	0.610	0.310 B	0.300 B	0.250 B	0.270 B	0.600 B	0.760	0.350 B	0.580 B	0.790	0.380 B	0.490 B	0.750	0.320 B	0.530 B	0.440 B	0.360 B	0.350 B	0.400 B	0.610 B	0.470 B	0.330 B
Cadmium	4.3	7.5	ND	ND	ND	ND	0.360 B	ND	ND	ND	ND	ND	0.410 B	ND	ND	ND	ND	ND	3.50	ND	0.0800 B	ND	ND	ND	ND	ND	ND
Chromium	- -	- -	11.7	11.8	18.1	23.2	11.5	9.70	10.3	11.5	17.0	27.6	20.4	18.3	26.3	12.4	15.8	24.4	33.4 J	18.6 J	15.5 J	12.0 J	12.5 J	19.3	22.0	15.9	12.6
Copper	270	1,720	18.8 J	14.7 J	18.1 J	26.1 J	38.3 J	30.3 J	8.20 J	7.70 J	17.9	16.5	41.8	20.5	15.7	14.2	19.5	13.9	176	17.5	24.6	5.60	10.9	44.3 J	14.2 J	25.3	11.5
Cyanide	27	40	ND	NA	NA	NA	2.20	**179**	ND	ND	ND	ND	1.00	ND	NA	NA	ND	NA	2.50	2.30	3.50	1.90	0.490 B	20.2	ND	NA	ND
Lead	400	450	178 J	11.5 J	12.4 J	14.1 J	76.7 J	**1,430 J**	2.90 J	3.70 J	8.30 J	11.0 J	**708**	31.9	10.1	5.90	7.60	9.10	**535**	15.1	85.2	6.60	6.40	172 J	9.50 J	6.70	5.20
Mercury	0.81	0.73	0.250 J	ND	0.0390 J	ND	0.140 J	0.460 J	0.0210 J	0.0200 J	0.0360 B	0.0480 B	0.550	0.0550	0.0370 B	0.0230 B	0.0240 B	0.0430 B	0.230 J	0.0480 J	0.360 J	ND	ND	0.160 J	0.0400 J	0.0190 B	ND
Nickel	310	130	13.0	12.5	17.2	22.1	12.7	13.6	8.60	12.7	22.2	24.3	18.8	16.5	23.1	12.5	16.3	21.9	20.7	17.7	16.7	12.7	14.1	14.6	21.1	17.7	9.90
Selenium	180	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	R	R	R	R	R	ND	ND	ND	R
Silver	180	8.3	0.150 B	ND	ND	ND	ND	0.140 B	ND	ND	ND	ND	0.130 B	ND	ND	ND	ND	ND	0.450 B	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	- -	- -	ND	ND	ND	ND	ND	ND	ND	1.00	0.690 B	1.00 B	ND	0.860 B	2.00	0.480 B	0.560 B	1.80	2.00	1.40	0.940 B	ND	0.670 B	ND	ND	0.480 B	ND
Zinc	10,000	2,480	123 J	28.6 J	68.1 J	41.1 J	88.2 J	197 J	9.10 J	11.8 J	50.7	63.2	399 J	43.6 J	58.5 J	23.0 J	30.7 J	57.9 J	282	50.6	61.2	15.6	22.6	65.9 J	52.1 J	22.6 J	14.5

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

R = Data rejected based on ARCADIS and TRC data validation

Table 3: Metals Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-214	SB-214	MW/SB-219 5.5 - 6	MW/SB-219 10 - 10.5	MW/SB-219 32 - 32.5	SB-220	SB-220	SB-221	SB-221	SB-221	SB-221	SB-222	SB-222	SB-222	SB-222	SB-223	SB-223	SB-223	SB-223	MW/SB-224	MW/SB-224 34.5 - 35	MW/SB-224 37.5 - 38	SB-254	SB-254	SB-7
Sample Depth(Feet):			11 - 13	19 - 20	10/17/06	10/17/06	10/17/06	7.5 - 8	21 - 21.5	2 - 4	6 - 8	9.5 - 10	24 - 25	1 - 3	7.5 - 8.5	15 - 17	19 - 20	12.5 - 13	17.5 - 18	28 - 28.5	32 - 32.5	8 - 8.5	10/12/06	10/12/06	10/12/06	8 - 9	19 - 20	6 - 7
Date Collected:			01/21/07	01/21/07				10/16/06	10/16/06	01/20/07	01/20/07	01/20/07	01/20/07	01/21/07	01/21/07	01/21/07	01/21/07	10/13/06	10/13/06	10/13/06	10/13/06				03/03/07	03/03/07	07/09/04
Sampled By:			ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	ARCADIS	TRC
Metals																											
Amenable Cyanide	- -	- -	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Antimony	- -	- -	0.250 J	0.660 J	ND	ND	ND	ND	ND	0.540 J	0.330 J	0.400 J	0.910 J	0.980 J	0.350 J	0.290 J	0.830 J	ND	ND	ND	ND	ND	ND	ND	0.350 J	0.740 J	ND
Arsenic	16	16	1.40	9.00	ND	ND	9.50	ND	ND	4.20	2.90	2.60	10.0	15.8	1.70	2.70	7.90	ND	9.40 B	ND	ND	ND	ND	ND	0.430 B	9.90	3.19
Beryllium	72	47	0.350 B	0.800	ND	ND	ND	ND	ND	0.470 B	0.390 B	0.600	0.820	0.470 B	0.530 B	0.510 B	0.770	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.73
Cadmium	4.3	7.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.120 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.482 J
Chromium	- -	- -	9.20	26.9	18.4	18.2	23.7	16.3	27.5	16.2	14.4	19.3	27.5	14.7	17.9	15.5	25.2	11.5 J	26.3	15.4	21.3	21.2 J	10.6 J	9.90 J	7.90	23.0	16.9
Copper	270	1,720	27.5	14.9	27.7	23.4	11.7	20.1	13.9	29.9	17.5	16.3	16.8	109	18.3	15.1	14.4	13.1	14.5	13.0	28.5	18.6	8.10	10.8	10.1	14.2	18.2
Cyanide	27	40	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	ND	0.320 B	ND	ND	NA	ND	ND	0.145 B	0.166 B	R	ND	0.159 B	ND	ND	ND
Lead	400	450	4.60	9.70	18.3	7.20 B	10.0 B	7.80 B	10.9 B	94.4	52.5	9.50	10.3	**459**	6.60	8.50	9.60	116	10.9 B	6.00 B	12.5 B	9.10	5.00 B	4.60 B	3.80	9.40	16.4
Mercury	0.81	0.73	0.0300 B	0.0490	0.0280 B	ND	0.0330 B	ND	0.0340 B	0.280	0.0350 B	ND	0.0350 B	0.470	ND	0.0230 B	0.0420 B	0.0390 B	0.0300 B	ND	ND	0.0630	ND	ND	0.0200 B	0.0540	0.04 J
Nickel	310	130	7.00	23.2	16.2	19.5	20.1	14.5 J	24.4 J	16.0	16.6	16.1	24.1	18.0	14.2	14.3	22.7	15.0 J	24.0 J	14.0 J	25.8 J	15.1 J	17.0 J	15.5 J	8.90	22.0	16.7
Selenium	180	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J
Silver	180	8.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0900 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	- -	- -	0.520 B	1.40 B	ND	ND	ND	ND	ND	0.430 B	0.730 B	0.660 B	1.80	ND	0.400 B	1.00 B	1.80	ND	ND	ND	ND	ND	ND	ND	ND	1.20 B	0.544 J
Zinc	10,000	2,480	19.4 J	59.6 J	42.9 J	42.3 J	55.9 J	26.1 J	67.9 J	55.7 J	24.3 J	29.1 J	60.9 J	88.3 J	20.4 J	24.7 J	59.9 J	26.3 J	68.7 J	23.3 J	61.0 J	23.6 J	12.6 J	23.1 J	11.2	57.0	46.6

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

R = Data rejected based on ARCADIS and TRC data validation

Table 3: Metals Detected in Soil

Location ID:	NYSDEC Restricted Use SCO -	NYSDEC Restricted Use SCO -	SB-7	SB-7	SB-7	MW-7A	SB-8	SB-8	SB-8	SB-9	SB-9	SB-9	SB-9	SB-10	SB-10	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-11	SB-12	SB-12	SB-12	SB-12	SB-12
Sample Depth(Feet):	Restricted	Protection of	17 - 19	27 - 29	43 - 45	6 - 7	4 - 5	11 - 11.5	14.5 - 15	4 - 5	8 - 10	26 - 28	32 - 34	5 - 6	6 - 8	8 - 10	20 - 22	48 - 50	5 - 6	13 - 15	27 - 29	37 - 39	5 - 7	7 - 9	15 - 17	25 - 27	49 - 51
Date Collected:	Residential	Groundwater	08/09/04	08/09/04	08/09/04	07/09/04	07/09/04	08/11/04	08/11/04	09/12/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04	09/11/04	09/11/04	09/11/04	09/12/04	09/12/04
Sampled By:			TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC
Metals																											
Amenable Cyanide	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.9 R	ND	ND	ND	ND	ND
Antimony	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.02 J	1.79 J	ND	ND	ND	ND	ND	ND
Arsenic	16	16	1.11 J	ND	ND	2.61	1.7	0.309 J	0.434 J	1.94 J	1.79	1.7	1.53	1.7 J	2.42	4.02	2.47	2.01	3.15 J	1.56	3.85	0.295 J	1.83 J	1.55 J	2.63 J	7.78 J	1.03 J
Beryllium	72	47	0.524 J	0.37 J	0.634 J	0.621	0.475 J	0.381 J	0.326 J	0.322 J	0.391 J	0.475 J	0.251 J	0.281 J	0.255 J	0.25 J	0.21 J	0.457 J	0.374 J	0.302 J	0.32 J	0.214 J	0.185 J	0.149 J	0.341 J	0.496 J	0.171 J
Cadmium	4.3	7.5	ND	ND	ND	0.379 J	0.244 J	0.662	0.893	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	- -	- -	13.5	5.32	10.4	15.8	16.5	14.7	26.3	12.6	14.7	15.7	16.1	12.4	11.3	10.4	11.6	20.6	14.8	13	12	7.26	10.7	12	16.2	20.4	14.7
Copper	270	1,720	12.1	6.24	10.1	17	16.2	12.8	8	16	18.1	16.1	9.37	19.3	26.5	26.5	6.65	18.3	20.3 J	15.2	20.2	5.42	6.29	7.27	17.9	14.6	16.1
Cyanide	27	40	ND	ND	ND	ND	ND	1.06 J	ND	ND	ND	ND	ND	ND	ND	ND	2.08	ND	ND	ND	45 R	ND	1.24	ND	ND	ND	ND
Lead	400	450	5.86	3.05	9.2	11.7	7.89	11.5	7.28	21.9	14.5 J	88.6 J	4.31 J	53.6	55.3 J	40.4 J	21.6 J	7.51 J	110 J	15.8 J	**1740 J**	5.1 J	54.3	68.6	13.6	18.1	2.63
Mercury	0.81	0.73	0.02	ND	ND	0.03 J	0.02 J	0.02 J	0.01 J	ND	0.11 J	0.01 J	ND	ND	0.09 J	0.07 J	ND	0.01 J	0.48 J	0.03 J	0.02 J	0.01 J	ND	ND	ND	ND	ND
Nickel	310	130	9.81	10.7	13.7	15.5	14.3	12.5	11.7	12.3	16.5	16.5	7.86	13.5	11.6	11.5	5.82	26.8	15.3	13.3	12.2	8.47	5.75	4.31	13.6	18.6	11.4
Selenium	180	4	ND	ND	ND	0.656 J	0.408 J	ND	1.05 J	0.606 J	0.525 J	0.527 J	ND	0.838 J	ND	0.653 J	ND	ND	0.878 J	0.387 J	ND	ND	0.675 J	0.415 J	0.713 J	1.72	ND
Silver	180	8.3	ND	ND	ND	ND	ND	ND	0.183 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.46	ND	ND	ND	ND	0.654 J	ND	ND
Thallium	- -	- -	ND	ND	ND	0.399 J	0.357 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	10,000	2,480	17.7 J	9.31 J	24 J	41.5	21.7	21.9	31.1	32.1	39.1	30.9	11.6	41.5	50.5	50	11.3	33.9	59.5	30.2	69.4	10.1	34.2	40	28.5	51.8	14.9

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

R = Data rejected based on ARCADIS and TRC data validation

Table 3: Metals Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-13	SB-13	SB-13	SB-14
Sample Depth(Feet):			6 - 6.5	25 - 27	27 - 29	4 - 5
Date Collected:			07/12/04	10/10/04	10/10/04	09/11/04
Sampled By:			TRC	TRC	TRC	TRC
Metals						
Amenable Cyanide	- -	- -	ND	ND	ND	ND
Antimony	- -	- -	ND	ND	ND	ND
Arsenic	16	16	2.85	2.04	11.4	3.72 J
Beryllium	72	47	0.505 J	0.477 J	0.606 J	0.309 J
Cadmium	4.3	7.5	1.01	ND	ND	ND
Chromium	- -	- -	13.6	16.4	22.6	10.5
Copper	270	1,720	22.5	21.8	15.3	23.4
Cyanide	27	40	ND	ND	ND	ND
Lead	400	450	12.9	5.65	9.7	184
Mercury	0.81	0.73	0.02	0.019 R	0.008 R	0.23 J
Nickel	310	130	14.9	14.8	21.7	13.8
Selenium	180	4	1.01 J	ND	1.22 J	0.896 J
Silver	180	8.3	0.48 J	ND	0.281 J	ND
Thallium	- -	- -	ND	ND	ND	ND
Zinc	10,000	2,480	43.4	25	57.8	35.5

Notes:

Shaded value indicates concentration exceeds Restricted-Residential SCOs

Bold value indicates concentration exceeds Protection of Groundwater SCOs

All values are in mg/kg.

ND = not detected

NA = not analyzed

NR = not reported

B = Analyte is found in the associated analysis batch blank.

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

R = Data rejected based on ARCADIS and TRC data validation

Table 4: Pesticides, Herbicides and PCBs Detected in Soil

Location ID:	NYSDEC Restricted Use SCO - Restricted Residential	NYSDEC Restricted Use SCO - Protection of Groundwater	SB-7	SB-7	SB-7	SB-7	MW-7A	SB-8	SB-9	SB-9	SB-9	SB-9	SB-9	SB-10	SB-10	SB-10	SB-10	SB-10	SB-11	SB-11	SB-11	SB-11
Sample Depth(Feet):			6 - 7	17 - 19	27 - 29	43 - 45	6 - 7	4 - 5	4 - 5	8 - 10	20 - 22	26 - 28	32 - 34	5 - 6	6 - 8	8 - 10	20 - 22	48 - 50	5 - 6	13 - 15	27 - 29	35 - 37
Date Collected:			07/09/04	08/09/04	08/09/04	08/09/04	07/09/04	07/09/04	09/12/04	09/18/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04	09/18/04	09/11/04	09/18/04	09/18/04	09/18/04
Sampled By:			TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC	TRC
Pesticides																						
alpha-BHC	0.48	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	0.36	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	2.1	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.097	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	24	102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.2	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDE	8.9	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	11	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	24	102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDD	13	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	24	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4-DDT	7.9	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	4.2	2.9	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides																						
DICAMBA	- -	- -	0.012 P	ND	ND	ND	0.016 P	0.014 P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DICHLORPROP	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	- -	- -	0.0016 J	0.022 P	ND	ND	0.0015 J	0.0014 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP (SILVEX)	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-T	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0077	ND	ND	ND	0.0068 PJ
2,4-DB	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DINOSEB	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs																						
Aroclor-1016	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	- -	- -	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.016 J	ND	ND	0.021 PJ	ND	ND	ND	ND	ND	ND

Notes:

All values are in mg/kg.
ND = not detected
NA = not analyzed

B = Analyte is found in the associated analysis batch blank.

J = Detected below the reporting limit but greater than or equal to the Method Detection Limit (MDL), therefore the result is an estimated concentration

P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%

R = Data rejected based on TRC data validation

SECTION ATTACHMENTS

SECTION III – OWNER/OPERATOR INFORMATION

SECTION VI – PROJECT DESCRIPTION

SECTION VII – PROPERTY'S ENVIRONMENTAL HISTORY

SECTION VIII – COMMUNITY CONTACT LIST

SECTION IX – LAND USE FACTORS

Attachment to Section III – Current Property Owner/Operator Information

	Owner	**Operator**
Lot 20	18th Highline Associates, L.L.C. c/o The Related Companies 60 Columbus Circle New York, NY 10023 212-801-1000	Empire City Subway 140 West Street New York, NY 10007 212-519-4922 Hauser & Wirth 32 East 69th Street New York, NY 10021 212-790-3900
Lot 29	18th Highline Associates, L.L.C. c/o The Related Companies 60 Columbus Circle New York, NY 10023 212-801-1000	Empire City Subway 140 West Street New York, NY 10007 212-519-4922

Attachment to Section VI – Project Description

Purpose and Scope of the Project

The Site is located in a mixed use area of the West Chelsea section of the Borough of Manhattan. The Site is comprised of an approximately 46,000 square foot (SF) irregular parcel bounded to the north by West 19th Street, to the east by 10th Avenue, to the south by West 18th Street, and to the west by 11th Avenue. Adjacent properties include mixed use commercial, residential, and office space to the north, east, and west, and new development to the south. The Site is identified on New York City tax maps as Block 690, Lots 20 and 29. Lot 20 is currently improved with two 2-story buildings, with the first floor utilized as an active garage operated by Empire City Subway, and the second floor functioning as an art gallery for Hauser & Wirth. Lot 29 abuts Lot 20 to the east. Lot 29 is currently not improved with any buildings and is used as a parking lot, also operated by Empire City Subway. High Line Park runs north to south over the western portion of Lot 29.

The Site is currently zoned C6-4 (Commercial and Mixed Use Residential). See Appendix B for relevant zoning and land usage documentation.

