1036 MANHATTAN AVE BCP SITE
BROWNFIELD CLEANUP PROGRAM APPLICATION

For the Property located at
1032 and 1036-1038 Manhattan Avenue
Brooklyn, NY 11222

Submitted to:
Site Control Section
Attn: Gerard Burke
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Prepared for:
BK Corner LLC
c/o Jennifer Webber
49 Box Street
Brooklyn, NY 11222

Prepared by:

1001 6th Avenue, 11th Floor
New York, NY 10018

December, 2020
Rev. January, 2021

Affiliated with Integral Consulting Inc.

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

DEC requires an application to request major changes to the description of the property set forth in a Brownfield Cleanup Agreement, or "*BCA*" (e.g., adding a significant amount of new property, or adding property that could affect an eligibility determination due to contamination levels or intended land use). Such application must be submitted and processed in the same manner as the original application, including the required public comment period. **Is this an application to amend an existing BCA?**

☐ **Yes** ☑ **No** **If yes, provide existing site number:** _____

PART A (note: application is separated into Parts A and B for DEC review purposes) ***BCP App Rev 10***

Section I. Requestor Information - See Instructions for Further Guidance

DEC USE ONLY
BCP SITE #: _____

NAME BK Corners LLC

ADDRESS 49 Box Street

CITY/TOWN Brooklyn, NY ZIP CODE 11222

PHONE 443 278 4075 | FAX None | E-MAIL jennifer@ashnyc.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 the New York State Department of Environmental Conservation (DEC) with the application to document that the requestor is authorized to do business in NYS. **Please note:** If the requestor is an LLC, the members/owners names need to be provided on a separate attachment.

Do all individuals that will be certifying documents meet the requirements detailed below? ☑ Yes ☐ No

- 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 Article 145 of New York State Education Law. **Documents that are not properly certified will be not approved under the BCP**.

Section II. Project Description

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

NOTE: If the project is proposed to start at the remediation stage, a Remedial Investigation Report (RIR) at a minimum is required to be attached, resulting in a 30-day public comment period. If an Alternatives Analysis and Remedial Work Plan are also attached (see DER-10 / Technical Guidance for Site Investigation and Remediation for further guidance) then a 45-day public comment period is required.

2. If a final RIR is included, please verify it meets the requirements of Environmental Conservation Law (ECL) Article 27-1415(2): ☐ Yes ☐ No

3. Please attach a short description of the overall development project, including:

- the date that the remedial program is to start; and
- the date the Certificate of Completion is anticipated.

Section III. Property's Environmental History

All applications **must include** an Investigation Report (per ECL 27-1407(1)). The report must be sufficient to establish contamination of environmental media on the site above applicable Standards, Criteria and Guidance (SCGs) based on the reasonably anticipated use of the property.

To the extent that existing information/studies/reports are available to the requestor, please attach the following (***please submit the information requested in this section in electronic format only***):

1. **Reports:** an example of an Investigation Report is a Phase II Environmental Site Assessment report prepared in accordance with the latest American Society for Testing and Materials standard (ASTM E1903). **Please submit a separate electronic copy of each report in Portable Document Format (PDF).**

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	Soil Gas
Petroleum			
Chlorinated Solvents		cis-1,2-DCE, PCE, TCE, VC	cis-1,2-DCE, TCE, VC
Other VOCs			
SVOCs	PAHs	PAHs	
Metals	As, Cu, Pb, Hg, Zn	Mg, Mn, Na, Se	
Pesticides			
PCBs			
Other*			

***Please describe:** _____

3. FOR EACH IMPACTED MEDIUM INDICATED ABOVE, INCLUDE A SITE DRAWING INDICATING:

- **SAMPLE LOCATION**
- **DATE OF SAMPLING EVENT**
- **KEY CONTAMINANTS AND CONCENTRATION DETECTED**
- **FOR SOIL, HIGHLIGHT IF ABOVE REASONABLY ANTICIPATED USE**
- **FOR GROUNDWATER, HIGHLIGHT EXCEEDANCES OF 6NYCRR PART 703.5**
- **FOR SOIL GAS/ SOIL VAPOR/ INDOOR AIR, HIGHLIGHT IF ABOVE MITIGATE LEVELS ON THE NEW YORK STATE DEPARTMENT OF HEALTH MATRIX**

THESE DRAWINGS ARE TO BE REPRESENTATIVE OF ALL DATA BEING RELIED UPON TO MAKE THE CASE THAT THE SITE IS IN NEED OF REMEDIATION UNDER THE BCP. DRAWINGS SHOULD NOT BE BIGGER THAN 11" X 17". THESE DRAWINGS SHOULD BE PREPARED IN ACCORDANCE WITH ANY GUIDANCE PROVIDED.

ARE THE REQUIRED MAPS INCLUDED WITH THE APPLICATION?* ☑ **Yes** ☐ **No**
(*answering No will result in an incomplete application)

4. 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: Mixed Residential / Commercial use ("paints", dry cleaner, hardware store).

Section IV. Property Information - See Instructions for Further Guidance

PROPOSED SITE NAME 1036 Manhattan Ave BCP Site

ADDRESS/LOCATION 1032 and 1036-1038 Manhattan Avenue

CITY/TOWN Brooklyn ZIP CODE 11222

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

COUNTY Kings County SITE SIZE (ACRES) 0.229

LATITUDE (degrees/minutes/seconds)	LONGITUDE (degrees/minutes/seconds)
40 ° 44 ' 3.40 "	73 ° 57 ' 16.55 "

Complete tax map information for all tax parcels included within the proposed site boundary. If a portion of any lot is proposed , please indicate as such by inserting "P/O" in front of the lot number in the appropriate box below, and only include the acreage for that portion of the tax parcel in the corresponding far right column.ATTACH REQUIRED MAPS PER THE APPLICATION INSTRUCTIONS.