A USGS Topographic Map is included as Figure 1. A Site plan showing the Site property boundaries is included as Figure 2, a County Tax Map (with adjacent property owners) is included as Figure 3, a map showing surrounding property use is included as Figure 4 and a Floodplain Map is included as Figure 5.

Re-development plans for the Site are currently being evaluated. To date, a preliminary zoning analysis (massing) has been conducted. The massing study proposes a new residential condominium of approximately 340,000 gross square feet (GSF) above grade. The ground floor plan would extend beneath the High Line and be used for two (shared or separate) residential lobbies of approximately 8,000 SF. The ground floor would also include retail space of approximately 25,000 SF and the entrance for an attended parking garage. Parking will be roughly 30,000 SF below grade along with building amenities. The general cut to subgrade will be approximately 12’ below grade with an additional 3’-5’ local excavation at pile and caisson caps.

Project Schedule

The following is the proposed schedule for the project and covers the major milestones of the Program rather than listing each step. It is anticipated that this schedule has opportunity for compression.

- Submit BCP Application — April 2015
- DEC Eligibility Determination — April 2015
- DEC Letter of Completeness issued — April 2015
- Fact Sheet/Public Notice — April 2015

• 30 Day Public Comment Period	May – June 2015
• Notification of Project Acceptance / Draft BCA	June 2015
• Executed BCA	June 2015
• Develop bid specifications and award contracts	June – August 2015
• Submit RAWP and AA	September 2015
• NYSDEC review and comment on RAWP and AA	September 2015
• Perform Pre-Design Investigation	September 2015
• Resubmission of Revised RAWP and AA	October 2015
• 45 Day Public Comment Period	October - November 2015
• NYSDEC Final Approval of RAWP	December 2015
• NYSDEC issues Decision Document	December 2015
• Begin implementation of RAWP	January 2016
• Certificate of Completion Issued	January 2018

Attachment to Section VII - Property's Environmental History

Both Lots 20 and 29 were historically part of the West 18th Street Gas Works, a Manufactured Gas Plant (MGP) owned by the predecessors-in-interest of Consolidated Edison Company of New York, Inc. (Con Edison), from the mid-1800s to the early 1900s. The Site, while not subject to enforcement actions, was included within a Voluntary Cleanup Agreement (VCA) between Con Edison and NYSDEC [VCA # D2-0003-02-08 effective August 15, 2002]. Previous investigations performed onsite under the VCA identified petroleum impacts present in the subsurface of the Site typically at intervals within the range of 1-15 feet below ground surface (bgs), and MGP impacts present in the eastern portion of the Site (Lot 29) typically at intervals within the range of 18-30 feet bgs.

1. Environmental Reports

Several investigation reports (Reports) have been prepared for the Former West 18th Street Gas Works Site including the 2002 Site History Report by Parsons, the Site Characterization Study Report (SCS) completed by TRC in 2006, and the Draft Site Wide Remedial Investigation Report (RIR) completed by ARCADIS in 2009. The investigation and remediation activities were performed by either Con Edison or by property owners and/or developers.

Site specific information and data was extracted from the aforementioned Reports as well as the Limited Phase II Environmental Site Investigation completed by CORE Environmental in 2012 on Lot 20. Documents that were available are included as Appendix A. Pertinent information from the Reports is summarized below in order to present what is known and what is suspected with respect to the BCP development area on the Site.

2. Sampling Data and Known Contaminants

Previous investigations indicate the following Site-specific conditions:

- Evidence of petroleum-related impacts, which included odors and Light Non-Aqueous Phase Liquid (LNAPL), were widespread in the shallow water table aquifer and were typically detected from 1 ft below ground surface (bgs) to depths ranging to 15 ft-bgs. The petroleum is likely attributed to either the former operations of one or more underground storage tanks (USTs) that were operated within the Site footprint or the numerous petroleum spills that have been identified and documented in the vicinity of the Site;
- Petroleum odors were detected in vadose zone and shallow saturated fill sporadically beneath the portion of the Site facing West 18th Street. Soil Borings immediately adjacent to historical UST locations had elevated PID readings;
- Structures associated with the two former gas holders are present in the subsurface (holder bottoms at ~20 feet bgs) in proximity to the High Line Park foundations on the eastern-most portion of the Site (Lot 29);

- Evidence of MGP-residues (e.g., oil-like material [OLM], tar-like material [TLM], naphthalene odors, black staining) were detected as discrete narrow bands in six (6) soil borings within the subsurface interval measuring from 19 to 35 ft-bgs in the eastern-most portion of the Site (Lot 29);
- OLM and TLM were observed above the Silty-Clay Unit outside Holder 5 (the southern holder) and in an approximate 6-inch lens of coarse fill 34.5 feet beneath the West 18th Street sidewalk. TLM was observed in coarse fill within Holder 4 (the northern holder) but above the Holder 4 bottom (18.5 feet bgs). No OLM or TLM were observed in the bottom of Holder 5;
- Brown LNAPL with a strong petroleum odor was observed at boring SB-10 (8.4 to 8.8 ft-bgs) located within Holder 5 in vicinity of a current or former UST;
- Volatile Organic Compounds (VOCs), Total VOCs, Semi-volatile Organic Compounds (SVOCs), Total SVOCs and metals were detected in subsurface soil at concentrations exceeding NYSDEC Recommended Soil Closure Objectives (RSCOs). No pesticides, herbicides or PCBs were detected at concentrations in subsurface soil in excess of the NYSDEC RSCOs; and
- Concentrations of petroleum related VOCs in shallow groundwater exceeded the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSs). Two SVOCs were detected in excess of the NYSDEC AWQSs. One metal, thallium, was detected in excess of the NYSDEC AWQS in a duplicate sample.

Site-specific soil data is included as Tables 1-4. Previous sampling locations are shown on Figure 6. Field observations documented during previous investigations are depicted on Figure 7 and groundwater sampling results are shown on Figure 8.

3. Suspected Contaminants

Soil gas is anticipated to be impacted by documented site-wide onsite petroleum and other possible contamination (e.g., chlorinated VOCs), as well as possible MGP contamination in the eastern portion of the Site (Lot 29).

4. Known Sources of Contamination and Past Land Uses

Known sources of onsite contamination include:

1) Former and existing USTs associated with former gasoline station operations and present auto body/garage operations.

    a. Four historic petroleum spills have been documented onsite (NYSDEC Spill Numbers: 9414276, 9514181, 9612012, and 0905252. All four spills have been closed by NYSDEC; however, previous investigations have documented the presence of petroleum constituents in soil and groundwater beneath the Site.

2) Former gas holders 4 and 5 on Lot 29 associated with the operations of the Former West 18th Street Gas Works.

    a. Previous investigations have identified the isolated presence of deep MGP-related oil and tar impacts in the vicinity of the gas holders and the High Line Park foundation

5. Past Land Uses

Known past last uses include the following:

Lot 20 and 29 and their vicinity are believed to have been used for various industrial, commercial and residential uses in the early to mid-1800s.

The Manhattan Gas Light Company ("Manhattan") (a predecessor-in-interest to the Consolidated Edison Company of New York, Inc.) later purchased Lot 20 in 1870 and Lot 29 in 1848. Manhattan constructed a pair of large, open gas holders on Lot 29 and it is believed used Lot 20 for storage yard purposes, both in support of its West 18th Street Gas Works located on other parcels in the area.

Following Manhattan's sale of Lot 20 in 1919, a large garage was constructed on the 18th Street side that included buried gasoline tanks, and in 1947 a private garage was built on the 19th Street side. Both garage structures still stand today on Lot 20 with the first floor still used as an active garage and the second floor as an art gallery.

The two open gas holders on Lot 29 were razed in 1914 but their below-grade structures and foundations were left in place. Following Manhattan's sale of Lot 29 in 1917, it was used as a wagon yard, automobile parking lot, and commercial truck parking lot with a couple of small structures and underground gasoline tanks for a filling station. Today, Lot 29 continues to serve as a parking lot.

6. List of previous owners and operators with names, last known addresses and telephone numbers as an attachment. Description of relationship to requestor.

Block 690, Lot 20:

Period	Owners	Address	Relationship to Requestor	Operators	Relationship to Requestor	Address
1870 - 1885	Manhattan Gas Light Co.	Unknown	None	Unknown	None	Unknown
1885 - 1919	Consolidated Gas Company	Unknown	None	Consolidated Gas Company	None	Unknown
1919 - 1928	Morlana Realty	Unknown	None	Unknown	None	Unknown
1928 - 1978	United States Trucking Company	Unknown	None	United States Trucking Company	None	Unknown

Period	Owners	Address	Relationship to Requestor	Operators	Relationship to Requestor	Address
1978 - 1992	Cotard Realty Associates	362 Kingsland Avenue, Brooklyn, NY 11222 (718) 391-5323	None	The Roxy roller skating rink (2nd floor)	None	515 West 18th Street, New York, NY 10011
1992 - 2007	Semantic Realty LLC	362 Kingsland Avenue, Brooklyn, NY 11222 (718) 391-5300	None	The Roxy roller skating rink (2nd floor)	None	515 West 18th Street, New York, NY 10011
2007 - 2013	Semantic Realty LLC	362 Kingsland Avenue, Brooklyn, NY 11222 (718) 391-5300	None	Empire City Subway (1st Floor)	None	140 West St. New York, NY 10007 (212) 519-4922
2013- Dec 2014	Semantic Realty LLC	362 Kingsland Avenue, Brooklyn, NY 11222 (718) 391-5300	None	Empire City Subway (1st Floor) Hauser & Wirth (2nd Floor)	None	140 West St. New York, NY 10007 (212) 519-4922 32 East 69th St. New York, NY 10021 (212) 790-3900
Present	18th Highline Associates, L.L.C.	60 Columbus Circle, New York, NY 10023 (212) 801-1000	Same Entity	Empire City Subway (1st Floor) Hauser & Wirth (2nd Floor)	None	140 West St. New York, NY 10007 (212) 519-4922 32 East 69th St. New York, NY 10021 (212) 790-3900

*Phone numbers obtained through a Google search and therefore may not represent current contact information

Block 690, Lot 29:

Period	Owners	Address	Relationship to Requestor	Operators	Relationship to Requestor	Address
1848 – 1885	Manhattan Gas Light Co.	Unknown	None	Unknown	None	Unknown
1885 – 1917	Consolidated Gas Company	Unknown	None	Consolidated Gas Company	None	Unknown
1917 – 1933	NY State Realty and Terminal Co.	Unknown	None	Unknown	None	Unknown
1933 – 1959	NY Central Railroad Co.	Unknown	None	Unknown	None	Unknown
1959 – 1981	National Garage Co., Inc.	None	None	National Auto Renting Company, Inc.	None	Unknown
1981 - 2001	Cotard Realty Associates	362 Kingsland Avenue, Brooklyn, NY 11222 (718) 391-5323	None	Consolidated Rail Corporation	None	2 Commerce Square, 29th Floor, Philadelphia, PA 19103
2001 – 2007	Somatic Realty LLC	362 Kingsland Avenue, Brooklyn, NY 11222 (718) 391-5300	None	CSX Transportation, Inc.	None	500 Water Street, Jacksonville, FL 32203 (877) 744-7279
2007- Dec 2014	Somatic Realty LLC	362 Kingsland Avenue, Brooklyn, NY 11222 (718) 391-5300	None	Empire City Subway	None	140 West St. New York, NY 10007 (212) 519-4922
Present	18th Highline Associates, L.L.C.	60 Columbus Circle, New York, NY 10023 (212) 801-1000	Same Entity	Empire City Subway	None	140 West St. New York, NY 10007 (212) 519-4922

*Phone numbers obtained through a Google search and therefore may not represent current contact information

Attachment to Section VIII - Contact List Information

Hon. Bill de Blasio
Mayor of New York City
New York City Hall
New York, NY 10007
Phone: (212) 639-9675

Hon. Carl Weisbrod
Chair, City Planning Commission
22 Reade Street
New York, NY 10007-1216
Phone: (212) 720-3480
Fax: (212) 720-3488

Hon. Gale A. Brewer
Manhattan Borough President
1 Centre Street, 19th Floor
New York, NY 10007
Phone: (212) 669-8300
Fax: (212) 669-4305
info@manhattanbp.nyc.gov

Hon. Melissa Mark-Viverito
Speaker, City Council
105 East 116th Street
New York, NY 10029
Phone: (212) 828-9800
Fax: (212) 722-6378
http://www.council.nyc.gov/d8/html/members/home.shtml

Hon. Corey Johnson
Chair, Manhattan Community Board 4
330 West 42nd Street
Suite 2618
Phone: (212) 736-4536
Fax: (212) 947-9512
info@manhattancb4.org

Emily Lloyd
Commissioner, NYC Department of Environmental Protection
Bureau of Water and Sewer Operations
59-17 Junction Boulevard, 13th Floor
Flushing, NY 11373
http://www.nyc.gov/html/mail/html/maildep.html

515 West 18th Street, BCP Application
Attachment to Section VIII

Schools and Daycare Centers

Humanities Preparatory Academy
Jeannie Ferrari, Principal
351 West 18th Street
New York, NY 10011
Phone: (212) 929-4433
Fax: (212) 929-4445
https://sites.google.com/a/humanitiesprep.org/home/

N.Y.C. Museum School
Darlene Miller, Principal
333 West 17th Street
New York, NY 10011
Phone: (212) 675-6206
Fax: (212) 675-6524
http://schools.nyc.gov/SchoolPortals/02/M414/default.htm

M.S. 260 Clinton School Writers & Artists
Jonathan Levin, Principal
425 West 33rd Street
New York, NY 10001
Phone: (212) 695-9114
Fax: (212) 695-9611
http://schools.nyc.gov/SchoolPortals/02/M260/default.htm

P.S. 011 William T. Harris
Robert Bender, Principal
320 West 21st Street
New York, NY 10011
Phone: (212) 929-1743
Fax: (212) 989-7816
http://schools.nyc.gov/SchoolPortals/02/M011/default.htm

The Lorge School
David Osman
353 West 17th Street
New York, NY 10011
Phone: (212) 929-8660
Fax: (212) 989-8249
David.Osman@lorgeschool.org

The General Theological Seminary
Rev. Kurt H. Dunkle, Dean
440 West 21st Street
New York, NY 10011
Phone: (212) 243-5150
Fax: (212) 727-3907
http://www.gts.edu/

Guardian Angel School
Maureen McElduff, Principal
193 10th Avenue
New York, NY 10011
Phone: (212) 989-8280
Fax: (212) 352-1467
mmcelduff@guardianangelschool-nyc.org

Day Nursery of San Jose
Sacred Heart Residence
432 West 20th Street
New York, NY 10011
Phone: (212) 929-5790
Fax: (212) 924-0891
sacredheartresidence@hotmail.com

Newspapers

New York Times
229 West 43rd Street
New York, NY 10036
Phone: (212) 556-3622

New York Daily News
450 W 33rd St New York, NY 10001
Phone: (212) 210-2100
Fax: (212) 643-7831

New York Post (Public Notice will be posted in the New York Post)
1211 Avenue of the Americas
New York, NY 10036-8790
Phone: (212) 930-8700

Local Community Newspaper

515 West 18th Street, BCP Application
Attachment to Section VIII

Chelsea Clinton News
Manhattan Media
79 Madison Avenue
New York, NY 10016
Tel: (212) 268-8600
www.manhattanmedia.com

Library for use as Project Repository

New York Public Library (consent letter attached)
Muhlenberg Branch
Ashley Forrest Curran, Branch Manager
209 West 23rd Street (near Seventh Avenue)
New York, NY
Phone: (212) 924-1585
http://www.nypl.org

Residents, owners, and occupants of the property and properties adjacent to the property:
Source: Digital Tax Map- New York City Dept. of Finance

BLOCK: 690

Lot	Subject Property Address	Operators Name & Mailing Address	Owners Name & Mailing Address
20	511 West 18th Street New York, New York 10011 Commercial and Office Buildings (2 Buildings / 2 Floors / 2 Units)	Empire City Subway 140 West Street New York, NY 10007 Hauser & Wirth 32 East 69th Street New York, NY 10021	18th Highline Associates, L.L.C. 60 Columbus Circle New York, NY 10023
29	131 10th Avenue New York, NY 10011 Parking Facility	Empire City Subway 140 West Street New York, NY 10007 212-519-4922	18th Highline Associates, L.L.C. 60 Columbus Circle New York, NY 10023
40	512 West 19th Street New York, New York 10011 Commercial and Office Buildings (1 Building/4 Floors / 4 Units)	The Kitchen Building Management 512 West 19th Street New York, NY 10011	Haleakala, Inc. 512 West 19th Street New York, NY 10011
42	520 West 19th Street New York, New York 11106 Condominium	20 West 19th Street Condominium 516 West 19, LLC 430 West 14th Street, 5th Floor New York, NY	516 West 19th, LLC c/o Bishopscourt Realty, LLC 430 West 14th Street, 5th Floor New York, NY 10014

12	555 West 18th Street New York, New York 10011 Commercial and Office Buildings (1 Building /10 Floors / 10 Units)	Responsive Realty, LLC 362 Kingsland Avenue Brooklyn, NY 11222	IAC/Georgetown 19th Street 667 Madison Avenue New York, NY 10021
46	524 West 19th Street New York, NY 10011 Condominium (1 Building/11 Floors/8 Units)	Building Management 524 West 19th Street New York, NY 10011	HEEA Development LLC 276 Riverside Drive New York, NY 10025

BLOCK: 691

Lot	Adjacent Property Addresses	Operators Name & Mailing Address	Owners Name & Mailing Address
29	153 10th Avenue New York, New York 10011 Mixed Residential and Commercial (1Building/x Floors / 36 Units)	The City of New York c/o Dept. of Parks and Recreation The Arsenal 830 Fifth Avenue New York, NY 10065	HFZ Highline Property c/o The Carlyle Group 520 Madison Avenue, 39th Floor New York, NY 10022

BLOCK: 689

Lot	Adjacent Property Addresses	Operators Name & Mailing Address	Owners Name & Mailing Address
17	501 West 17th Street New York, New York 10011 Parking Facility	CSX Transportation, Inc. 500 Water Street Jacksonville, FL 32202	HLP Properties, LLC c/o Edison Properties, LLC 100 Washington Street Newark, NJ 07102

BLOCK: 715

Lot	Subject Property Address	Operators Name & Mailing Address	Owners Name & Mailing Address
1	130 10th Avenue New York, New York 10011 Mixed Residential and Commercial (1 Building / 4.5 Floors / 5 Units)	La Lunchonette Building Management 130 10th Ave New York, NY 10011	10th Avenue River LLC 136 10th Avenue New York, NY 10011
2	132 10th Avenue New York, New York 10011 Mixed Residential and Commercial (1 Building / 3 Floors / 1 Unit)	Current Occupant 132 10th Avenue New York, New York 10011	132 Tenth Avenue LLC 136 10th Avenue, 3rd Floor New York, NY 10011

3	134 10th Avenue New York, NY 10011 Mixed Residential and Commercial (1 Building / 4 Floors / 3 Units)	Current Occupant 134 10th Avenue New York, NY 10011	134 10th Ave. LLC 23 Langdon Place Lynbrook, NY 11563
4	136 10th Avenue New York, New York 10011 Mixed Residential and Commercial (1 Building / 5 Floors / 5 Units)	Holly Ellen Zausner or Current Occupant 136 10th Avenue New York, New York 10011	136-38 Tenth Avenue LLC 136-38 10th Avenue New York, NY 10011
66 or 7505	456 West 19th Street New York, NY 10011 Condominium (1 Building/11 Floors/8 Units)	Building Management 456 West 19th Street New York, NY 10011	456 West 19th Street, LLC c/o Tamarkin Co. 56 West 22nd Street, 5th Floor New York, NY 10010

BLOCK 715

Lot	Adjacent Property Addresses	Operators Name & Mailing Address	Owners Name & Mailing Address
63	128 10th Avenue New York, NY 10011 Commercial and Office Buildings (1 Building / 1 Floors / 1 Units)	Star on 18th Diner Building Management 128 10th Avenue New York, NY 10011	10th Avenue Kostas, LLC 23-34 Sound Street Astoria, NY 11105

BLOCK 717

Lot	Adjacent Property Addresses	Operators Name & Mailing Address	Owners Name & Mailing Address
1	146 10th Avenue New York, NY 10011 Mixed Residential and Commercial (1 Building / 5 Floors / 17 Units)	Moran's Chelsea Building Management 146 10th Avenue New York, NY 10011	146-150 Tenth Associates LLC c/o Hidrock Realty 65 West 36th Street New York, NY 10018

New York Public Library

March 20, 2015

Re: 511 West 18th Street and 131 10th Avenue NY, NY Document Repository

Dear Mrs. Carroll,

The Muhlenberg Branch of the New York Public Library will serve as the document repository for the above-referenced project. The project is in the New York State Department of Environmental Conservation Brownfield Cleanup Program (NYSDEC BCP) and under the Program, final reports will be maintained at this location for public review.

Should you have any questions, please call me at 212-924-1585.

Sincerely,

Lateshe Lee
Library Manager

212.924-1585
lateshelee@nypl.org

Attachment to Section IX – Land Use Factors

1. Summary of Business Operations

The following is an overall description of the business operations within the BCP Site:

Lot 20 is currently improved with two buildings; both building are two stories with a slab on grade foundation. While both buildings' exteriors are separate, their interior space has been connected. The first floor of both buildings functions as an active garage operated by Empire City Subway. The second floor functions as an art gallery operated by Hauser & Wirth. Lot 29 abuts Lot 20 to the east, is not improved with any buildings, and is currently used as a parking lot by Empire City Subway. High Line Park runs north to south over the western portion of Lot 29.

2. Intended Use Post Remediation

Preliminary redevelopment plans propose the construction of a new residential condominium of approximately 340,000 GSF above grade. The ground floor plan will extend beneath the High Line and be used for two residential lobbies of approximately 10,000 SF. The ground floor will also include retail space of approximately 15,000 SF and the entrance for a parking garage. The garage will be about 30,000 SF below grade.

10. Are there any important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile?

The High Line Park, an elevated and open recreational walkway, runs north to south over the western portion of Lot 29. The High Line was built in the 1930s, as part the West Side Improvement Project. It lifted freight traffic 30 feet in the air, removing dangerous trains from the streets of Manhattan's largest industrial district. No trains have run on the High Line since 1980. In 1999, when the structure was under threat of demolition, Friends of the High Line, a community-based non-profit group, formed a partnership with the City of New York to preserve and maintain the structure as an elevated public park.

11. Are there important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species within ½ mile?

The Hudson River is located approximately 388 feet southwest of the Site. All stormwater and surface water drainage is controlled by NYCDEP sewers. There is no overland flow to the Hudson River.

12. Are there floodplains within ½ mile of the site?

According to the most recent FEMA Flood Insurance Rate Map (FIRM) Panel (Panel 194, dated 12/05/2013), a portion of the Site (the majority of Lot 29 and the eastern section of Lot 20) is located within the 100 year floodplain. The remainder of the Site is located within the 500 year floodplain (See Figure 5).

14. Describe the proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas.

The Site incorporates approximately 1.05 acres of fairly level land situated in the City of New York, New York County, New York. The Site is currently zoned C6-4 for Commercial and Mixed Uses (See Appendix B for relevant documentation). The following is a description of its proximity to the land use categories listed above:

- **Residential:** The buildings onsite contain no residential units. One 2-family residence is located northeast of the Site, with mixed residential and commercial properties adjacent to the east and west of the Site.
- **Urban:** The Soil Conservation Survey identifies nearly all land in the surrounding area as Urban Land (i.e., fully developed, with surface coverage of more than 50%).
- **Commercial**: The BCP Site is located within an area of interspersed commercial land use, both mixed use buildings with first floor commercial spaces and residential floors above and mixed use commercial/office space buildings.
- **Industrial:** City Planning databases indicate that industrial and manufacturing use is located north of the Site.
- **Agricultural:** There are no agricultural areas located around the Site; all surrounding areas are considered to be urban. There may be undocumented community gardens within a mile of the Site, but they would be located on rooftops, vacant lots, or other assemblages typically found within an urban setting.
- **Recreational:** The High Line Park, an elevated and open recreational walkway, runs north to south over the western portion of Lot 29. Chelsea Piers Sports & Entertainment Complex is located approximately 500 feet west of the Site.

See Figure 4 for surrounding property usage.

15. Describe the potential vulnerability of groundwater to contamination that might migrate from the property, including proximity to wellhead protection and groundwater recharge areas.

Public water supply wells do not exist within the BCP Site or in the vicinity of the Site. Based on previous environmental investigations (appended to this Application), groundwater is expected to be between 8 and 9 feet below grade. It is unlikely that the Site is a major source of recharge, because the Site is completely capped and is expected to remain capped following the redevelopment contemplated within this Application, and surface drainage is directed to the New York City combined sewer system. Groundwater in New York City is not considered a potable source of water. The entire area is supplied by the NYC water system that is sourced from upstate reservoirs.

16. Describe the geography and geology of the site.

The Site incorporates approximately 1.05 acres of fairly level land situated on the west side of Manhattan near the Hudson River. The Site is mapped on the Brooklyn, NY; Central Park NY-NJ;

Jersey City, NY-NJ; and Weehawken, NY-NJ 7.5' Topographic Quadrangles, published by the United States Geological Survey (USGS). Review of the topographic map indicates that the Site is located approximately 8-11 feet above sea level (NGVD 1988).

The Site is located in the West Chelsea section of the Borough of Manhattan. The entire area is fully developed and is estimated to have been developed for the last century. All surface topography, exclusive of areas set aside (e.g., City Parks) has been impacted by development and may no longer reflect the original pre-development layout. A mix of historic fill material and native sands, silts and glacial till, is expected to underlay the Site and surrounding areas.

The Site is situated within the Manhattan Prong region of the Highlands Province, characterized by highly deformed Paleozoic to Proterozoic metasedimentary and metaigneous rocks. The bedrock under the Property is mapped as Carmbrian-aged schist from the Hartland Formation (Merguerian 1983) which slopes from the northeast to the southwest. It is mapped as the structurally highest, upper schist unit (€-Oh) which is predominantly well layered, gray-weathered, fine- to coarse-grained, muscovite-quartz-biotiteplagioclase-kyanite-garnet schist, gneiss, and granofels with cm- and m-scale layers of greenish amphibolite±garnet. According to previous investigations, bedrock was encountered between 45 and 86 feet below grade (ARCADIS, 2009).

Groundwater is expected to be between 8 and 9 feet below ground surface. Regional groundwater flow is expected to be westerly towards the Hudson River; local groundwater follow is assumed to be the same.

No wetlands or surface water bodies are present at the Site. The nearest surface water body is the Hudson River, located approximately 388 feet southwest of the Site.

METES AND BOUNDS

TitleVest Order #: 437-NY-362679

Schedule A (Description)

PARCEL I

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, City of New York, County of New York, State of New York, bounded and described as follows:

BEGINNING at a point on the northerly side of Eighteenth Street, one hundred twenty-five feet westerly from the corner formed by the intersection of the westerly side of Tenth Avenue with the northerly side of Eighteenth Street;

RUNNING THENCE northerly parallel with the westerly side of Tenth Avenue, ninety-two feet to the center line of the block;

THENCE westerly along the center line of the block, two hundred feet;

THENCE southerly again parallel with the westerly side of Tenth Avenue, ninety-two feet to the northerly side of Eighteenth Street;

THENCE easterly along the said northerly side of Eighteenth Street, two hundred feet to the point or place of BEGINNING.

PARCEL II

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City of New York, County of New York, State of New York, and known and designated on a Map entitled "Map of land belonging to Samuel Boyd, Esq., made by George B. Smith, City Surveyor, January 24, 1826" as Number One hundred and thirty-eight (138) bounded and described as follows:

NORTHERLY in front by Nineteenth Street;

EASTERLY by Lot Number one hundred and thirty-seven (137);

SOUTHERLY in the rear by the rear of Lot Number one hundred and fifty-three (153) on said map and

WESTERLY by Lot Number one hundred and thirty-nine (139) on said map.

Said lot containing in breadth and front and rear, twenty-five (25) feet and in length on each side, ninety-two (92) feet. The above mentioned map being filed in the Office of the Register of the County of New York on June 10, 1835 as Map No. 317.

FOR CONVEYANCING ONLY, if intended to be conveyed: Together with all rights, title and interest of, in and to any streets and roads abutting the above described premises, to the center line thereof.

TitleVest Order #: 437-NY-362679

Schedule A (Description)

PARCEL III

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City of New York, County of New York, State of New York, and known and designated on a map entitled "Map of land belonging to Samuel Boyd, Esq., made by George B. Smith, City Surveyor, January 24, 1826" as number 137, bounded and described as follows:

NORTHERLY in front by 19th Street;

EASTERLY by lot number 136 on said map;

SOUTHERLY in the rear by the rear of lot number 154 on said map; and

WESTERLY by lot number 138 on said map.

Said lot containing in breadth and front and rear, 25 feet and in length on each side, 92 feet;

The above mentioned map being filed in the Office of the Register of the County of New York on June 10, 1835 as Map No. 317.

Said plots, pieces or parcels of land when taken together are further bounded and described as follows:

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at a point on the northerly side of West 18th Street distant 125 feet westerly from the corner formed by the intersection of the westerly side of Tenth Avenue with the northerly side of West 18th Street;

RUNNING THENCE northerly, parallel with 10th Avenue, 184 feet to the southerly side of West 19th Street;

THENCE westerly along the southerly side of West 19th Street, 50 feet to a point;

THENCE southerly, parallel with 10th Avenue, 92 feet to a point;

THENCE westerly along a line forming an angle of 90 degrees 00 minutes 08 seconds on its northerly side with the previous course, 150 feet to a point,

THENCE southerly, parallel with 10th Avenue, 92 feet to the northerly side of West 18th Street;

THENCE easterly along the northerly side of West 18th Street, 200 feet to the point or place of BEGINNING.

FOR INFORMATION ONLY: Said premises also known as 511 West 18th Street, New York NY.

FOR CONVEYANCING ONLY, if intended to be conveyed: Together with all rights, title and interest of, in and to any streets and roads abutting the above described premises, to the center line thereof.

TitleVest Order #: 437-NY-362685

Schedule A (Description)

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at the corner formed by the intersection of the westerly side of 10th Avenue with the northerly side of West 18th Street; running

THENCE westerly along the northerly side of West 18th Street, 125 feet;

THENCE northerly, parallel with 10th Avenue, 184 feet to the southerly side of West 19th Street; and

THENCE easterly, along the southerly side of West 19th Street, 125 feet to the corner formed by the intersection of the said southerly side of West 19th Street with the westerly side of 10th Avenue;

THENCE southerly, along the westerly side of 10th Avenue, 184 feet to the corner, the point or place of BEGINNING.

FOR INFORMATION ONLY: Said premises also known as 131 10th Avenue, New York, NY.

FOR CONVEYANCING ONLY, if intended to be conveyed: Together with all rights, title and interest of, in and to any streets and roads abutting the above described premises, to the center line thereof.

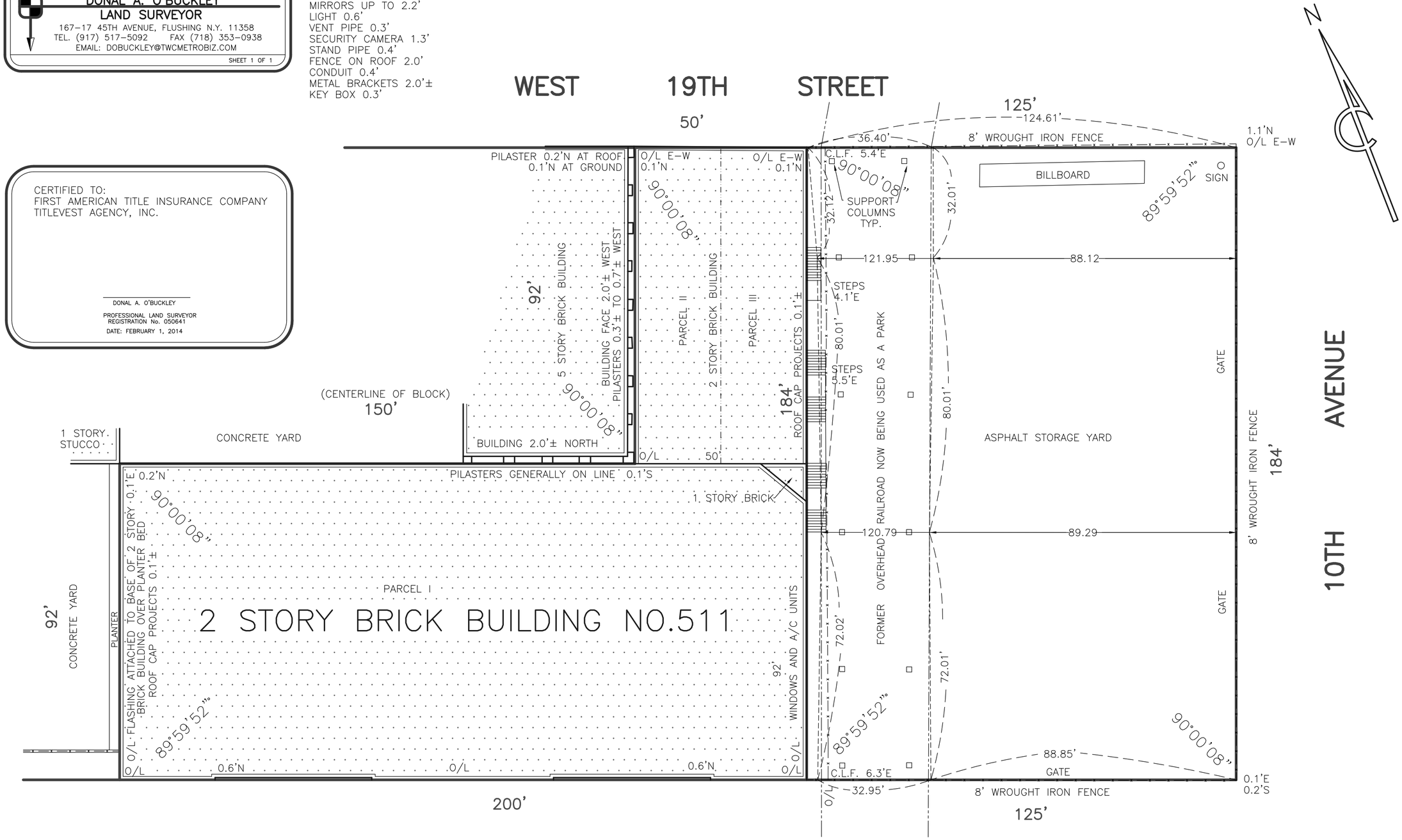
DONAL A. O'BUCKLEY
LAND SURVEYOR
167-17 45TH AVENUE, FLUSHING N.Y. 11358
TEL. (917) 517-5092 FAX (718) 353-0938
EMAIL: DOBUCKLEY@TWCMETROBIZ.COM

SHEET 1 OF 1

CERTIFIED TO:
FIRST AMERICAN TITLE INSURANCE COMPANY
TITLEVEST AGENCY, INC.