Parcel Address	Section No.	Block No.	Lot No.	Acreage
See attached for Parcel Information				

1. Do the proposed site boundaries correspond to tax map metes and bounds? ☑ Yes ☐ No
   If no, please attach an accurate map of the propsed site.

2. Is the required property map attached to the application? ☑ Yes ☐ No
   (application will not be processed without map)

3. Is the property within a designated Environmental Zone (En-zone) pursuant to Tax Law 21(b)(6)?
   (See DEC's website for more information) Yes ☐ No ☑

   If yes, identify census tract : _____

   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)? ☐ Yes ☑ No

   If yes, identify name of properties (and site numbers if available) in related BCP applications:_____

5. Is the contamination from groundwater or soil vapor solely emanating from property other than the site subject to the present application? ☐ Yes ☑ No

6. Has the property previously been remediated pursuant to Titles 9, 13, or 14 of ECL Article 27, Title 5 of ECL Article 56, or Article 12 of Navigation Law? ☐ Yes ☑ No
   If yes, attach relevant supporting documentation.

7. Are there any lands under water? ☐ Yes ☑ No
   If yes, these lands should be clearly delineated on the site map.

Section IV. Property Information (continued)

8. Are there any easements or existing rights of way that would preclude remediation in these areas? ☐ Yes ☑ No
   If yes, identify here and attach appropriate information.

Easement/Right-of-way Holder	Description

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

Type	Issuing Agency	Description
None		

10. Property Description and Environmental Assessment – **please refer to application instructions for the proper format of <u>each</u> narrative requested.**

    Are the Property Description and Environmental Assessment narratives included in the **prescribed format**? ☑ Yes ☐ No

Note: Questions 11 through 13 only pertain to sites located within the five counties comprising New York City

11. Is the requestor seeking a determination that the site is eligible for tangible property tax credits? ☑ Yes ☐ No
    If yes, requestor must answer questions on the supplement at the end of this form.

12. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down? ☐ Yes ☑ No

13. If you have answered *Yes* to Question 12, above, is an independent appraisal of the value of the property, as of the date of application, prepared under the hypothetical condition that the property is not contaminated, included with the application? ☐ Yes ☐ No

NOTE: If a tangible property tax credit determination is not being requested in the application to participate in the BCP, the applicant may seek this determination at any time before issuance of a certificate of completion by using the BCP Amendment Application, <u>except</u> for sites seeking eligibility under the underutilized category.

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

Initials of each Requestor: JG _____ _____ _____ _____ _____

BCP application - PART B (note: application is separated into Parts A and B for DEC review purposes)

Section V. Additional Requestor Information See Instructions for Further Guidance	DEC USE ONLY BCP SITE NAME: _____ BCP SITE #: _____	
NAME OF REQUESTOR'S AUTHORIZED REPRESENTATIVE Ash NYC, c/o Jennifer Webber		
ADDRESS 49 Box Street		
CITY/TOWN Brooklyn, NY		ZIP CODE 11222
PHONE 443-278-4075	FAX None	E-MAIL Jennifer@ashnyc.com
NAME OF REQUESTOR'S CONSULTANT Integral Engineering P.C., c/o Keith Brodock, P.E.		
ADDRESS 1001 6th Avenue, 11th Floor		
CITY/TOWN New York, NY		ZIP CODE 10018
PHONE 212-962-4301	FAX 929-205-9902	E-MAIL KBrodock@Integral-corp.com
NAME OF REQUESTOR'S ATTORNEY Brown Duke & Fogel, P.C., c/o George Duke, Esq.		
ADDRESS 350 5th Avenue, Suite 4640		
CITY/TOWN New York, NY		ZIP CODE 10118
PHONE 646-915-0236	FAX 646-219-2601	E-MAIL GDuke@bdflegal.com
Section VI. Current Property Owner/Operator Information – if not a Requestor		
CURRENT OWNER'S NAME See attached.		OWNERSHIP START DATE:
ADDRESS		
CITY/TOWN		ZIP CODE
PHONE	FAX	E-MAIL
CURRENT OPERATOR'S NAME		
ADDRESS		
CITY/TOWN		ZIP CODE
PHONE	FAX	E-MAIL

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

IF REQUESTOR IS NOT THE CURRENT OWNER, DESCRIBE REQUESTOR'S RELATIONSHIP TO THE CURRENT OWNER, INCLUDING ANY RELATIONSHIP BETWEEN REQUESTOR'S CORPORATE MEMBERS AND THE CURRENT OWNER.

Section VII. 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 for the investigation, removal or remediation of contamination at the site? ☐ Yes ☑ No
3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? Any questions regarding whether a party is subject to a spill claim should be discussed with the Spill Fund Administrator. ☐ Yes ☑ No

Section VII. Requestor Eligibility Information (continued)

4. Has the requestor been determined in an administrative, civil or criminal proceeding to be in violation of i) any provision of the ECL Article 27; ii) any order or determination; iii) any regulation implementing Title 14; or iv) any similar statute, regulation of the state or federal government? If so, provide an explanation on a separate attachment. ☐ Yes ☑ No
5. Has the requestor previously been denied entry to the BCP? If so, include information relative to the application, such as name, address, DEC assigned site number, the reason for denial, and other relevant information. ☐ Yes ☑ No
6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving the handling, storing, treating, disposing or transporting of contaminants? ☐ Yes ☑ No
7. Has the requestor been convicted of a criminal offense i) involving the handling, storing, treating, disposing or transporting of contaminants; or ii) that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration (as that term is used in Article 195 of the Penal Law) under federal law or the laws of any state? ☐ Yes ☑ No
8. Has the requestor knowingly falsified statements or concealed material facts in any matter within the jurisdiction of DEC, or submitted a false statement or made use of or made a false statement in connection with any document or application submitted to DEC? ☐ 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
10. Was the requestor's participation in any remedial program under DEC's oversight terminated by DEC or by a court for failure to substantially comply with an agreement or order? ☐ Yes ☑ No
11. Are there any unregistered bulk storage tanks on-site which require registration? ☐ Yes ☑ No

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, a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site 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; iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.

If a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site, submit a statement describing why you should be considered a volunteer – be specific as to the appropriate care taken.

Section VII. Requestor Eligibility Information (continued)

Requestor Relationship to Property (check one):
☐ Previous Owner ☐ Current Owner ☑ Potential /Future Purchaser ☐ Other_____

If requestor is not the current site owner, **proof of site access sufficient to complete the remediation must be submitted**. Proof must show that the requestor will have access to the property before signing the BCA and throughout the BCP project, including the ability to place an easement on the site Is this proof attached?

☑ Yes ☐ No

Note: a purchase contract does not suffice as proof of access.

Section VIII. Property Eligibility Information - See Instructions for Further Guidance

1. Is / was the property, or any portion of the property, listed on the National Priorities List?
   If yes, please provide relevant information as an attachment. ☐ Yes ☑ No
2. Is / was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites pursuant to ECL 27-1305? ☐ Yes ☑ No
   If yes, please provide: Site #_____ Class # _____
3. Is / was 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. If the answer to question 2 or 3 above is yes, is the site owned by a volunteer as defined under ECL 27-1405(1)(b), or under contract to be transferred to a volunteer? Attach any information available to the requestor related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filing and corporate dissolution documentation. ☐ Yes ☐ No
5. Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10?
   If yes, please provide: Order #_____ ☐ Yes ☑ No
6. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum?
   If yes, please provide explanation as an attachment. ☐ Yes ☑ No

Section IX. Contact List Information

To be considered complete, the application must include the Brownfield Site Contact List in accordance with *DER-23 / Citizen Participation Handbook for Remedial Programs*. 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. The location of a document repository for the project (e.g., local library). **If the site is located in a city with a population of one million or more, add the appropriate community board as an additional document repository**. In addition, attach a copy of an acknowledgement from each repository indicating that it agrees to act as the document repository for the site.

Section X. Land Use Factors

1. What is the current municipal zoning designation for the site? R7A / C2-4

   What uses are allowed by the current zoning? (Check boxes, below)

   ☑ Residential ☑ Commercial ☐ Industrial

   If zoning change is imminent, please provide documentation from the appropriate zoning authority.

2. Current Use: ☐ Residential ☐ Commercial ☐ Industrial ☑ Vacant ☐ Recreational (check all that apply)

   Attach a summary of current business operations or uses, with an emphasis on identifying possible contaminant source areas. If operations or uses have ceased, provide the date.

3. Reasonably anticipated use Post Remediation: ☑ Residential ☑ Commercial ☐ Industrial (check all that apply) **Attach a statement detailing the specific proposed use.**

   If residential, does it qualify as single family housing? ☐ Yes ☑ No

4. Do current historical and/or recent development patterns support the proposed use?	☑ Yes ☐ No
5. Is the proposed use consistent with applicable zoning laws/maps? Briefly explain below, or attach additional information and documentation if necessary. The Site location is zoned for mixed commercial/residential use. The proposed plan is to operate the Site as mixed-use, with commercial space occupying a portion of the first floor and residential units occupying floors 2-8.	☑ Yes ☐ No
6. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? Briefly explain below, or attach additional information and documentation if necessary. While not a part of a formal community master plan or other community plan, the proposed use is consistent with zoning and recent redevelopment patterns in the area. The plan to continue operating the Site as a mixed-use commercial and residential property supports the economic growth of the area.	☑ Yes ☐ No

XI. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I hereby acknowledge and agree: (1) to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, 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 a requestor other than an individual)

I hereby affirm that I am an authorized signatory (title) of BK Corners LLC (entity); that I am authorized by that entity to make this application and execute the Brownfield Cleanup Agreement (BCA) and all subsequent amendments; that this application was prepared by me or under my supervision and direction. If this application is approved, I acknowledge and agree: (1) to execute a BCA within 60 days of the date of DEC's approval letter; (2) to the general terms and conditions set forth in the *DER-32, Brownfield Cleanup Program Applications and Agreements*; and (3) that in the event of a conflict between the general terms and conditions of participation and the terms contained in a site-specific BCA, the terms in the site-specific BCA shall control. Further, 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: 12/14/20 Signature: _____

Print Name: Jenna Goldman

SUBMITTAL INFORMATION:

- **Two (2)** copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF), 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

FOR DEC USE ONLY
BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

Supplemental Questions for Sites Seeking Tangible Property Credits in New York City ONLY. Sufficient information to demonstrate that the site meets one or more of the criteria identified in ECL 27 1407(1-a) must be submitted if requestor is seeking this determination.

BCP App Rev 10

Property is in Bronx, Kings, New York, Queens, or Richmond counties.	☑ Yes ☐ No
Requestor seeks a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit.	☑ Yes ☐ No
Please answer questions below and provide documentation necessary to support answers.	
1. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)? Please see DEC's website for more information.	☐ Yes ☑ No
2. Is the property upside down or underutilized as defined below? Upside Down?	☐ Yes ☑ No
Underutilized?	☐ Yes ☑ No

From ECL 27-1405(31):

"Upside down" shall mean a property where the projected and incurred cost of the investigation and remediation which is protective for the anticipated use of the property equals or exceeds seventy-five percent of its independent appraised value, as of the date of submission of the application for participation in the brownfield cleanup program, developed under the hypothetical condition that the property is not contaminated.