DONAL A. O'BUCKLEY
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 050641
DATE: FEBRUARY 1, 2014

PROJECTIONS BEYOND NORTH BUILDING FACE:
FIRE ESCAPE UP TO 5.5'
MIRRORS UP TO 2.2'
LIGHT 0.6'
VENT PIPE 0.3'
SECURITY CAMERA 1.3'
STAND PIPE 0.4'
FENCE ON ROOF 2.0'
CONDUIT 0.4'
METAL BRACKETS 2.0'±
KEY BOX 0.3'



PROJECTIONS BEYOND SOUTH BUILDING FACE
SECURITY CAMERAS UP TO 0.8'
LIGHTS 0.6'
BUMPERS 0.1'±
ORNAMENTAL TRIM UP TO 1.0'±
MIRRORS 1.9'
ROLLGATE 1.5'
STANDPIPES UP TO 0.8'
SENSOR PIPE 0.1'
ALARM BELL 0.4'
VENT PIPE 0.3'
CONDUIT BOX 0.4'
SIGN 0.1'
KEY BOX FOR ROLL GATES UP TO 0.2'±
WATER TABLE 0.2'

NOTES:
1. THIS SURVEY WAS DONE FOR TITLEVEST AGENCY, INC. AND IS INTENDED TO BE USED FOR TITLE PURPOSES ONLY.
2. NO GUARANTEE IS IMPLIED BY THIS MAP AS TO THE EXISTENCE OR NONEXISTENCE OF ANY EASEMENTS OF RECORD THAT WOULD AFFECT SUBJECT PROPERTY, UNLESS SURVEYOR HAS BEEN FURNISHED WITH A COMPLETE COPY OF TITLE REPORT.
3. THIS MAP WAS MADE AT A SCALE OF 1" = 20' WHEN ORIGINALLY DRAWN
4. PROPERTY CORNER MONUMENTS WERE NOT PLACED AS PART OF THIS SURVEY.
5. IT IS A VIOLATION OF THE STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY.
6. THIS IS TO CERTIFY THAT THERE ARE NO VISIBLE STREAMS NOR NATURAL WATER COURSES IN THE PROPERTY EXCEPT AS SHOWN ON THIS SURVEY.
7. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITHIN AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

0 1 2 3
ORIGINAL SIZE IN INCHES

511 WEST 18TH STREET & 131 10TH AVENUE
BOROUGH OF MANHATTAN, COUNTY OF NEW YORK, STATE OF NEW YORK
TAX MAP BLOCK 690, LOTS 20 & 29

TITLE NO.:
437-NY-362685
437-NY-362679

CERTIFICATE OF AUTHORITY

18th Highline Associates, L.L.C.

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through March 31, 2015.

Selected Entity Name: 18TH HIGHLINE ASSOCIATES, L.L.C.

Selected Entity Status Information

Current Entity Name:	18TH HIGHLINE ASSOCIATES, L.L.C.
DOS ID #:	4559954
Initial DOS Filing Date:	APRIL 10, 2014
County:	NEW YORK
Jurisdiction:	DELAWARE
Entity Type:	FOREIGN LIMITED LIABILITY COMPANY
Current Entity Status:	ACTIVE

Selected Entity Address Information

DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)

C/O CORPORATION SERVICE COMPANY
80 STATE STREET
ALBANY, NEW YORK, 12207

Registered Agent

NONE

This office does not require or maintain information regarding the names and addresses of members or managers of nonprofessional limited liability companies. Professional limited liability companies must include the name(s) and address(es) of the original members, however this

information is not recorded and only available by viewing the certificate.

***Stock Information**

# of Shares	Type of Stock	$ Value per Share
No Information Available		

*Stock information is applicable to domestic business corporations.

Name History

Filing Date	Name Type	Entity Name
NOV 14, 2014	Actual	18TH HIGHLINE ASSOCIATES, L.L.C.
APR 10, 2014	Actual	18TH STREET HIGHLINE ASSOCIATES, L.L.C.

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

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Appendix A: Previous Reports (on CD)

- Site History Report, Parsons, August 2002
- Site Characterization Study Report, TRC, 2006
- Former West 18th Street Gas Works, ARCADIS, December 2009
- Limited Phase II ESI, Core Environmental, March 2012

Appendix B: Land Use Factors

- City Environmental Quality Review (CEQR) Technical Memorandum [03DCP069M] for the Special West Chelsea Re-Zoning District dated June 22, 2005
- New York City Planning Commission Zoning Map 8b
- Zoning Opinion for the Development Site

TECHNICAL MEMORANDUM

Proposed Modifications to Special West Chelsea District Zoning Map and Text Amendments Application at New York City Council (N 050161(A) ZRM)

June 22, 2005

The City Planning Commission (CPC), acting as lead agency, certified the Final Environmental Impact Statement (FEIS) for the Special West Chelsea District Rezoning and High Line Open Space project as complete on May 13, 2005. The FEIS assessed the effects of the proposed action as well alternatives to the proposed action, including Alternative F (the Revised Affordable Housing Alternative).

Subsequent to completion of the FEIS, a Technical Memorandum, dated May 25, 2005, was prepared to assess the potential effects of proposed modifications by the CPC to the Special West Chelsea District Rezoning ULURP No. (N 050161(A) ZRM). The CPC modifications generally related to height, setback and bulk regulations and did not change permitted density or floor area transfer mechanisms. They did not affect the total amount of development analyzed under Alternative F in the FEIS, which consisted of the following: 5,329 total dwelling units (DUs), of which 768 would be low-moderate income affordable housing units; 229,976 sf of retail; 198,726 sf of community facility; and decreases of 812,394 sf of office; 131,100 sf of hotel; 136,802 sf of storage/manufacturing; 228,409 sf of parking/auto; and 4,080 sf of vacant space. Additional changes to lot coverage and existing adult use establishments did not change permitted density or floor area transfers. Development under the CPC modifications occurred on the same 28 projected and 25 potential development sites as under Alternative F. Furthermore, the CPC modifications did not affect the creation and design of the proposed 5.9-acre public open space on the High Line. The May 25, 2005 Technical Memorandum concluded that the CPC modifications would not result in significant adverse environmental impacts not already identified in the FEIS.

On May 25, 2005, the CPC voted to adopt Alternative F, with the proposed modifications assessed in the May 25 technical memorandum.

Pursuant to the City's Uniform Land Use Review Procedure, the New York City Council (the "Council") has now proposed certain additional amendments to the CPC-approved Special West Chelsea District Rezoning. These are described below and their potential for creating significant adverse environmental impacts not already identified in the FEIS is assessed herein.

I. DESCRIPTION OF COUNCIL MODIFICATIONS

Zoning Text Amendments

1. Modifications of permitted maximum height

- Subarea C maximum building height would be reduced from 145 feet to 125 feet.

2. Modifications of density increases

The mechanisms to increase from base to maximum FAR would be modified from the CPC adopted application as follows:

- C6-2 districts: the inclusionary housing bonus (IHB) is eliminated for increasing from base FAR to maximum FAR.
- C6-3 districts: the base FAR would remain at 5.0; this could be increased to 6.25 through High Line Transfer (was 6.65); with High Line Transfer/IHB a maximum FAR of 7.5 would be allowed (no change in maximum FAR).
- C6-4 districts: the base FAR would be reduced from 7.5 to 6.5; FAR could be increased up to 9.5 through the High Line Transfer, same as under the CPC application; FAR could be further increased to 12.0 through the IHB, a change in the mechanism. The IHB would not apply to the C6-4 district in Subarea H, where the maximum FAR would remain 10.0.
- Subarea I: the High Line Improvement Bonus eligible in Subarea I would increase from 1.5 to 2.5 FAR.

These changes are summarized in tabular form below.

CPC Adopted	**C6-2**	**C6-3**	**C6-4***
	FAR	**FAR**	**FAR**
Base FAR	5	5	7.5
Through High Line Transfer	5.65	6.65	9.15
Through High Line Transfer / IHB	6	7.5	10
Through IHB			12
Council Modifications			
Base FAR	5	5	6.5
Through High Line Transfer	6	6.25	9.15
Through High Line Transfer / IHB		7.5	
Through IHB			12

* Does not apply to C6-4 district in Subarea H

Additional changes to affordable housing provisions would include the following:

* Permit City, State, and Federal programs in inclusionary program

* Tiering of inclusionary bonus to higher income levels

* Affordable housing fund – After 90 percent of the High Line Transfer Corridor floor area is transferred to receiving sites or is otherwise used, as an alternative to the High Line transfer, an increase in floor area would be permitted in exchange for contributions to an Affordable Housing Fund. The contribution amount per square foot would be determined by the City Planning Commission at the time that the fund is established.

* Inclusionary bonus also applies to conversions.

The proposed Council modifications do not include any zoning map changes.

II. POTENTIAL FOR SIGNIFICANT ADVERSE ENVIRONMENTAL IMPACTS FROM PROPOSED CHANGES TO ALTERNATIVE F

Changes to Reasonable Worst Case Development Scenario due to Council Modifications

There would be no change in the overall amount of net development expected to occur as a consequence of the Council modifications as compared to Alternative F and the CPC approved modifications. Development would occur at the same density on the 28 projected and 25 potential development sites identified for Alternative F and the CPC approved modifications. This includes increases of 5,329 DUs; 229,976 sf of retail; 198,726 sf of community facility; and decreases of 812,394 sf of office; 131,100 sf of hotel; 136,802 sf of storage/manufacturing; 228,409 sf of parking/auto; and 4,080 sf of vacant space.

However, the changes in FAR bonus mechanisms related to affordable housing units are expected to result in a higher number of affordable units. While Alternative F and the CPC approved modifications would generate 768 new affordable dwelling units, the Council modifications would generate 967 new affordable dwelling units. As the overall number of net dwelling units would remain at 5,329, the number of market rate units would be 4,362 as compared to 4,561.

Therefore, while the effects of the Council modifications would be generally similar to those of Alternative F and the CPC approved modifications, technical areas affected by the number of affordable housing units would experience somewhat different effects under the Council modifications. This would include technical areas affected by the size of the action-generated population, as low-moderate income units are expected to have somewhat larger household sizes than market-rate units.

The change in building heights in Subarea C, along Tenth Avenue, would result in changes to Sites 6, 8, and 11. These sites would be developed with 125-foot tall buildings rather than 145-

foot tall buildings anticipated under the CPC approved modifications. The height change would not affect Projected Development Site 9, also located along Tenth Avenue in Subarea C, which is currently occupied by an approximately 125-foot commercial building which would be converted to residential and retail uses under With-Action conditions.

A. Land Use, Zoning, and Public Policy

The proposed modifications would alter height regulations in Subarea C. This would result in somewhat shorter buildings on some development sites than proposed under the CPC Modifications. Sites with the shorter maximum building heights would have the same regulations as originally contained in Alternative F in the FEIS. There would be no changes to the proposed zoning map amendment or to the proposed density regulations analyzed for Alternative F. The land uses expected as a result of these modifications would be the same as expected under Alternative F, except that there would be a greater number of affordable housing units. There would be 967 affordable housing units, 199 more than the 768 affordable housing units anticipated under Alternative F and the CPC modifications. The Council modifications would also result in the creation of a 5.9-acre publicly accessible open space on the High Line.

As the overall amount of projected development with the Council Modifications generally would be the same as Alternative F, although involving a higher number of affordable housing units, the land use, zoning, and public policy effects would be substantially similar. As was the case with Alternative F and the CPC modifications, the proposed Council modifications would have positive effects on land use and would not result in significant adverse impacts to land use, zoning, or public policy.

B. Socioeconomic Conditions

The proposed Council modifications would result in the same general socioeconomic effects as would occur under Alternative F and the CPC modifications. Under the Council modifications, 199 more affordable housing dwelling units would be developed although the overall amount of residential development would be the same, with 5,329 net DUs. The increased number of affordable housing units would result in 172 additional residents, for a net total of 9,572 action-generated residents as compared to 9,400 for Alternative F and the CPC modifications. In addition, the net change in non-residential development would be the same as with Alternative F and the CPC modifications. Therefore, the socioeconomic benefits to businesses generated by the increase in residential development for the Council modifications would be very similar to those generated by Alternative F and the CPC modifications. The effects with respect to direct and indirect displacement effects on residents and businesses, and effects on specific industries would be the same.

As would be the case for Alternative F and the CPC modifications, the proposed Council modifications would have positive effects on socioeconomic conditions and would not result in significant adverse impacts related to socioeconomic conditions.

C. Community Facilities and Services

Although there would be no change in the overall number of net dwelling units, the proposed Council modifications would result in 967 affordable housing units, as compared to 768 for Alternative F and the CPC modifications. As a result, there would be 172 more residents generated, with 9,572 under the Council modifications as compared to 9,400 for Alternative F and the CPC modifications. As there would be more affordable housing units and a larger overall population, the Council modifications have the potential to have greater effects on community facilities and services than those previously identified for Alternative F in the FEIS. These effects are identified and assessed below.

Elementary and Intermediate Schools

Under the Council modifications, there would be 552 additional elementary school students, as compared to 548 for Alternative F. As a result, in Region 3 of CSD 2 the utilization rate for elementary schools would increase over No-Action conditions, from 125 percent with a shortfall of 649 seats, to a utilization rate of 147 percent with a shortfall of 1,201 seats (compared to 147 percent and a deficiency of 1,197 seats with Alternative F). In CSD 2 as a whole, the elementary school utilization rate would increase over No-Action conditions, from 109 percent with a shortfall of 1,334 seats, to a utilization rate of 112 percent and a deficiency of 1,886 seats. As with Alternative F, the Council modifications would result in a greater than 5 percent increase in the deficiency of available elementary schools seats over No-Action conditions (85 percent and 41 percent, respectively) and therefore it would result in a significant adverse impact on public elementary schools in Region 3 and CSD 2 as a whole.

Under the Council Modifications, there would be 116 additional intermediate school students, as compared to 114 for Alternative F. For intermediate schools in Region 3 of CSD 2, the utilization rate would increase over No-Action conditions, from 93 percent with 61 available seats, to a utilization rate of 107 percent with a shortfall of 55 seats (compared to 107 percent and a deficiency of 53 seats with Alternative F). As there is not expected to be a deficit under No-Action conditions, a percentage increase in deficiency cannot be calculated. However, the deficit in seats at intermediate schools in Region 3 under this alternative in 2013 would be relatively small both in absolute terms and as a percentage of total capacity, since it would be only 2 seats more than the Alternative F demand. Therefore, as with Alternative F, the Council modifications would not have a significant adverse impact on intermediate schools in Region 3.

For intermediate schools in CSD 2 as a whole, the utilization rate would increase over No-Action conditions, from 117 percent with a shortfall of 1,164 seats, to a utilization rate of 119 percent with a shortfall of 1,280 seats (compared to 119 percent and a deficiency of 1,278 seats with Alternative F). As with Alternative F, the Council modifications would result in a greater than 5 percent increase in the deficiency of available intermediate school seats over No-Action conditions (10 percent) and therefore it would result in a significant adverse impact on public intermediate schools in CSD 2.

High Schools

With the Council modifications, there would be approximately 179 new high school students within the proposed action area. As a result, there would be a shortfall of 2,104 seats in Manhattan high schools, with utilization at 104 percent of capacity. This represents a 9 percent increase in deficiency of high school seats over the No-Action conditions. This is slightly higher than Alternative F, which would result in a shortfall of 2,100 seats, also with a utilization rate of 104 percent, and a 9 percent increase in deficiency of high school seats over the No-Action conditions. The Council modifications, like Alternative F, result in a greater than 5 percent increase in deficiency in high school seats, potentially indicating a significant impact. However, since students may elect to attend high schools throughout the city, and could be accommodated without constraining overall capacity, no significant adverse impact to high schools in Manhattan is expected to occur as a result of the Council modifications (as is the case for Alternative F).

Libraries

With a net increase of 4,362 market-rate and 967 affordable housing DUs, the Council modifications would generate 9,572 new residents in the Muhlenberg Branch catchment area. Under No-Action conditions, the population in the Muhlenberg Branch catchment area would be 154,420 new residents by year 2013. Under the Council modifications, the population would increase to 163,992. This represents an increase of 6.2 percent residents over the No-Action population. The Council modifications increase would be 0.1 percentage point higher than Alternative F, which would add 9,400 residents, a 6.1 percent increase over the No-Action population.

As discussed in Chapter 4 of the FEIS, if a proposed action would increase the study area population by 5 percent or more over No-Action levels, a significant impact could occur if this increase would impair the delivery of library services. Significant impacts would warrant consideration of mitigation. However, as stated in the *No. 7 Subway Extension - Hudson Yards Rezoning and Development Program FGEIS (November 2004, CEQR No. 03DCP031M),* the New York Public Library (NYPL) has indicated that projected increases in local library population attributed to the Hudson Yards project (through complete build-out in 2025), the West Chelsea rezoning, and other developments in the area could be accommodated by the library system's existing resources (the Hudson Yards library analysis included the Columbus Branch library at 742 Tenth Avenue, as well as the Muhlenberg Branch). In addition, the proximity of the Jefferson Market Branch Library as well as Midtown Manhattan's Central Libraries, with their extensive resources, to the West Chelsea proposed action area would help to absorb demand on library resources in the proposed action area. Therefore, as with Alternative F analyzed in the FEIS, no significant adverse impact to public libraries is expected to occur as a result of the Council modifications.

Health Care Facilities

With 967 affordable housing units, the Council modifications would generate 2,418 new residents to add to the health care facility demand in the outpatient health care facilities study area. The Council modifications would generate 1,581 visits, a 1.9 percent increase over No-

Action conditions compared to an increase of 1,256 emergency room (ER) visits, representing a 1.5 percent increase for Alternative F over No-Action conditions. As a result, it is expected that the number of ER visits would increase from 84,102 (No-Action conditions) to 86,758 (Council modifications) at study area hospitals. As is the case with Alternative F, because the increase in generated ER visits for this alternative is still less than a 5 percent increase over No-Action conditions and given the availability of many outpatient ambulatory facilities in the study area, no significant adverse impacts on health care services are expected as a result of the Council modifications.

Publicly Funded Day Care

With 967 affordable housing units, the Council modifications would generate 116 children under age 12 eligible for publicly funded day care. As a result, the net unmet demand in the study area would increase from 121 under No-Action conditions to 237 slots, a 49 percent increase in demand as a percentage of capacity over No-Action conditions (compared to a net unmet demand of 213 slots under the proposed action, and a 39 percent increase in demand as a percentage of capacity over No-Action conditions). As is the case with Alternative F, the Council modifications would result in an increase of five percent or more over capacity, and therefore a significant adverse impact to publicly funded day care service in the study area could occur in 2013 as a result.