From 6 NYCRR 375-3.2(l) as of August 12, 2016: (Please note: Eligibility determination for the underutilized category can only be made at the time of application)

375-3.2:

(l) "Underutilized" means, as of the date of application, real property on which no more than fifty percent of the permissible floor area of the building or buildings is certified by the applicant to have been used under the applicable base zoning for at least three years prior to the application, which zoning has been in effect for at least three years; and

(1) the proposed use is at least 75 percent for industrial uses; or

(2) at which:

(i) the proposed use is at least 75 percent for commercial or commercial and industrial uses;

(ii) the proposed development could not take place without substantial government assistance, as certified by the municipality in which the site is located; and

(iii) one or more of the following conditions exists, as certified by the applicant:

(a) property tax payments have been in arrears for at least five years immediately prior to the application;

(b) a building is presently condemned, or presently exhibits documented structural deficiencies, as certified by a professional engineer, which present a public health or safety hazard; or

(c) there are no structures.

"Substantial government assistance" shall mean a substantial loan, grant, land purchase subsidy, land purchase cost exemption or waiver, or tax credit, or some combination thereof, from a governmental entity.

Supplemental Questions for Sites Seeking Tangible Property Credits in New York City (continued)

3. If you are seeking a formal determination as to whether your project is eligible for Tangible Property Tax Credits based in whole or in part on its status as an affordable housing project (defined below), you must attach the regulatory agreement with the appropriate housing agency (typically, these would be with the *New York City Department of Housing, Preservation and Development*; *the New York State Housing Trust Fund Corporation*; the *New York State Department of Housing and Community Renewal*; or the *New York State Housing Finance Agency*, though other entities may be acceptable pending Department review). **Check appropriate box, below**:

☐ Project is an Affordable Housing Project - Regulatory Agreement Attached;

☑ Project is Planned as Affordable Housing, But Agreement is Not Yet Available* (*Checking this box will result in a "pending" status. The Regulatory Agreement will need to be provided to the Department and the Brownfield Cleanup Agreement will need to be amended prior to issuance of the CoC in order for a positive determination to be made.);

☐ This is Not an Affordable Housing Project.

From 6 NYCRR 375- 3.2(a) as of August 12, 2016:

(a) "Affordable housing project" means, for purposes of this part, title fourteen of article twenty seven of the environmental conservation law and section twenty-one of the tax law only, a project that is developed for residential use or mixed residential use that must include affordable residential rental units and/or affordable home ownership units.

(1) Affordable residential rental projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which defines (i) a percentage of the residential rental units in the affordable housing project to be dedicated to (ii) tenants at a defined maximum percentage of the area median income based on the occupants' households annual gross income.

(2) Affordable home ownership projects under this subdivision must be subject to a federal, state, or local government housing agency's affordable housing program, or a local government's regulatory agreement or legally binding restriction, which sets affordable units aside for home owners at a defined maximum percentage of the area median income.

(3) "Area median income" means, for purposes of this subdivision, the area median income for the primary metropolitan statistical area, or for the county if located outside a metropolitan statistical area, as determined by the United States department of housing and urban development, or its successor, for a family of four, as adjusted for family size.

BCP Application Summary (for DEC use only)

Site Name: 1036 Manhattan Ave BCP Site **Site Address:** 1032 and 1036-1038 Manhattan Avenue
City: Brooklyn **County:** Kings County **Zip:** 11222

Tax Block & Lot
Section (if applicable): **Block:** **Lot:**

Requestor Name: BK Corners LLC **Requestor Address:** 49 Box Street
City: Brooklyn, NY **Zip:** 11222 **Email:** jenna@ashnyc.com

Requestor's Representative (for billing purposes)
Name: Ash NYC, c/o Jenna Goldman **Address:** 49 Box Street
City: Brooklyn, NY **Zip:** 11222 **Email:** Jenna@ashnyc.com

Requestor's Attorney
Name: Brown Duke & Fogel, P.C., c/o George Duke, Esq. **Address:** 350 5th Avenue, Suite 4640
City: New York, NY **Zip:** 10118 **Email:** GDuke@bdflegal.com

Requestor's Consultant
Name: Integral Engineering P.C., c/o Keith Brodock, P.E. **Address:** 1001 6th Avenue, 11th Floor
City: New York, NY **Zip:** 10018 **Email:** KBrodock@Integral-corp.com

Percentage claimed within an En-Zone: ☑ **0%** ☐ **<50%** ☐ **50-99%** ☐ **100%**

DER Determination: ☐ Agree ☐ Disagree

Requestor's Requested Status: ☑ **Volunteer** ☐ **Participant**

DER/OGC Determination: ☐ Agree ☐ Disagree
Notes:

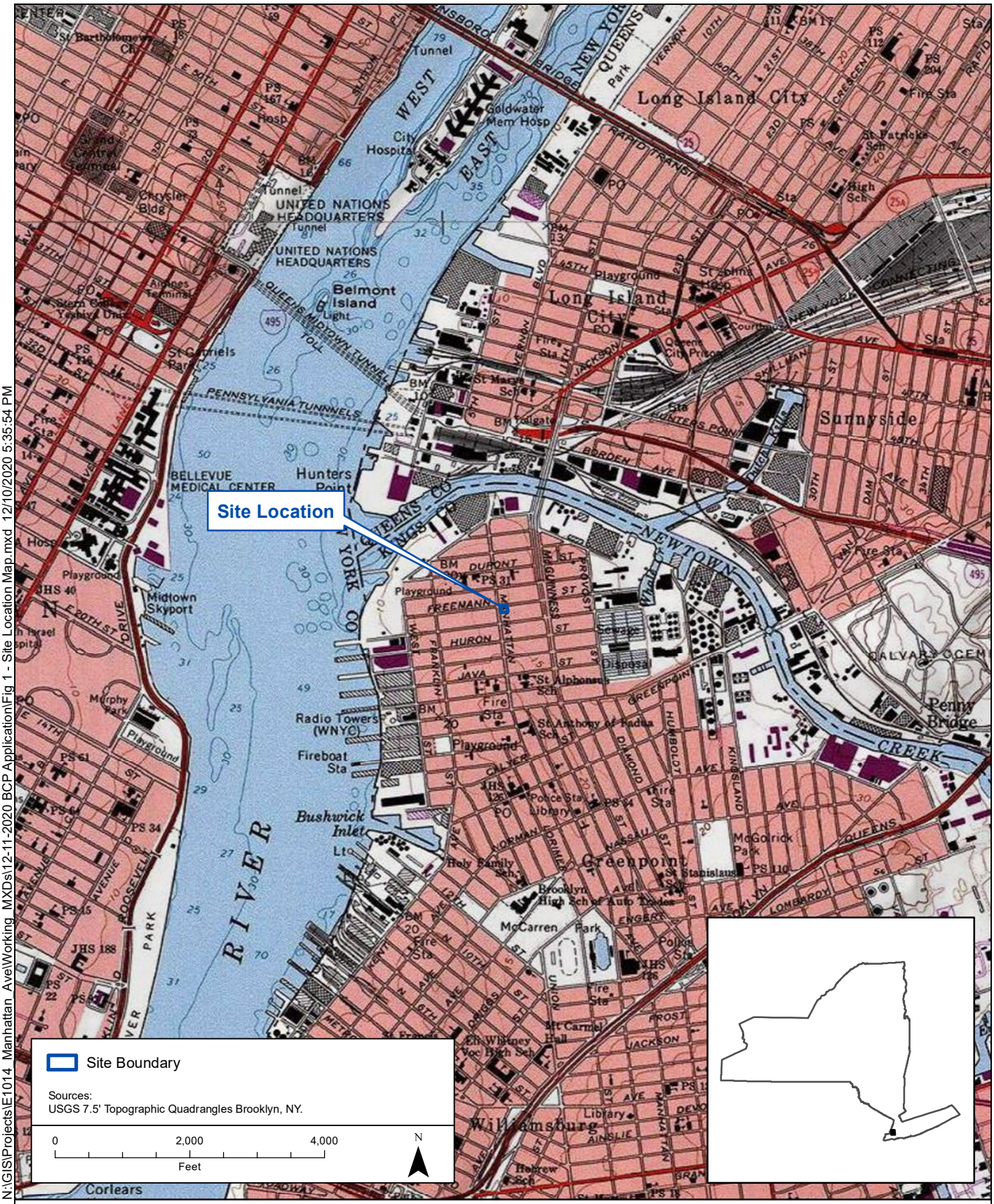
For NYC Sites, is the Requestor Seeking Tangible Property Credits: ☑ Yes ☐ No

Does Requestor Claim Property is Upside Down: ☐ Yes ☑ No
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

Does Requestor Claim Property is Underutilized: ☐ Yes ☑ No
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

Does Requestor Claim Affordable Housing Status: ☐ Yes ☐ No ☑ Planned, No Contract
DER/OGC Determination: ☐ Agree ☐ Disagree ☐ Undetermined
Notes:

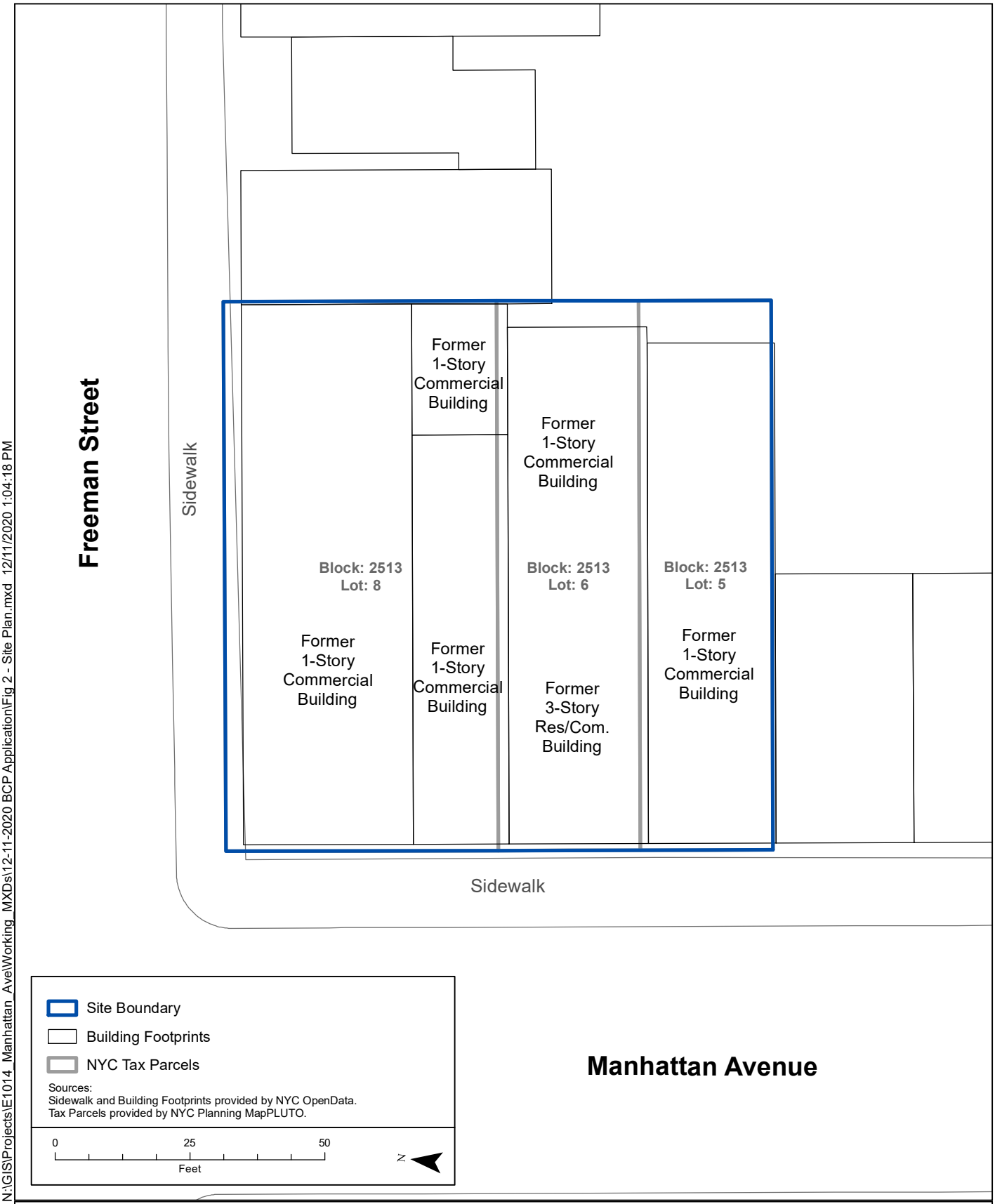
Figures



N:\GIS\Projects\E1014_Manhattan_Ave\Working_MXDs\12-11-2020 BCP Application\Fig 1 - Site Location Map.mxd 12/10/2020 5:35:54 PM

integral engineering p.c.
1001 6th Avenue, 11th Floor
New York, NY 10018
www.integral-corp.com

Figure 1.
Site Location Map
1036 Manhattan Ave.
Brooklyn, NY 11222



N:\GIS\Projects\E1014_Manhattan_Ave\Working_MXDs\12-11-2020 BCP Application\Fig 2 - Site Plan.mxd 12/11/2020 1:04:18 PM

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Notes:
Site buidlings were demolished in 2020.

Figure 2.
Site Plan
1036 Manhattan Ave.
Brooklyn, NY 11222

ID	Block	Lot	Address	Owner
A	2504	44	1043 Manhattan Ave.	Krystyna Malik
B	2505	1	1044 Manhattan Ave.	Irene Klementowicz
C	2505	2	1048 Manhattan Ave.	Manhattan Holdings NY LLC
D	2505	58	181 Freeman St.	Geri N. Cizmar
E	2505	59	179 Freeman St.	Irene Klementowicz
F	2512	43	1041 Manhattan Ave.	Alfred Kaminski
G	2512	44	1037 Manhattan Ave.	1037 Manhattan Avenue LLC
H	2512	45	1035 Manhattan Ave.	1035 Manhattan Avenue LLC
I	2512	46	1031 Manhattan Ave.	P. F. H. Manhattan Ave. H.
J	2512	47	1029 Manhattan Ave.	Man-Ave, LLC
K	2512	48	1025 Manhattan Ave.	Emil Sofsky
L	2513	1	1020 Manhattan Ave.	Leko Enterprises, LLC
M	2513	3	1026 Manhattan Ave.	Marria LLC
N	2513	4	1030 Manhattan Ave.	Matta LLC
O	2513	10	178 Freeman St.	Andre Daparma
P	2513	11	180 Freeman St.	Andre Daparma
Q	2513	57	177 Green St.	Mahbub Rahman

N:\GIS\Projects\E1014_Manhattan_Ave\Working_MXDs\12-11-2020 BCP Application\Fig 3 - Tax Map.mxd 12/10/2020 5:57:43 PM