Police and Fire Services

As noted in Chapter 4 of the FEIS, the NYPD and the FDNY routinely evaluate their resources in response to changes in population, crime levels and other local factors. Similar to Alternative F, the Council modifications would not displace or eliminate any existing NYPD or FDNY facilities and would not result in a significant adverse impact on police and fire protection in the study area.

Conclusion

As describe above, the Council modifications would result in significant adverse impacts to elementary schools in CSD 2 of Region 3 and in Region 3 as a whole, as well as to intermediate schools in Region 3 as a whole, and to publicly funded day care. These impacts would also occur under Alternative F (and the CPC modifications). The Council modifications' impacts would occur at a minimally higher magnitude but could be addressed by the same mitigation measures as identified in the FEIS. As also described above, the proposed Council modifications would not result in any significant adverse impacts to community facilities and services not already identified in the FEIS for Alternative F.

D. Open Space

As discussed above, the Council modifications would generate 9,572 residents, 172 more than Alternative F and the CPC modifications. As there would be larger overall action-generated population, the Council modifications have the potential to have greater effects on open space

than those previously identified for Alternative F in the FEIS. These effects are identified and assessed below.

The Council modifications would generate up to 9,572 new residents, an increase of 172 over the 9,400 residents generated by Alternative F. These modifications would result in the same amount of open space as the proposed action, with 28.81 active acres, 64.11 passive acres, and 92.92 total acres.

With a study area population of 79,071, as compared to 78,899 under Alternative F, and the same amount of open space as Alternative F, the Council modifications would have 1.18 acres per 1,000 residents. This would be a decrease of 0.07 acres per 1,000 residents (6 percent) compared to the No-Action condition. This is the same open space rate as under Alternative F. The active open space ratio for the Council modifications would be 0.36 acres per 1,000 residents, a decrease of 0.05 acres (12 percent) compared to the No-Action condition. Under Alternative F, the active open space ratio was 0.37 acres per 1,000 residents. Under both Alternative F and the Council modifications, the percentage decrease would be approximately 12 percent. The passive open space ratio would be 0.81 acres per 1,000 residents, a decrease of 0.02 acres (3 percent) compared to the No-Action condition. Under Alternative F, the passive open space ratio and the percentage decrease are the same as the Council modifications (0.81 acres per 1,000 residents and a 3 percent decrease, respectively).

Like Alternative F, the Council modifications would not result in significant adverse open space impacts. Although the Council modifications would generate more residents as compared to Alternative F, the open space ratios would be very similar. As with Alternative F, significant adverse open space impacts are not expected because the proposed action would add approximately six acres of new publicly accessible open space on the High Line. Therefore, the proposed modifications would not result in any significant adverse impact to open space resources not already identified in the FEIS for Alternative F.

E. Shadows

The proposed Council modifications would alter height, setback, and other bulk regulations in portions of the proposed action area as compared to the CPC modifications Specifically, buildings on Projected Development Sites 6, 8, and 11 would be reduced from a maximum height of 145 feet to a maximum height of 125 feet. Consequently, the shadows cast from these development sites as a result of the Council modifications would be shorter as compared to the CPC modifications.

With the Council modifications, the same significant adverse shadow impacts expected under Alternative F would occur. The impacts to the Church of the Guardian Angel and the chapel located on the grounds of the General Theological Seminary are not attributed to buildings on Projected Development Sites 6, 8 and 11. The impacts to these resources are attributed to development sites located to the south and west of the resources. Therefore, no additional shadow impacts would occur with the Council modifications and they would not result in any significant adverse shadows impacts not already identified in the FEIS for Alternative F.

F. Historic Resources

As there would be no change in the number, floor area, and type of construction on the 53 projected and potential development sites as a result of the proposed modifications, there would be no changes to the effects on historic resources as identified for Alternative F in the FEIS. The reduced heights on Sites 6, 8, and 11 and overall increase in the proportion of affordable housing units would not substantively change the effects on historic resources. With the proposed Council modifications, the same significant adverse historic resources impacts as expected for Alternative F would occur. The proposed modifications would not result in any significant adverse impact to historic resources not already identified in the FEIS for Alternative F.

G. Urban Design and Visual Resources

Under the proposed Council modifications, some maximum permitted building heights would be changed from the regulations included in the CPC modifications. In Subarea C permitted heights would decrease from 145 to 125 feet.

The Council modifications would result in the same overall amount of net development, though a higher proportion of affordable housing units would be developed as compared to Alternative F and the CPC modifications. As a result, there would be a higher number action-generated residents and a commensurately higher level of sewage generated. As discussed below, the Council modifications would generate 1.21 million gallons per day (mgd) as compared to 1.19 mgd generated by Alternative F. This change in sewage generation is a negligible increase. As discussed in Chapters 11 and 23 of the FEIS, an assessment of future water quality conditions in 2010 and 2025 was prepared for the *Hudson Yards Final Generic Impact Statement (FEIS)*, to assess the effects of future development in the North River WPCP drainage area, including Hudson Yards related development and West Chelsea development. That analysis concluded that with increased CSO events, CSO volumes, and CSO pollutant loadings, these changes would have no significant adverse impacts on water quality and water quality conditions would continue to meet the standards and uses established, where applicable, for Class I waters. Therefore, like Alternative F, with the Council modifications, it is reasonable to conclude that occasional CSO discharges from outfalls serving the West Chelsea area and from effluent flows from the North River Water Pollution Control Plant (NRWPCP), even if discharging a higher concentration of sewage than under current conditions, would not result in significant adverse impacts to water quality in the Hudson River. Based on the amount of development anticipated under the Council modifications, as compared to Hudson Yards, even with the potential additional CSO events that may occur under future conditions, it would be reasonable to conclude that potential effects on water quality would be small and would not result in significant adverse impacts to water quality or wildlife in the Hudson River.

As was the case for Alternative F analyzed in the FEIS, the proposed Council modifications would have significant and positive changes on urban design and visual resources and would not result in significant adverse impacts to urban design and visual resources.

H. Neighborhood Character

The proposed Council modifications generally would have the same effects on the elements that contribute to neighborhood character as Alternative F and the CPC modifications. The proposed Council modifications would not result in any significant adverse impacts not already identified in the FEIS for Alternative F on land use, urban design/visual resources, historic resources, socioeconomic conditions, traffic, and noise.

As was the case for Alternative F analyzed in the FEIS, the proposed Council modifications would not result in significant adverse impacts to neighborhood character and would result in an overall improvement to neighborhood character.

I. Hazardous Materials

The proposed Council modifications would involve the same 53 projected and potential development sites and the same incremental development as under Alternative F analyzed in the FEIS (and under the CPC modifications). With the Council modifications, (E) designations for hazardous materials would be mapped on the same tax lots as identified for Alternative F in the FEIS (refer to Table 1). Therefore, as was the case for Alternative F, the proposed modifications would not result in significant adverse impacts to hazardous materials.

J. Natural Resources

The Council modifications would result in development on the same 53 projected and potential development sites that would be affected by Alternative F and the CPC modifications. As Alternative F would not result in significant adverse impacts to natural resources due to site-specific effects, the Council modifications also would not result in significant adverse impacts on natural resources.

The Council modifications would result in the same overall amount of net development, though a higher proportion of affordable housing units would be developed as compared to Alternative F and the CPC modifications. As a result, there would be a higher number action-generated residents and a commensurately higher level of sewage generated. As discussed below, the Council modifications would generate 1.21 million gallons per day (mgd) as compared to 1.19 mgd generated by Alternative F. This change in sewage generation is a negligible increase. As discussed in Chapters 11 and 23 of the FEIS, an assessment of future water quality conditions in 2010 and 2025 was prepared for the *Hudson Yards Final Generic Impact Statement (FEIS)*, to assess the effects of future development in the North River WPCP drainage area, including Hudson Yards related development and West Chelsea development. That analysis concluded that with increased CSO events, CSO volumes, and CSO pollutant loadings, these changes would have no significant adverse impacts on water quality and water quality conditions would continue to meet the standards and uses established, where applicable, for Class I waters.

Therefore, like the proposed action and Alternative F, for the Council modifications it is reasonable to conclude that occasional CSO discharges from outfalls serving the West Chelsea area and from effluent flows from the North River Water Pollution Control Plant (NRWPCP), even if discharging a higher concentration of sewage than under current conditions, would not result in significant adverse impacts to water quality in the Hudson River. Based on the amount of development anticipated under the Council modifications, as compared to Hudson Yards, even with the potential additional CSO events that may occur under future conditions, it would be reasonable to conclude that potential effects on water quality would be small and would not result in significant adverse impacts to water quality or wildlife in the Hudson River.

As with Alternative F and the CPC modifications, the proposed Council modifications would not result in any significant adverse natural resources impacts.

K. Waterfront Revitalization Program

The Council modifications, like Alternative F, are compatible with the City's Local Waterfront Revitalization Program (LWRP). The changes to building heights and affordable housing FAR bonus mechanisms contained in the proposed Council modifications would not alter the conclusion presented in the May 25 Technical Memorandum.

As was the case for Alternative F analyzed in the FEIS, the proposed Council modifications would encourage appropriate land uses and open space amenities within the coastal zone and would be consistent with the 10 LWRP policies

L. Infrastructure

The Council modifications would result in a somewhat higher demand on the City's water supply and wastewater management systems compared to Alternative F; however, as under Alternative F and the CPC modifications, significant adverse impacts to infrastructure are not anticipated. With respect to stormwater management, the Council modifications are not expected to result in significant adverse impacts. Under both Alternative F and the Council modifications, the potential for CSO events would continue, given the increased sewage flows from projected development. However, these discharges are not likely to result in flooding in the basements of buildings, nor, as discussed above under "Natural Resources," are they likely to affect water quality and wildlife in the Hudson River.

With 172 more residents generated by the Council modifications as compared to Alternative F and the CPC modifications (9,572 compared to 9,400), there is a slightly greater demand placed on the City's water supply and wastewater management systems, as discussed below.

Water Supply

Under the Council modifications, total water usage on the projected development sites would be approximately 2,064,064 gpd (2.06 mgd), resulting in a net increase of approximately 1.62 mgd

over No-Action levels. This compares to a total water usage of 2.05 mgd and a net increase of 1.60 for Alternative F as analyzed in the FEIS. The Council modifications' incremental demand would represent an increase of 0.13 percent of the City's current water demand of 1.2 billion gpd (1,200 mgd). As with the 0.13 incremental increase associated with Alternative F, this relatively small incremental demand is not large enough to significantly impact the ability of the City's water system to deliver water. As such, the Council modifications, like Alternative F, would not result in significant adverse impacts upon the City's water supply nor would it affect local water pressure.

Wastewater Management

Under the Council modifications, sanitary sewage flows generated by the projected developments would be approximately 1.21 mgd (compared to 1.19 for Alternative F), an incremental increase of approximately 0.97 mgd over No-Action levels (compared to 0.95 mgd for the proposed action). This increment represents about 0.74 percent of the existing average wastewater flows at the North River WPCP and 0.57 percent of the its SPDES permitted flows (as compared to the proposed action's 0.72 percent and 0.56 percent, respectively). With North River WPCP operating substantially below capacity, the increase in sanitary sewage resulting from this alternative, as with the proposed action, is not anticipated to adversely impact WPCP operations nor cause it to exceed its design capacity or SPDES permit flow limit. As such, neither this alternative nor the proposed action would result in significant adverse impacts upon the City's sanitary sewage and wastewater management system.

M. Solid Waste and Sanitation Services

With 172 more residents generated by the Council modifications as compared to Alternative F and the CPC modifications (9,572 compared to 9,400), there is a potential for greater solid waste and sanitation services effects to occur. (As the non-residential development generated by the Council modifications would be exactly the same as Alternative F, the non-municipal solid waste generation would be the same and further assessment is not warranted.)

Under the Council modifications, it is estimated that the 28 projected development sites would generate approximately 163,605 pounds of municipal solid waste per week (81.8 tons), a net increase of 160,671 pounds per week (80.3 tons) over No-Action conditions. This would be somewhat higher than Alternative F, which would generate a net increase of 157,747 pounds of municipal solid waste per week (78.9 tons).

According to the *CEQR Technical Manual*, the typical DSNY collection truck for residential refuse carries approximately 12.5 tons of waste material. Therefore, like Alternative F, the Council modifications would generate solid waste equivalent to approximately 1 truck load per day (assuming a seven-day week), which is not expected to overburden the DSNY's solid waste handling services. Accordingly, as with Alternative F, the Council modifications would not result in significant adverse impacts to municipal solid waste services.

N. Energy

The proposed Council modifications would not affect density. Therefore, energy demand would be the same as under Alternative F (energy demand is calculated by residential square footage rather than the number of residents). As was the case for Alternative F analyzed in the FEIS, the proposed modifications would not result in significant adverse energy impacts.

O. Traffic and Parking

The proposed Council modifications would not affect density and result in new or different amounts of floor area on any development site. Therefore, the net vehicle trips and parking demand generated under the modifications would be the same as under Alternative F. Furthermore, there would be no change to traffic patterns or circulation. Therefore, the proposed modifications would not result in any significant adverse impacts to traffic and parking not already identified in the FEIS for Alternative F.

P. Transit and Pedestrians

The proposed Council modifications would not affect density, and therefore would not change the net subway, bus, and pedestrian trips generated by Alternative F. Therefore, the proposed modifications would not result in any significant adverse transit and pedestrian impacts not already identified in the FEIS for Alternative F.

Q. Air Quality

Mobile Sources

As noted above, the proposed Council modifications would not affect the density and projected floor area on any identified development sites, and therefore would not change the net vehicle trips generated by Alternative F. The effects on air quality from mobile sources would not be affected by the Council modifications. Therefore, they would not result in any significant adverse mobile source air quality impacts not already identified in the FEIS for Alternative F.

Stationary Sources

HVAC Source Impact Analysis:
Like Alternative F and the CPC modifications, the proposed Council modifications would entail (E) designations for stationary source air quality and therefore would not result in significant adverse air quality impacts.

Table 2 presents the results of the HVAC source impact analysis and is provided at the end of this memorandum. As shown in Table 2, with the proposed Council modifications, Projected

Development Site 5 would no longer require an (E) designation for emissions associated with HVAC systems. Provided below is a list of all properties which would receive (E) designations for air quality under the proposed modifications.

- Requires a minimum offset distance for the stack locations for either natural gas or No. 2 fuel oil, as specified in Table 2 --- (columns two and three):
  Block 701; Lot 1 (Site 1)
  Block 699; Lot 5 (Site 4)
  Block 699; Lot 30*, 31*, 32*, 33, 37* (Site 6)
  Block 698; Lot 1 (Site 7)
  Block 696; Lot 58 (Site 10)
  Block 692; Lot 57 (Site 14)
  Block 691; Lots 43, 50 (Site 17)
  Block 691, Lots 25, 27, 29, 33, 35, 37 (Site 18)
  Block 690; Lot 29 (Site 20)
  Block 715; Lots 1*, 2, 3, 60, 63, 64, 65 (Site 22)
  Block 715; Lots 5,7 (Site 23)
  Block 714; Lots 14,16 (Site 25)
  Block 701; Lots 59,62,68,70 (Site 26)
  Block 701; Lots 24,28 (Site 29)
  Block 700; Lots 53,54,55,56,57,59,60,61 (Site 30)
  Block 700; Lots 48,49 (Site 31)
  Block 700; Lots 42,44,45,47 (Site 32)
  Block 700; Lot 9 (Site 33)
  Block 699; Lots 14,49 (Site 38)
  Block 696; Lot 65 (Site 40)
  Block 691; Lots 15,19,22,24 (Site 43)
  Block 690; Lots 42,46 (Site 44)
  Block 715; Lots 50,59 (Site 45)
  Block 695, Lots 1,3,4 (Site 47)
  Block 695, Lots 67, 68, 69, 70 (Site 52)
  Block 694, Lot 47 (Site 53)

- Requires the exclusive use of natural gas (or a minimum offset distance for the stack location(s) if No. 2 fuel oil is used), as specified in Table 2 --- (columns four and five):
  Block 701, Lots 30,33, 35*, 37,42,43 (Site 2)
  Block 698, Lots 32,35,37, 40,41 (Site 8)
  Block 697, Lots 27,31 (Site 9)
  Block 6901, Lots 12,20,54 (Site 19)
  Block 690; Lots 1,63 (Site 36)
  Block 695, Lots 7, 12, 57 (Site 48)

Lots containing existing residential buildings, expected to remain under With-Action conditions, would not be mapped with an (E) designation for air quality. These properties are indicated with an asterisk (*).

The results of the analysis conducted for the Council modifications are provided in Table 2 below. Like Alternative F, the Council modifications would cause no violations of applicable air quality standards (i.e., maximum predicted total concentrations of each pollutant, including background, of NOx, SO2, and PM10 are less than the corresponding NAAQS).

Cumulative Impacts from HVAC Sources:

The following four clusters were evaluated to determine the potential impact from the combined effects of the HVAC emissions from development sites on other nearby development sites.

Cluster #1: projected development sites 6, 8 – comprising a total floor area of 273,167 square feet with a stack height of 128 feet;

Cluster #2: projected development sites 12, 13, and 16 – comprising a total floor area of 356,688 square feet with a stack height of 253 feet.

Cluster #3: projected and potential development sites 22, 23, and 45– comprising a total floor area of 428,109 square feet with a stack height of 138 feet.

Cluster #4: potential development sites 46, 47, and 52 – comprising a total floor area 455,386 of square feet with a stack height of 253 feet.

The results of the analysis indicate that the potential air quality impacts of combined emissions from these HVAC clusters, using either No. 2 fuel oil or natural gas, would not be significant (i.e., would not cause a violation of an NAAQS).

Potential Impacts on Existing Land Uses

Like the results for Alternative F presented in the FEIS, the Council modifications would not cause significant adverse impacts to nearby sensitive land uses.