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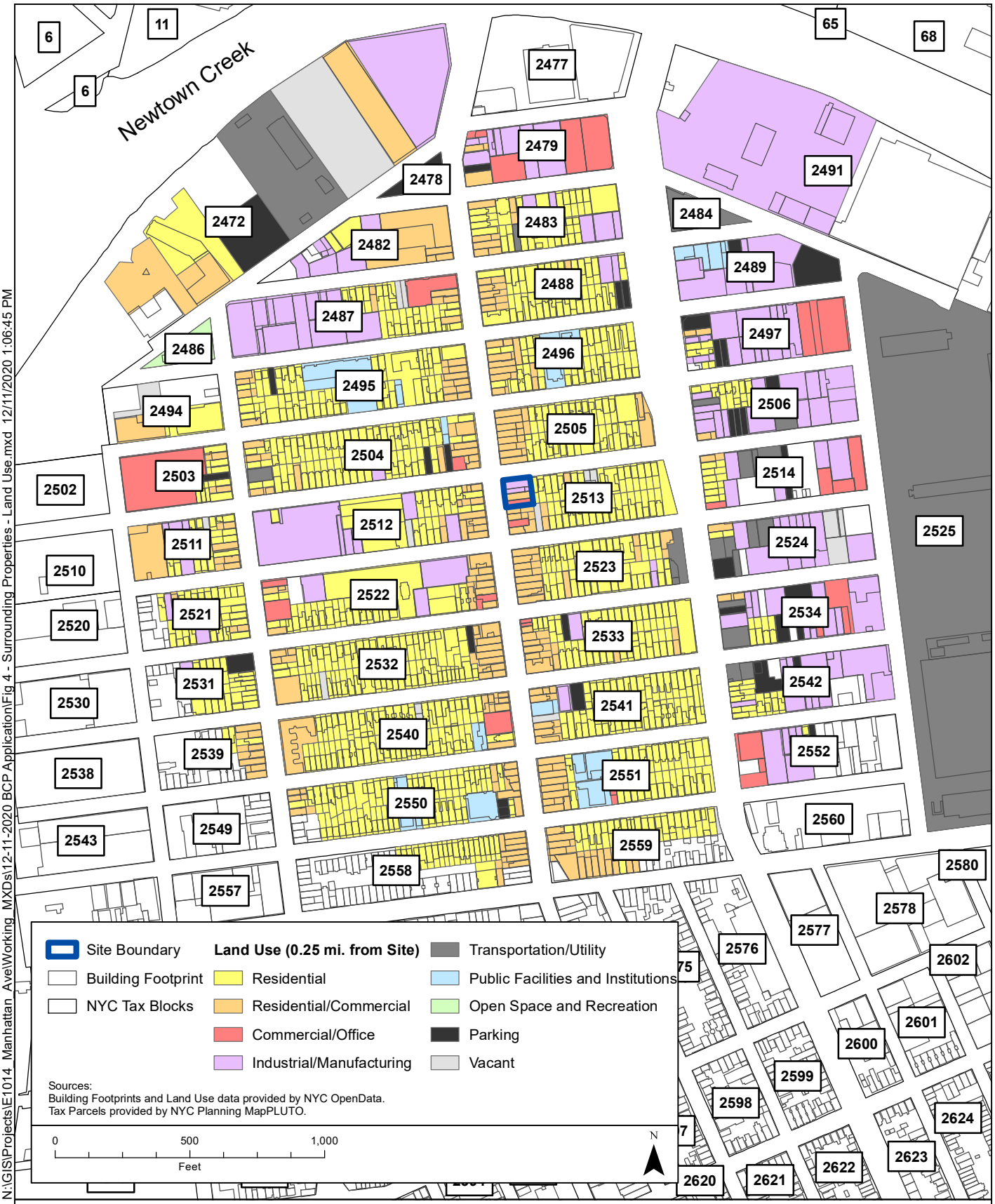
Figure 3.
Tax Map
1036 Manhattan Ave.
Brooklyn, NY 11222



N:\GIS\Projects\E1014_Manhattan_AveWorking_MXDs\12-11-2020 BCP Application\Fig 4 - Surrounding Properties - Land Use.mxd 12/11/2020 1:06:45 PM

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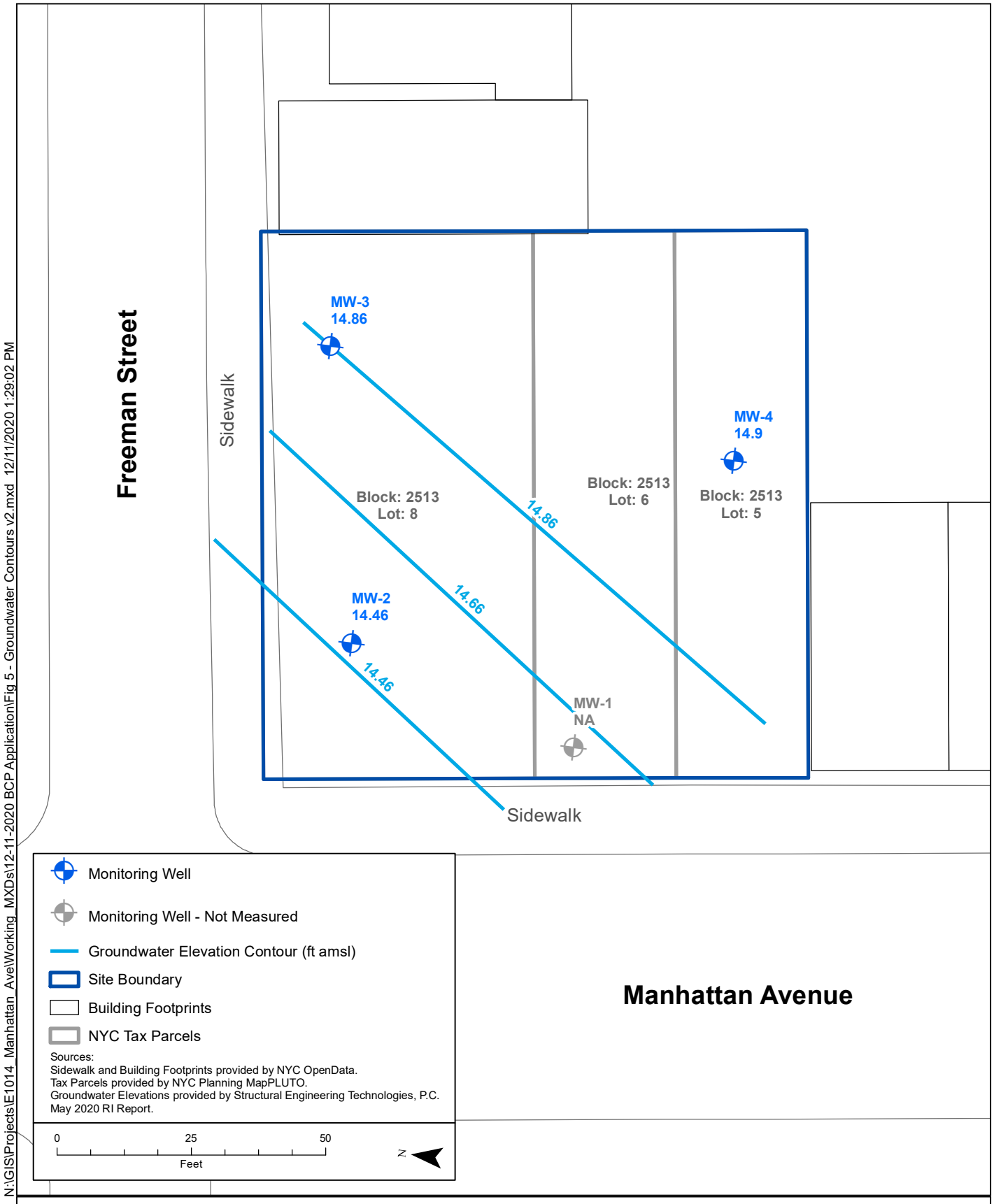
Notes:
1. Displaying land use designations only within 0.25 mile from the Site.
2. Land use designations may not portray current conditions.