All buildings considered under the proposed Council modifications are either taller than existing land uses in the immediate vicinity of the rezoning area boundary or the change in building heights proposed under the Council modifications would not alter the conclusions (with respect to existing sensitive land uses) contained in the FEIS for Alternative F or the May 25, 2005 technical memorandum. As such, emissions from the heating systems of the projected or potential development sites would not impact existing residential buildings (i.e., would not cause a violation of an NAAQS).

Impacts of Existing Emission Source on Projected and Potential Development Sites

Like the results for Alternative F presented in the FEIS, with the Council modifications no significant adverse impacts are expected to any of the development sites from existing land uses.

The potentially significant combustion sources identified in the FEIS would not affect any projected or potential development sites identified under the Council modifications. The heights of the buildings that were identified as being potentially affected by existing emission sources either did not change or the height relationships between the projected and potential developments and existing land uses that were considered in the FEIS would not change.

Air Toxics Analysis:

Like Alternative F, under the Council modifications air toxic emissions from existing industrial or manufacturing sources in the study area would not result in significant adverse air quality impacts to any projected or potential development site. The manufacturing and industrial facilities identified in the FEIS for the proposed action would potentially affect the same development sites under Alternative F and the Council modifications.

R. Noise

With the proposed modifications, the same amount of development would occur at the same density on the 53 projected and potential development sites, as analyzed for Alternative F in the FEIS. With the proposed modifications, (E) designations for noise window wall attenuation would be mapped on the same tax lots as identified for Alternative F in the FEIS (refer to Tables 3 and 4). Therefore, as was the case for Alternative F, the proposed modifications would not result in significant adverse noise impacts.

S. Construction Impacts

The proposed Council modifications would result in the same development density on the 53 projected and potential development sites as analyzed for Alternative F in the FEIS. Apart from some changes in building height, setback, and related bulk regulations that would affect building envelopes, the constructions effects with the proposed modifications would be the same as for Alternative F analyzed in the FEIS. As these changes would not significantly change the nature of site construction, the Council modifications would not result in any significant adverse construction impacts not already identified in the FEIS for Alternative F.

T. Public Health

As with Alternative F analyzed in the FEIS, the proposed Council modifications would not result in significant adverse public health impacts, as they would not significantly impact the various technical areas that comprise public health, namely, air quality, hazardous materials, solid waste management, and noise. With the Council modifications, the hazardous materials testing and remediation requirements, air quality measures, and noise attenuation required by the proposed (E) designations would be implemented.

U. Mitigation

As the proposed Council modifications would result in the same significant adverse impacts identified under Alternative F, the same mitigation measures for community facility, traffic and transit impacts identified in the FEIS for Alternative F would apply to the proposed modifications.

V. Unavoidable Adverse Impacts

The proposed Council modifications would result in the same unavoidable adverse impacts identified in the FEIS for Alternative F with respect to shadows and historic resources.

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
1	701	1	Projected	Manhattan Mini-Storage 541 W29th St	Storage	Appendix A List Automobile Service Station	1934 Bromley	Yes
2	701	30	Projected	Enterprise 30th Street Parking, LLC 505-509 W29th St	Parking Garage	Appendix A List Metal Processing	1934 Bromley	Yes
2	701	33	Projected	505 W29th St	Storage/Vacant	Appendix A List Metal Processing	1934 Bromley	Yes
2	701	35*	Projected	Terminal Food Shop 329 10th Ave	Deli	Appendix A List Metal Processing	1934 Bromley	No
2	701	35*	Projected	501 29th St	Residential / Commercial	Appendix A List Metal Processing	1934 Bromley	No
2	701	36	Projected	331 Tenth Ave	Parking Lot	Appendix A List Metal Processing	1934 Bromley	Yes
2	701	37	Projected	333 Tenth Ave	Auto Sales (lot)	Appendix A List Metal Processing	1934 Bromley	Yes
2	701	42	Projected	Enterprise 30th Street Parking, L.L.C. 343 10th Ave	Parking Lot	Appendix A List Metal Processing	1934 Bromley	Yes
2	701	43	Projected	502 W30th St	Manufacturing /Vacant	Appendix A List Metal Processing	1934 Bromley	Yes
3	700	1	Projected	Kaz Systems 282 11th Ave	Parking Lot	Adjacent App A Auto Service	2004 Field Survey	Yes
3	700	1	Projected	Davids Auto Service 282 11th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
3	700	1	Projected	Brownfield Auto 298 11th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
4	699	5	Projected	547 W27th St	Art Gallery	Adjacent App A Iron Works	1897 Bromley	Yes
5	699	22	Projected	517 W27th St	Office Space	Adjacent App A Iron Works	1897 Bromley	Yes
5	699	23	Projected	515 W27th St	Office Space	Adjacent App A Iron Works	1897 Bromley	Yes
5	699	24	Projected	Colin Construction 513 W27th St	Office Space	Adjacent App A Iron Works	1897 Bromley	Yes
5	699	25	Projected	511 W27th St	Art Gallery	Adjacent App A Metal Processing	2004 Field Survey	Yes
5	699	26	Projected	509 W27th St	Scrap Metal Processing	Appendix A List Metal Processing	2004 Field Survey	Yes
5	699	27	Projected	Central Iron & Metal 507-9 W27th St	Scrap Metal Processing	Appendix A List Metal Processing	2004 Field Survey	Yes
5	699	44	Projected	Bungalow 8 518 W27th St	Bar/Restaurant	Adjacent App A Iron Works	1897 Bromley	Yes
5	699	44	Projected	Leonard Powers, Inc 514-20 W27th St	Industrial/Storage	Adjacent App A Iron Works	1897 Bromley	Yes
6	699	30*	Projected	503 W27th St	Residential	Adjacent App A Metal Processing	2004 Field Survey	No
6	699	30*	Projected	Brite Bar 297 10th Ave	Bar/Restaurant	Appendix A List Motor Freight Station	1955 Bromley	No
6	699	31*	Projected	Bongo 299 10th Ave	Residential/Retail	Appendix A List Motor Freight Station	1955 Bromley	No

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
6	699	32*	Projected	Punjabi Food Junction 301 10th Ave	Residential/Retail	Adjacent App A Auto Service	2004 Field Survey	No
6	699	33	Projected	City/Gas Auto Repair 303-309 10th Ave	Auto Gas/Service Repair	Appendix A List Automobile Service Station	2004 Field Survey	Yes
6	699	37*	Projected	10th Ave Gourmet 311 10th Ave	Residential/Retail	Adjacent App A Auto Service	2004 Field Survey	No
7	698	1	Projected	246-60 11th Ave	Office Space	Adjacent App A Brass Works	1897 Bromley	Yes
8	698	32	Projected	Firestone Bear Auto Center 279 10th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
8	698	35	Projected	The Friendly Group 287 10th Ave	Taxi Mgmt	Appendix A List Automobile Rental	2004 Field Survey	Yes
8	698	37	Projected	Marquee 289 10th Ave	Bar/Restaurant	Adjacent App A Auto Service Station	1934 Bromley	Yes
8	698	40	Projected	Paul Kasmin 293 10th Ave	Art Gallery	Adjacent App A Auto Service Station	1934 Bromley	Yes
8	698	141	Projected	502 W27th St	Residential	Appendix A List Automobile Service Station	1934 Bromley	Yes
9	697	27	Projected	501-9 W25th St	Parking/auto/ vacant	Adjacent App A Iron Works, Lumber Yard	1897 Bromley	Yes
9	697	31	Projected	Kantora Galley 259 10th Ave	Storage/ Commercial	Adjacent App A Iron Works, Lumber Yard	1897 Bromley	Yes
10	696	58	Projected	550 W25th St	Auto/Pkg/Vacant	Adjacent App A Coal Yard	1897 Bromley	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
11	696	28	Projected	511 W24th St	Commercial/Auto	Appendix A List Adj to RR ROW	2004 Field Survey	Yes
11	696	32	Projected	Kwik Farms 239 10th Ave	Gas Station	Appendix A List Gasoline Service Station	2004 Field Survey	Yes
11	696	33	Projected	Chandler Auto Repair 245-7 10th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
11	696	35	Projected	249 Parking Corp 249 10th Ave	Parking Garage	Adjacent App A Auto Service	2004 Field Survey	Yes
11	696	37	Projected	Pepe Giallo 253 10th Ave	Restaurant	Adjacent App A Auto Service	2004 Field Survey	Yes
11	696	38	Projected	World Class Audio 255 10th Ave	Auto Service	Appendix A List Automobile Service Station	2004 Field Survey	Yes
11	696	38	Projected	Marty's Auto Body 500 W25th St	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
12	693	1	Projected	144-50 11th Ave	Building for Lease (office/commercial)	Adjacent lots to the north, lot 64, has a Glass Manufacture past use	1934 Bromley, Jan 1955 Man Address Direct.	Yes
12	693	64	Projected	Chelsea Art Museum 150-54 11th Ave	Art Gallery	Glass Manufacture past use	1934 Bromley	Yes
13	692	7	Projected	545-7 W20th St	Art Gallery	Adjacent App A Auto Service	Jan 1955 Manhattan Address Directory	Yes
13	692	7	Projected	120 11th Ave	Mixed Use (Residential/Office)	Appendix A List Metal Processing	Jan 1955 Manhattan Address Directory	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
13	692	61	Projected	Lot 61 550 W21st St	Bar/Restaurant	Appendix A List Metal Processing	Jan 1955 Manhattan Address Directory	Yes
13	692	63	Projected	130 Eleventh Ave	Unknown (appears vacant)	Appendix A List Metal Processing	2004 Field Survey	Yes
14	692	53	Projected	540 W21st St	Office Space	Appendix A List Metal Processing	Jan 1955 Manhattan Address Directory	Yes
14	692	57	Projected	Eyebeam 548 W21st St	Art Gallery	Appendix A List Metal Processing	Jan 1955 Manhattan Address Directory	Yes
15	692	28	Projected	521-527 W20th St	Auto Service Garage	Appendix A Auto Service	2004 Field Survey	Yes
15	692	30	Projected	169-83 10th Ave	Construction Equipment Leasing	Adjacent App A Auto Service	2004 Field Survey	Yes
15	692	30	Projected	Manhattan Collision 507 W20th St	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
16	691	11	Potential	100 11th Ave	Parking Lot	Appendix A List Gas Storage	1897 Bromley	Yes
17	691	43	Projected	516 W20th St	Parking Garage	Appendix A List Gas Storage	1897 Bromley	Yes
17	691	50	Projected	Anton Kern 532 W20th St	Art Gallery	Appendix A List Gas Storage	1897 Bromley	Yes
18	691	25	Projected	W19th Street	Parking Lot	Appendix A List Automobile Service Station	1934 Bromley	Yes
18	691	27	Projected	505 W19th Street	Parking Lot	Appendix A List Automobile Service Station	1934 Bromley	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
18	691	29	Projected	Mendon Truck Leasing 153 Tenth Ave	Retail/Auto	Appendix A List Automobile Service Station	1934 Bromley	Yes
18	691	33	Projected	Edison Park 161-5 Tenth Ave	Parking Lot	Appendix A List Automobile Service Station	1934 Bromley	Yes
18	691	35	Projected	165 Tenth Ave	Parking Lot	Adjacent Appendix A List Automobile Service Station	1934 Bromley	Yes
18	691	37	Projected	504 W20th St	Parking Lot	Adjacent Appendix A List Automobile Service Station	1934 Bromley	Yes
19	690	12	Projected	Corner W18th St	New Construction (Residential: Turner Construction)	Appendix A List Gas Storage	1897 Bromley	Yes
19	690	20	Projected	Roxy 515 W18th St	Bar/Restaurant	Appendix A List Gas Storage	1897 Bromley	Yes
19	690	20	Projected	Chelsea MTP Operating, LLC 511-25 W18th St	Parking Lot	Appendix A List Gas Storage	1897 Bromley	Yes
19	690	54	Projected	96 11th Ave	New Construction (Residential: Turner Construction)	Adjacent Appendix A List Gas Storage	1897 Bromley	Yes
20	690	29	Projected	131 Tenth Ave	Parking Lot	Appendix A List Adj to RR ROW	1897 Bromley	Yes
21	689	17	Projected	99-111 10th Ave	Parking Lot	Appendix A List Gas Storage	1897 Bromley	Yes
22	715	1*	Projected	457 W17th St	Residential/Retail	Adjacent App A Gas Storage	1897 Bromley	No

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
22	715	2	Projected	Red Rock West Saloon 116 10th Ave	Bar/Restaurant	Adjacent App A Gas Storage	1897 Bromley	Yes
22	715	3	Projected	The Park 118 10th Ave	Bar/Restaurant	Adjacent App A Gas Storage	1897 Bromley	Yes
22	715	60	Projected	Lux 456 W18th St	Art Gallery	Adjacent App A Gas Storage	1897 Bromley	Yes
22	715	63	Projected	464 W18th	New Development (128 10th Ave: restaurant)	Adjacent App A Gas Storage	1897 Bromley	Yes
22	715	63	Projected	Star on 18 128 10th Ave	Restaurant	Adjacent App A Gas Storage	1897 Bromley	Yes
22	715	64	Projected	124 10th Ave	Parking Garage	Adjacent App A Gas Storage	1897 Bromley	Yes
23	715	5	Projected	453 W17th St	Commercial	Adjacent App A Gas Storage	1897 Bromley	Yes
23	715	7	Projected	447 W17th St	Unknown	Adjacent App A Gas Storage	1897 Bromley	Yes
24	714	1	Projected	Bimmy's 455 W16th St	Deli	Appendix A List Motor Freight Station	1955 Bromley	Yes
24	714	1	Projected	Chelsea Garden Center 455 W16th St	Nursery	Appendix A List Motor Freight Station	1955 Bromley	Yes
24	714	1	Projected	458 W17th St	Residential/Retail	Appendix A List Motor Freight Station	1955 Bromley	Yes
24	714	1	Projected	Atlantic Theater 453 W16th St	Office Space	Adjacent App A Auto Service	2004 Field Survey	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
24	714	1	Projected	Heavenly Body Works 441-55 W16th St	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
24	714	63*	Projected	112 Tenth Ave	Residential/Retail	Adjacent App A Auto Service	2004 Field Survey	No
25	714	14	Projected	437 W16th St	Office Space	Adjacent App A Auto Service	2004 Field Survey	Yes
25	714	16	Projected	437 W16th St	Auto Service	Adjacent App A Auto Service	2004 Field Survey	Yes
26	701	59	Projected	Eurotech Construction/Painting 532 W30th St	Office Space	Appendix A List Adj to RR ROW	Aug 1934 Manhattan Address Directory	Yes
26	701	62	Projected	Eastern Connection 534 W30th St	Shipping / Packing	Adjacent App A Sign Painting	2004 Field Survey	Yes
26	701	68	Projected	Cabinetry / Millwork 314 11th Ave	Industrial	Appendix A List Furniture Manufacture	2004 Field Survey	Yes
26	701	68	Projected	Midtown Neon Sign Corp 550 W30th St	Retail / Manufacturing	Appendix A List Sign Painting Shops	2004 Field Survey	Yes
26	701	70	Projected	CNC Auto Repair 312 11th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
27	701	45	Potential	506-526 W30th St	Hot Dog Vending/Storage	Appendix A List Metal Processing	1934 Bromley	Yes
27	701	52	Potential	518-522 W30th St	Auto/Pkg/Storage	Appendix A List Adj to RR ROW	Aug 1934 Manhattan Address Directory	Yes
27	701	55	Potential	524 W30th St	Parking	Appendix A List Adj to RR ROW	Aug 1934 Manhattan Address Directory	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
27	701	56	Potential	526-528 W30th St	Parking	Appendix A List Adj to RR ROW	Aug 1934 Manhattan Address Directory	Yes
27	701	58	Potential	530 W30th St	Parking	Appendix A List Adj to RR ROW	Aug 1934 Manhattan Address Directory	Yes
28	701	16	Potential	Enterprise 30th St Parking, LLC 529-539 W29th St	Parking Garage	Appendix A List Furniture Manufacture	Aug 1934 Manhattan Address Directory	Yes
28	701	22	Potential	Briggs Robinson Gallery 527 W29th St	Art Gallery	Adjacent App A Furniture Manufacture	2004 Field Survey	Yes
28	701	23	Potential	Cabinet Maker 525 W29 St	Industrial / Commercial	Appendix A List Furniture Manufacture	2004 Field Survey	Yes
29	701	24	Potential	Tuck it 517 W29 St	Storage	Adjacent App A Furniture Manufacture	2004 Field Survey	Yes
29	701	28	Potential	Courier Network International Systems 515 W29th St	Retail / Art Gallery	Appendix A List Welding Shops	Aug 1934 Manhattan Address Directory	Yes
30	700	53	Potential	Pentacostal Church 534 W29th St	Religious	Adjacent App A List Coal Storage	1934 Bromley	Yes
30	700	54	Potential	John Young Studios 536 W29th St	Art Gallery	Adjacent App A List Coal Storage	1934 Bromley	Yes
30	700	55	Potential	Elite Investigation 538 W29th St	Office Space	Adjacent App A List Coal Storage	1934 Bromley	Yes
30	700	56	Potential	Alona Kagan Gallery 540 W29th St	Art Gallery	Adjacent App A Garbage Reduction	2004 Field Survey	Yes
30	700	57	Potential	Action Carting 542 W29th St	Garbage Disposal	Appendix A List Garbage Reduction	2004 Field Survey	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
30	700	59	Potential	546 W29th St	Auto Service Garage	Adjacent App A Auto Service	2004 Field Survey	Yes
30	700	60	Potential	Avi Taxi Repair 546-8 W29th St	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
30	700	61	Potential	550 W29th Street	Office Space	Adjacent App A Auto Service	2004 Field Survey	Yes
31	700	48	Potential	524 W29th St	Office / Retail	Adjacent App A Auto Service	2004 Field Survey	Yes
31	700	49	Potential	Sean Kelly Art Gallery 526-28 W29th St	Art Gallery	Adjacent App A List Coal Storage	1934 Bromley	Yes
32	700	42	Potential	512 W29th St	Night Club	Adjacent App A Motor Freight Station	1955 Bromley	Yes
32	700	44	Potential	Technik 1 516 W29th St	Auto Electronics	Adjacent App A Auto Service	2004 Field Survey	Yes
32	700	45	Potential	518 W29th St	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
32	700	47	Potential	LA Ideal / Regent Maintenance Corp 522 W29th St	Manufacturing / Commercial	Adjacent App A Auto Service	2004 Field Survey	Yes
33	700	9	Projected	NY Builders Supply Corp 545 W28th St	Masonry Yard	Appendix A List Lumber Processing	2004 Field Survey	Yes
33	700	9	Projected	NY SUV Auto Body 547 W28th St	Parking Lot / Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
34	700	18	Projected	Kamco Supply Corp 517 W28th St	Lumber Yard	Appendix A List Lumber Processing	2004 Field Survey	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
35	700	29*	Potential	Taxi Mgmt, Inc 313 10th Ave	Residential/ Office Space	Appendix A List Automobile Service Station	1934 Bromley	No
35	700	30*	Potential	Medina 315 10th Ave	Residential / Retail/ Restaurant	Appendix A List Automobile Service Station	1934 Bromley	No
35	700	30*	Potential	315 10th Ave	Residential	Appendix A List Automobile Service Station	1934 Bromley	No
35	700	31*	Potential	IMP Mgmt 317 10th Ave	Residential/ Taxi Mgmt	Appendix A List Automobile Rental Establishments	2004 Field Survey	No
35	700	31*	Potential	317 10th Ave	Residential/ Retail Space	Adjacent App A Auto Rental	2004 Field Survey	No
35	700	31*	Potential	317 10th Ave	Residential / Retail Space	Appendix A List Automobile Service Station	1934 Bromley	No
35	700	32	Potential	Evan Auto, Inc 321 10th Ave	Auto / Towing	Appendix A List Automobile Service Station	2004 Field Survey	Yes
35	700	32	Potential	Evan Auto, Inc 319 10th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
35	700	34	Potential	323 Tenth Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
35	700	36	Potential	10th Ave Tire Shop 327 10th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
36	699	1	Potential	Manhattan Motors 270 11th Ave	Auto Dealer	Appendix A List Automobile Rental	2004 Field Survey	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
36	699	63	Potential	554 W28th St	Commercial / Art Gallery	Adjacent App A Auto Rental	2004 Field Survey	Yes
37	699	9	Potential	537 W27th St	Vacant Lot	Appendix A List Iron Works	1897 Bromley	Yes
38	699	14	Potential	CTX 538 W28th St	Industrial	Adjacent lot to the east, lot 49, has an Iron Works	1897 Bromley	Yes
38	699	49	Potential	Crobar 531 W27th St	Bar/Restaurant	Appendix A List Iron Works	1897 Bromley	Yes
38	699	49	Potential	Scores 533-35 W27th St	Bar/Restaurant	Appendix A List Iron Works	1897 Bromley	Yes
39	697	1	Potential	220-40 11th Ave	Parking Lot	Lumber Yard, Adj Iron Works	1897 Bromley	Yes
40	696	65	Potential	210 Art 210 11th Ave	Art Gallery / Commercial	Appendix A List Coal Yard	1897 Bromley	Yes
40	696	65	Potential	Stricoff Fine Art 564 W25th St	Art Gallery / Commercial	Appendix A List Coal Yard	1897 Bromley	Yes
41	696	1	Potential	202-8 11th Ave	Storage	Adjacent App A Coal Yard	1897 Bromley	Yes
42	694	30*	Potential	505 W22nd St	Residential	Appendix A List Adj to RR ROW	2004 Field Survey	No
42	694	31*	Potential	West Chelsea Veterinary Hospital 203 10th Ave	Residential / Medical	Appendix 5, §24-04a	Jan 1955 Manhattan Address Directory	No
42	694	32*	Potential	Tia Pol 205 10th Ave	Bar/Restaurant	Adjacent App A Motor Freight Station	1934 Bromley	No
42	694	32*	Potential	205 10th Ave	Residential	Appendix A List Automobile Service	Jan 1955 Manhattan Address Directory	No

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
42	694	33	Potential	207 10th Ave	Construction / Auto	Adjacent App A Auto Service	2004 Field Survey	Yes
42	694	39	Potential	Exxon 215 10th Ave	Gas Station	Appendix A List Gasoline Service Station	2004 Field Survey	Yes
42	694	40	Potential	512 W23rd St	Parking Lot	Adjacent App A Auto Service	2004 Field Survey	Yes
43	691	15	Potential	531 W19th St	Art Gallery	Appendix A List Gas Storage	1897 Bromley	Yes
43	691	19	Potential	David Zwirner 525 W19th St	Art Gallery	Appendix A List Gas Storage	1897 Bromley	Yes
43	691	22	Potential	Sidney Samuels 517 W19th St	Commercial Heating Cooling	Appendix A List Gas Storage	1897 Bromley	Yes
43	691	22	Potential	Chelsea Studio Gallery 518 W19th St	Art Gallery	Appendix A List Gas Storage	1897 Bromley	Yes
43	691	24	Potential	515 W19th St	Art Gallery / Residential	Adjacent App A Gas Storage	2004 Field Survey	Yes
44	690	42	Potential	516-22 W19th St	Warehouse / Commercial	Adjacent App A Gas Storage	1897 Bromley	Yes
44	690	46	Potential	524 W19th St	Art Gallery / Commercial	Adjacent App A Gas Storage	1897 Bromley	Yes
45	715	50	Potential	Midtown Chelsea Center 436 W18th St	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
45	715	59	Potential	Verizon 438-54 W18th St	Office/Commercial Space	Adjacent App A Auto Service	2004 Field Survey	Yes
46	694	58	Potential	536 W23rd St	Commercial Space	Adjacent App A Auto Service	2004 Field Survey	Yes
46	694	60	Potential	548 W23rd St	Commercial Space	Adjacent App A Auto Service	2004 Field Survey	Yes
46	694	61	Potential	522 W23rd St	Commercial Space	Adjacent App A Auto Service	2004 Field Survey	Yes
46	694	65	Potential	Uhaul 170 11th Ave	Storage	Appendix A List Glass/Furniture Manufacture	1897 Bromley	Yes
47	695	1	Potential	Privilege 182 11th Ave	Bar/Restaurant	Adjacent App A Auto Service	1934 Bromley	Yes

Table 1, West Chelsea: Hazardous Materials (E) Designation for Alternative F With Proposed Modifications by the CPC								
Site	**Block**	**Lot**	**Development Site**	**Address**	**Current Land Use**	**CEQR Reference**	**Source**	**(E) Designation Warranted**
47	695	3	Potential	Chelsea Inn 184 11th Ave	Hotel/Deli	Adjacent App A Auto Service	1934 Bromley	Yes
47	695	4	Potential	188 11th Ave	Office/Storage Space	Adjacent App A Auto Service	2004 Field Survey	Yes
48	695	7	Potential	New Construction	Residential/Retail	Adjacent App A Lumber Processing	1897 Bromley	Yes
48	695	12	Potential	Bula Gallery 541 W23rd St	Art Gallery	Adjacent App A Lumber Processing	1897 Bromley	Yes
48	695	57	Potential	536 W24th St	Construction	Adjacent App A Lumber Processing	1897 Bromley	Yes
49	695	44	Potential	MetroVision Production 508 W24th St	Office Space	Appendix A List Adj to RR ROW	1934 Bromley	Yes
50	695	47	Potential	PlexiCraft 514 W24th St	Commercial	Appendix A List Lumber Processing	1897 Bromley	Yes
51	695	59	Potential	W24th St	Construction	Adjacent App A Lumber Processing	1897 Bromley	Yes
52	695	67	Potential	200 11th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
52	695	68	Potential	CC Auto 198 11th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
52	695	69	Potential	196 11th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
52	695	70	Potential	Apple Auto 194 11th Ave	Auto Service Garage	Appendix A List Automobile Service Station	2004 Field Survey	Yes
53	694	47	Potential	Manhattan Mini-Storage 530 W23rd St	Storage	Appendix A List Gasoline Service Station	1934 Bromley	Yes

(*) Lots indicated with an asterisk (*) are not expected to be redeveloped under the proposed action, as they contain existing residential buildings. Therefore, they would not be mapped with an (E) Designation. These lots would transfer air rights to adjacent lots within the development site.
Note: as action-induced development is not expected on Site 14, the lots comprising this site would not receive hazardous materials (E) designations.

TABLE 2 – RESULTS OF HVAC SOURCE IMPACT ANALYSIS WITH PROPOSED COUNCIL MODIFICATIONS

HVAC Source Identification	CEQR Screening Results for No. 2 Fuel Oil	CEQR Screening Results for Natural Gas	ISC3 Modeling Results for No. 2 Fuel Oil[1]	ISC3 Modeling Results for Natural Gas[1]
Site 1	73 feet [1]	49 feet [1]	N/A	N/A
Site 2	Fail [3]	Fail [3]	79 feet [4]	Pass
Site 3	Pass	Pass	---	---
Site 4	62 feet [1]	45 feet [1]	N/A	N/A
Site 5	---	---	---	---
Site 6	48 feet [1]	31 feet [1]	N/A	N/A
Site 7	82 feet [1]	56 feet [1]	N/A	N/A
Site 8	Fail [3]	Fail [3]	63 feet [4]	Pass
Site 9	Fail [3]	Pass	90 feet [4]	---
Site 10	48 feet [1]	34 feet [1]	N/A	N/A
Site 11	Pass	Pass	---	---
Site 12	Pass	Pass	---	---
Site 13	Pass	Pass	---	---
Site 14	40 feet [1]	25 feet [1]	N/A	N/A
Site 15	Pass	Pass	---	---
Site 16	Pass	Pass	---	---
Site 17	46 feet [1]	34 feet [1]	N/A	N/A
Site 18	30 feet [1]	18 feet [1]	N/A	N/A
Site 19	Fail [3]	Fail [3]	80 feet [4]	Pass
Site 20	50 feet [1]	34 feet [1]	N/A	N/A
Site 21 [2]	---	---	---	---
Site 22‡	54 feet [1]	40 feet [1]	N/A	N/A
Site 23‡	40 feet [1]	---	N/A	N/A
Site 24	Pass	Pass	---	---
Site 25‡	40 feet [1]	26 feet [1]	N/A	N/A
Site 26	85 feet [1]	65 feet [1]	N/A	N/A
Site 27‡	---	---	---	---
Site 28 [2]	---	---	---	---

Site 29	40 feet [1]	25 feet [1]	N/A	N/A
Site 30	55 feet [1]	38 feet [1]	N/A	N/A
Site 31	46 feet [1]	30 feet [1]	N/A	N/A
Site 32	45 feet [1]	30 feet [1]	N/A	N/A
Site 33	57 feet [1]	41 feet [1]	N/A	N/A
Site 34	Pass	Pass	---	---
Site 35 [2]	---	---	---	---
Site 36	Fail [3]	Pass	79 feet [4]	---
Site 37 [2]	---	---	---	---
Site 38	76 feet [1]	50 feet [1]	N/A	N/A
Site 39 [2]	---	---	---	---
Site 40 [2] ‡	29 feet [1]	17 feet [1]	---	---
Site 41‡	---	---	---	---
Site 42 [2]	---	---	---	---
Site 43	45 feet [1]	39 feet [1]	N/A	N/A
Site 44	38 feet [1]	32 feet [1]	N/A	N/A
Site 45	62 feet [1]	45 feet [1]	N/A	N/A
Site 46	Pass	Pass	---	---
Site 47	31 feet [1]	19 feet [1]	N/A	N/A
Site 48	Fail [3]	Fail [3]	79 feet [4]	Pass
Site 52	24 feet [1]	17 feet [1]	N/A	N/A
Site 53	46 feet [1]	35 feet [1]	N/A	N/A

Notes:

1 Some sites are immediately adjacent to each other and the analysis could not be further refined without additional design data; therefore the minimum distance for which the source would pass the CEQR screening procedures was provided for these sites using CEQR monographs. The following (E) designation would be placed on these development sites: Any new development on the property must locate the HVAC stack no closer to the edge of roof than the distance indicated.

2 Building is taller than nearby buildings; no analysis is required.

3 For sites that failed the CEQR screening procedures, a detailed ISC3 modeling analysis was performed.

4 The following (E) designation would be placed on these development sites: Any new development on the property must either locate the HVAC stack no closer to the edge of roof (on the highest tier) as indicated or use natural gas as the type of fuel for the HVAC systems.

‡As explained in the memorandum to the project file dated 6/21/05, corrected (E) designation requirements, where applicable, have been provided above in Table 2.

Table 3, Required Attenuation Values for Alternative F With Proposed Council Modification: Projected Developmental Sites (the representative monitoring site is shown next to the address)

Site Number	Address	Block Number	Lot(s) Number	Build Max L_{10} (dBA)	Attenuation Required
1 **	306-310 Eleventh Ave (S1)	701	1	75.7	40 **
2 **	505 W 29 ST (S4)	701	33	79.5	40 **
	329 Tenth Ave (S4)	701	35***	79.5	40 **
	331 Tenth Ave (S4)	701	36	79.5	40 **
	333 Tenth Ave (S4)	701	37	79.5	40 **
	337 Tenth Ave (S4)	701	42	79.5	40 **
	502-504 W 30 ST (S4)	701	43	79.5	40 **
	509 W 29 ST (S4)	701	30	79.5	40 **
3 **	282-298 Eleventh Ave (S1)	700	1	75.7	40 **
	282-298 Eleventh Ave (S1)	700	1	75.7	40 **
4	547-559 W 27 ST (S2)	699	5	73.9	30
5	514-520 W 28 ST (S2)	699	44	73.9	30
6	503 W. 27th St. (S4)	699	30***	79.5	35
	299 Tenth Ave (S4)	699	31***	79.5	35
	301 Tenth Ave (S4)	699	32***	79.5	35
	303-309 Tenth Ave (S4)	699	33	79.5	35
	311 Tenth Ave (S4)	699	37***	79.5	35
7	246-260 Eleventh Ave (S5)	698	1	76.2	35
8	279 Tenth Ave (S4)	698	32	79.5	35
	285 Tenth Ave (S4)	698	35	79.5	35
	289 Tenth Ave (S4)	698	37	79.5	35
	293 Tenth Ave (S4)	698	40	79.5	35
9	259 Tenth Ave (S4)	697	31	79.5	35
10	550 W 25 St (S2)	696	58	73.9	30
11	507 W. 24th St (S4)	696	28	79.5	35
	239 Tenth Ave (S4)	696	32	79.5	35
	245 Tenth Ave (S4)	696	33	79.5	35
	249 Tenth Ave (S4)	696	35	79.5	35
	253 Tenth Ave (S4)	696	37	79.5	35
	255 Tenth Ave (S4)	696	38	79.5	35
12	144-150 Eleventh Ave (S8)	693	1	82.7	40
	154-160 Eleventh Ave (S8)	693	64	82.7	40
13	130 Eleventh Ave (S8)	692	63	82.7	40
	550 W 21 ST (S8)	692	61	82.7	40
	550 W 21 ST (S8)	692	7	82.7	40
14	542 W 21 ST (S6)	692	57	73.3	30
	540 W 21 ST (S6)	692	53	73.3	30
15	169-183 Tenth Ave (S7)	692	30	75.4	35
	521-527 W 20 ST (S7)	692	28	75.4	35
16	100 Eleventh Ave (S8)	691	11	82.7	40
17	532-534 W 20 ST (S6)	691	50	73.3	30
	516-530 W 20 ST (S6)	691	43	73.3	30
18	153 Tenth Ave (S7)	691	29	75.4	35
	161 Tenth Ave (S7)	691	33	75.4	35

Site Number	Address	Block Number	Lot(s) Number	Build Max L_{10} (dBA)	Attenuation Required
	165 Tenth Ave (S7)	691	35	75.4	35
	510 W 19 ST (S7)	691	25	75.4	35
	505 W 19 ST (S7)	691	27	75.4	35
	504 W 20 ST (S7)	691	37	75.4	35
19	96 Eleventh Ave (S8)	690	12	82.7	40
	80-92 Eleventh Ave (S8)	690	54	82.7	40
	511-525 W 18 ST (S8)	690	20	82.7	40
	511-525 W 18 ST (S8)	690	20	82.7	40
20	131 Tenth Ave (S7)	690	29	75.4	35
	131 Tenth Ave (S7)	690	29	75.4	35
21	99-111 Tenth Ave (S8)	689	17	82.7	40
22	128 Tenth Ave (S7)	715	63	75.4	35
	124 Tenth Ave (S7)	715	64, 65	75.4	35
	118 Tenth Ave (S7)	715	3	75.4	35
	116 Tenth Ave (S7)	715	2	75.4	35
	118 Tenth Ave (S7)	715	1***	75.4	35
	456 W 18 ST (S7)	715	60	75.4	35
23	453 W 17 ST (S9)	715	5	74.9	30
	447 W 17 ST (S9)	715	7	74.9	30
24	112 Tenth Ave (S7)	714	63***	75.4	35
	96 Tenth Ave (S7)	714	1	75.4	35
25	437 W 16 ST (S9)	714	14	74.9	30
	437 W 16 ST (S9)	714	16	74.9	30
26	314-316 Eleventh Ave (S1)	701	68	75.7	35
	312 Eleventh Ave (S1)	701	70	75.7	35
	534-538 W 30 ST (S1)	701	62	75.7	35
	532 W 30 ST (S1)	701	59	75.7	35
33	529-539 W 28 ST (S2)	700	9	73.9	30
34	517-527 W 28 ST (S2)	700	18	73.9	30

** The affect of additional trucks at the Morgan Annex was taken into consideration. Window / wall attenuation requirements were increased by 5 dBA along the assigned routes of Morgan Annex truck traffic.

*** These lots are not expected to be redeveloped under the proposed action, as they contain existing residential buildings.

Note: as action-induced development is not expected on Site 14, the lots comprising this site would not receive noise attenuation (E) designations.

Table 4, Required Attenuation Values for Alternative F with Proposed Council Modifications: Potential Development Sites (the representative monitoring site is shown next to the address)

Site Number	Address	Block Number	Lot(s) Number	Build Max L_{10} (dBA)	Attenuation Required
27 **	530 W 30 ST(S2)	701	58	73.9	35 **
	526-528 W 30 ST(S2)	701	56	73.9	35 **
	524 W 30 ST(S2)	701	55	73.9	35 **
	518-522 W 30 ST(S2)	701	52	73.9	35 **
	506 W 30 ST (S2)	701	45	79.5	35 **
28 **	529-539 W 29 ST(S2)	701	16	73.9	35 **
	527 W 29 ST(S2)	701	22	73.9	35 **
	525 W 29 ST(S2)	701	23	73.9	35 **
29 **	527 W 29 ST (S2)	701	24	73.9	35 **
	515 W 29 ST (S2)	701	28	73.9	35 **
30 **	550 W 29 ST (S2)	700	61	73.9	35 **
	548 W 29 ST (S2)	700	60	73.9	35 **
	546 W 29 ST (S2)	700	59	73.9	35 **
	542-544 W 29 ST (S2)	700	57	73.9	35 **
	540 W 29 ST (S2)	700	56	73.9	35 **
	538 W 29 ST (S2)	700	55	73.9	35 **
	536 W 29 ST (S2)	700	54	73.9	35 **
	534 W 29 ST (S2)	700	53	73.9	35 **
31 **	526-532 W 29 ST (S2)	700	49	73.9	35 **
	524 W 29 ST (S2)	700	48	73.9	35 **
32 **	522 W 29 ST (S2)	700	47	73.9	35 **
	518 W 29 ST (S2)	700	45	73.9	35 **
	516 W 29 ST (S2)	700	44	73.9	35 **
	512 W 29 ST (S2)	700	42	73.9	35 **
33	529-539 W 28 ST (S2)	700	9	73.9	30
34	517-527 W 28 ST (S2)	700	18	73.9	30
35 **	313 Tenth Ave (S4)	700	29***	79.5	40 **
	315 Tenth Ave (S4)	700	30***	79.5	40 **
	317 Tenth Ave (S4)	700	31***	79.5	40 **
	319-321 Tenth Ave (S4)	700	32	79.5	40 **
	323 Tenth Ave (S4)	700	34	79.5	40 **
	327 Tenth Ave (S4)	700	36	79.5	40 **
36	262-280 Eleventh Ave (S1)	699	1	75.7	35
	554 W 28 ST (S1)	699	63	75.7	35
	526-590 W 28 ST (S1)	699	49	75.7	35
37	537 W 27 ST (S2)	699	9	73.9	30
38	535-538 W 27ST (S2)	699	14	73.9	30
	526-590 W 28 ST (S2)	699	49	73.9	30
39	220-240 Eleventh Ave (S5)	697	1	76.2	35
40	210-216 Eleventh Ave (S4)	696	65	79.5	35
41	202-208 Eleventh Ave (S5)	696	1	76.2	35
42	505 W 22 ST (S4)	694	30***	79.5	35
	203 Tenth Avenue (S4)	694	31***	79.5	35
	205 Tenth Avenue (S4)	694	32***	79.5	35

Site Number	Address	Block Number	Lot(s) Number	Build Max L_{10} (dBA)	Attenuation Required
	207 Tenth Avenue (S4)	**694**	**33**	**79.5**	**35**
	500 W 23 ST (S4)	**694**	**39**	**79.5**	**35**
	512 W 23 ST (S4)	**694**	**40**	**79.5**	**35**
43	**527-533 W 19 ST (S6)**	**691**	**15**	**73.3**	**30**
	521-525 W 19 ST (S6)	**691**	**19**	**73.3**	**30**
	517-519 W 19 ST (S6)	**691**	**22**	**73.3**	**30**
	515 W 19 ST (S6)	**691**	**24**	**73.3**	**30**
44	**524 W 19 ST (S6)**	**690**	**46**	**73.3**	**30**
	516-522 W 19 ST (S6)	**690**	**42**	**73.3**	**30**
45	**442 W 18 ST (S9)**	**715**	**59**	**74.9**	**30**
	436 W 18 ST (S9)	**715**	**50**	**74.9**	**30**
46*	**536 W 23 ST**	**694**	**58**	**77.5**	**35**
	548 W 23 ST	**694**	**60**	**77.5**	**35**
	522 W 23 ST	**694**	**61**	**77.5**	**35**
	170 Eleventh Ave	**694**	**65**	**77.5**	**35**
47*	**182 Eleventh Ave**	**695**	**1**	**77.5**	**35**
	186 Eleventh Ave	**695**	**3**	**77.5**	**35**
	188 Eleventh Ave	**695**	**4**	**77.5**	**35**
48*	**549 W 23 ST**	**695**	**7**	**77.5**	**35**
	543 W 23 ST	**695**	**12**	**77.5**	**35**
	536 W 24 ST	**695**	**57**	**77.5**	**35**
49*	**508 W 24 ST**	**695**	**44**	**77.5**	**35**
50*	**514 W 24 ST**	**695**	**47**	**77.5**	**35**
51*	**540 W 24 ST**	**695**	**59**	**77.5**	**35**
52*	**200 Eleventh Ave**	**695**	**67**	**77.5**	**35**
	198 Eleventh Ave	**695**	**68**	**77.5**	**35**
	196 Eleventh Ave	**695**	**69**	**77.5**	**35**
	194 Eleventh Ave	**695**	**70**	**77.5**	**35**
53*	**524 W 23 ST**	**694**	**47**	**77.5**	**35**

* Mixed-use development on Potential Development Sites 46 through 53 requires 35 dBA window-wall attenuation, as per the EAS for the *Chelsea Rezoning (CEQR No. 99DCP030M)*. In order to ensure that the 35 dBA noise attenuation is provided once the mixed—use zoning district is eliminated, the Max L10 (77.5 dBA) recorded in the above referenced EAS is used for these potential development sites.

** The affect of additional trucks at the Morgan Annex was taken into consideration. Window / wall attenuation requirements were increased by 5 dBA along the assigned routes of Morgan Annex truck traffic.

*** These lots are not expected to be redeveloped under the proposed action, as they contain existing residential buildings.

600 0 600 1200 1800 FEET

NOTE: STREETS FOR THE STREET MAP CHANGE C 040508MMM ARE SHOWN ON THIS MAP PRIOR TO BECOMING EFFECTIVE IN ORDER TO LOCATE ZONING DISTRICT BOUNDARIES.

C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.

ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

Major Zoning Classifications:

The number(s) and/or letter(s) that follows an **R**, **C** or **M** District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

R – RESIDENTIAL DISTRICT

C – COMMERCIAL DISTRICT

M – MANUFACTURING DISTRICT

SPECIAL PURPOSE DISTRICT
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

AREA(S) REZONED

Effective Date(s) of Rezoning:

01-22-2015 C 150101 ZMM

Special Requirements:

For a list of lots subject to CEQR environmental requirements, see APPENDIX C.

For a list of lots subject to "D" restrictive declarations, see APPENDIX D.

For Inclusionary Housing designated areas on this map, see APPENDIX F.

MAP KEY

	8a	8c
	8b	8d
	12a	12c

N

ZONING MAP **8b**

NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: **www.nyc.gov/planning** or contact the Zoning Information Desk at (212) 720-3291.

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December 23, 2014

Deutsche Bank AG, New York Branch, and its successors and/or assigns
60 Wall Street, 10th Floor
New York, NY 10005

Re: 515 West 18th Street
Manhattan Block 690, Lots 20 and 29

Dear Sir or Madam:

We are land use counsel to 18TH HIGHLINE ASSOCIATES, L.L.C. (hereinafter the "Developer") and we have been asked by Developer to provide our opinion concerning zoning regulations applicable to the above referenced development site (the "Development Site"). In rendering this opinion we have reviewed and are relying upon the New York City Zoning Resolution (the "Resolution") and the following documents supplied to us:

1. December 3, 2014 Survey of Block 690, Lot 12 and Lot 54 prepared by Lockwood, Kessler & Bartlett, Inc. ("LKB Survey")

2. July 29, 2014 Survey of Block 690, Lot 20 & 29 prepared by Fehringer Surveying, P.C. ("Fehringer Survey")

Furthermore, in rendering this opinion we have relied on the accuracy of these documents and have no reason to believe that they are not as they appear or that the representations contained therein are not true.

The Development Site is located on Manhattan Block 690 extending between Tenth Avenue and Eleventh Avenue from West 18th Street to West 19th Street and including Tax Lots 20 and 29 (the "Development Site"). We understand the Development Site is proposed to be merged with adjacent Tax Lots 12 and 54 (the "Air Rights Parcels")—which lots currently form a single zoning lot—to create a single Zoning Lot comprising Tax Lots 12, 20, 29 and 54 (collectively, the "Zoning Lot") and have assumed this to be the case for the purposes of the application of zoning regulations. We also understand that a Zoning Lot Development Agreement that sets forth permitted development on each portion of the Zoning Lot and substantially in the form attached hereto as **Exhibit A** ("ZLDA") will be executed subsequent to Developer's purchase of the Development Site and recorded against all tax lots comprising the Zoning Lot.

According to the Fehringer Survey the Development Site totals 46,000 square feet. According to the LKB Survey the Air Rights Parcels total approximately 29,460 square feet. As such, the Zoning Lot totals approximately 75,460 square feet.

The High Line runs over the eastern portion of the Zoning Lot, on a portion of tax lot 29. The High Line is a former elevated rail line, this portion of which was converted to a public park in 2009. Pursuant to the Zoning Resolution of the City of New York, the Site is wholly located within the Special West Chelsea District (the "WCh"), a special zoning district originally enacted in 2005 to encourage residential development along the High Line corridor and allow for the preservation of the High Line as a public park. Special districts are zoning districts that overlay the underlying zoning districts and are designed to foster or enhance the special character of a specific geographic area. Special district regulations supersede the underlying zoning regulations. Where the special district regulations are silent, the underlying zoning regulations remain in effect. The WCh also identifies subareas that set forth bulk regulations for development superseding the bulk regulations of the underlying zoning districts.

The portion of the Zoning Lot within 140 feet of Eleventh Avenue is zoned C6-3 and lies within Subarea D of the WCh. According to the LKB Survey this portion of the Zoning Lot totals approximately 27,301 square feet. Subarea D of the WCh permits development with a maximum FAR of 7.5 including all bonuses[1]. The basic FAR in Subarea D is 5.0 FAR. This FAR may be increased by up to 2.5 FAR to 7.5 FAR via transfer of floor area from a

[1] Floor Area Ratio (hereinafter "FAR") is the Zoning Resolution method of determining permitted development for a parcel of land. The amount of permitted development is a ratio of the permitted FAR multiplied by the size of the lot area contained in the zoning district. As an example: a 20,000 sq. ft. parcel with a 6 FAR is permitted to develop a maximum of 120,000 square feet of floor area.

granting site within the High Line Transfer Corridor pursuant to ZR Section 98-30 or via the High Line Improvement Bonus pursuant to ZR Section 98-24.

The portion of the Zoning Lot beyond 140 feet from Eleventh Avenue is zoned C6-2 and lies within Subareas E and G of the WCh. According to the LKB Survey and the Fehringer Survey this portion of the Zoning Lot totals approximately 48,159 square feet. Subareas E and G of the WCh permit development with a maximum FAR of 6.0 including all bonuses. The basic FAR in Subareas E and G is 5.0 FAR. This FAR may be increased by up to 1.0 FAR to 6.0 FAR via transfer of floor area from a granting site within the High Line Transfer Corridor pursuant to ZR Section 98-30 or via the High Line Improvement Bonus pursuant to ZR Section 98-24.

(In the event the Development Site were not to be merged with the Air Rights Parcels to create a single zoning lot, applying the permitted Floor Area Ratios of the WCh, the 46,000-square-foot Development Site portion of the Zoning Lot (excluding the Air Rights parcels) would generate a basic maximum Floor Area of 230,000 square feet.)

Applying the permitted Floor Area Ratios of the WCh including the increase provisions available for this Development, the Zoning Lot generates a basic Floor Area of approximately 377,298 square feet and a High Line Transfer Corridor/High Line Improvement Bonus increase of approximately 116,410 square feet of floor area for a total available zoning floor area on the Zoning Lot of approximately 493,708 square feet.[2]

The ZLDA indicates that the Air Rights parcels' basic maximum FAR of 5.0—which totals to approximately 147,298 square feet— will be reserved for development on the Air Rights parcels and all remaining floor area available to the Zoning Lot including all basic floor area and all bonus floor area available through the utilization of all bonus provisions as discussed herein will be permitted to be developed on the Development Site. This remaining floor area would total approximately 346,410 square feet.

Typically, the Zoning Resolution prevents the transfer of floor area across zoning district or subdistrict boundaries where the two districts or subdistricts have different maximum permitted FARs. However, pursuant to ZR Section 98-24, within the WCh, for zoning lots fronting on West 18th Street and located partially in Subarea D, partially in Subarea E and partially in Subarea G, floor area may be transferred across zoning district and subarea boundaries without restriction. Thus, subsequent to the merger of the Air Rights

[2] Totals may not add due to rounding

Parcels and the Development Site into a single Zoning Lot, floor area from the Air Rights Parcels may be transferred to the Development Site.

Furthermore, pursuant to ZR Section 98-24, either the provisions of Sections 98-25 (High Line Improvement Bonus) or 98-30 (HIGH LINE TRANSFER CORRIDOR) may apply to such zoning lot, as applicable, and the maximum permitted floor area ratio specified in Section 98-22 shall apply, as applicable, for each subarea.

As such, there are two alternate means of bonusing the Zoning Lot from its basic maximum FAR of 5.0 to an FAR of 6.0 (for the portion of the site located in Subareas E and G) and 7.5 (for the portion of the site located in Subarea D), as discussed further below. These bonus provisions are non-discretionary, i.e. if all the conditions for obtaining the bonus are satisfied, the bonus will be granted and does not require discretionary votes by the City Planning Commission or other government agencies.

ZR Section 98-30 sets forth the "High Line Transfer Corridor"—an area within which a zoning lot or portion thereof may be a "granting site" and transfer its basic maximum permissible floor area to a "receiving site" within certain subareas of the WCh. The regulations for transferring floor area in this way are set forth in Section 98-33 of the Zoning Resolution. Pursuant to ZR Section 98-33, a "granting site" can be a zoning lot or portion thereof in the High Line Transfer Corridor; and a "receiving site" can be a zoning lot or portion thereof located in any subarea other than subareas F and H.

ZR Section 98-25 sets forth the "High Line Improvement Bonus," applicable to Zoning Lots located between West 15th and West 19th Streets over which the High Line passes. For such Zoning Lots, the applicable basic maximum floor area ratio on the zoning lot may be increased as discussed herein and as outlined fully in ZR Section 98-25 and WCh Appendix E.

Prior to issuing a building permit for any development or enlargement utilizing floor area pursuant to the High Line Improvement Bonus, the Department of Buildings must be furnished with a certification by the Chairperson of the City Planning Commission confirming the following conditions have been met:

- A $50 per-square-foot contribution must be deposited into the High Line Improvement Fund or secured by a letter of credit or other cash equivalent instrument in a form acceptable to the City for floor area which exceeds the basic maximum floor area on the zoning lot. To obtain the full amount of the

approximately 116,410 square feet of bonus zoning floor area available on the Zoning Lot, a total contribution of approximately $5,820,500 would be required;

- All parties-in-interest have executed a restrictive declaration including easements to the City providing for: the location of and public access to and from a stairway and elevator on the zoning lot that will provide access to the High Line and for maintenance and repair by the City of such stairway and elevator;

- Plans have been submitted for review and approval by the Chairperson of the City Planning Commission for the provision of a stairway and an elevator located directly adjacent to or below the high line. Such stairs and elevator must be in compliance with the provisions set forth in WCh Appendix E, and must be consistent with New York City Department of Parks and Recreation standards and best practices governing materials life cycle and maintenance.

- All parties-in-interest to the zoning lot have executed a declaration of restrictions including and incorporating such other instruments as are necessary to assure that the City's interest in the restoration and reuse of the High Line as an accessible public open space is protected, as determined by the Department of City Planning in consultation with the Office of the Corporation Counsel, and such declaration is filed and recorded in the Office of the Register of the City of New York.

In addition to the mandatory provisions outlined above, the owner of a zoning lot may, at its request and upon coordination and approval of the City, elect to perform High Line Improvements (i.e. non-structural and non-remediation work) on the portion of the High Line on the Site and over streets contiguous to the site. If the owner chooses to perform such work, then the issuance of a building permit would further be subject to the execution of an agreement, approved by the Chairperson of the City Planning Commission, to perform such work. It is our understanding that the Developer has no intention of making a request to perform such work.

In summary, based on the foregoing representations and documentation incorporated by reference into this opinion letter, we are of the opinion that, as of the date of issuance of this letter: 1) approximately 346,410 square feet of zoning floor area is permitted to be developed on the Development Site provided the Development Site is merged with the Air Rights Parcels to create a single zoning lot and provided the above-referenced conditions are met; and 2) the zoning floor area bonus required to permit this amount of zoning floor area does not require discretionary votes by the City Planning Commission or other government agencies.

This letter is limited to the matters stated herein, and no opinion is implied or may be inferred beyond the matters expressly stated. Our opinion is based upon and relies upon the current status of law, and in all respects is subject to and may be limited by future legislation or case law. This letter is given as of the date hereof, and we expressly disclaim any obligation to update or supplement our opinions contained herein to reflect any facts or circumstances that may hereafter come to our attention or any changes in laws which may hereafter occur.

The opinions expressed herein represent our reasonable professional judgment as to the matters of law addressed herein, based upon the facts presented or assumed, and are not guarantees that a court will reach any particular result.

This letter may only be relied upon by the entities to which it is addressed, their participants, assignees and co-lenders and may not be relied upon by any other person or entity and may not be used, circulated, furnished, quoted or otherwise referred to for any other purpose without our express written permission.

Very truly yours,

Fox Rothschild, LLP