Figure 4.
Surrounding Properties - Land Use
1036 Manhattan Ave.
Brooklyn, NY 11222



N:\GIS\Projects\E1014_Manhattan_Ave\Working_MXDs\12-11-2020 BCP Application\Fig 5 - Groundwater Contours v2.mxd 12/11/2020 1:29:02 PM

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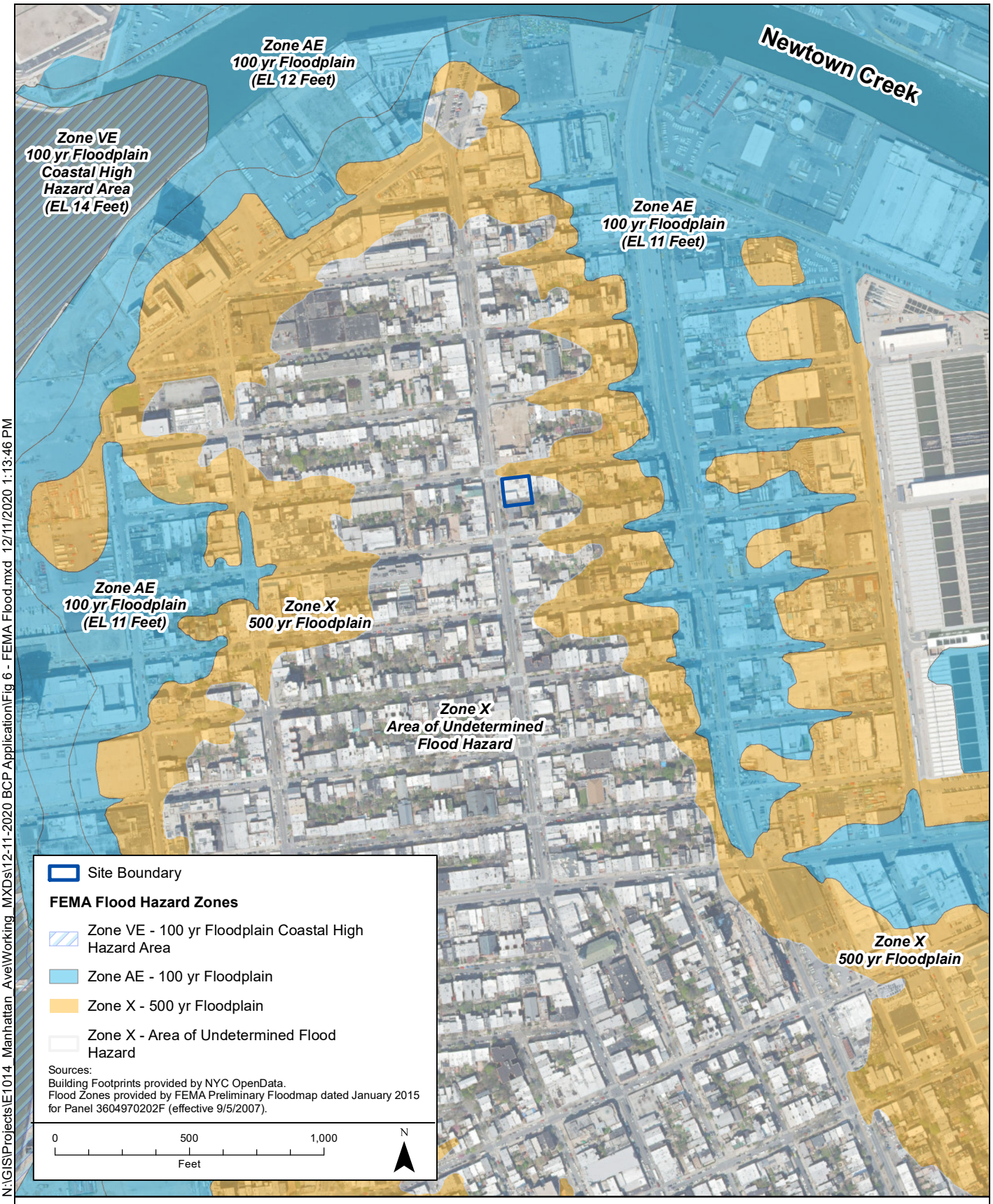
Notes:
Groundwater contours from S.E.T. May 2020 Remedial Investigation Report.

Figure 5.
Groundwater Contours
1036 Manhattan Ave.
Brooklyn, NY 11222



N:\GIS\Projects\E1014_Manhattan_Ave\Working_MXDs\12-11-2020 BCP Application\Fig 6 - FEMA Flood.mxd 12/11/2020 1:13:46 PM

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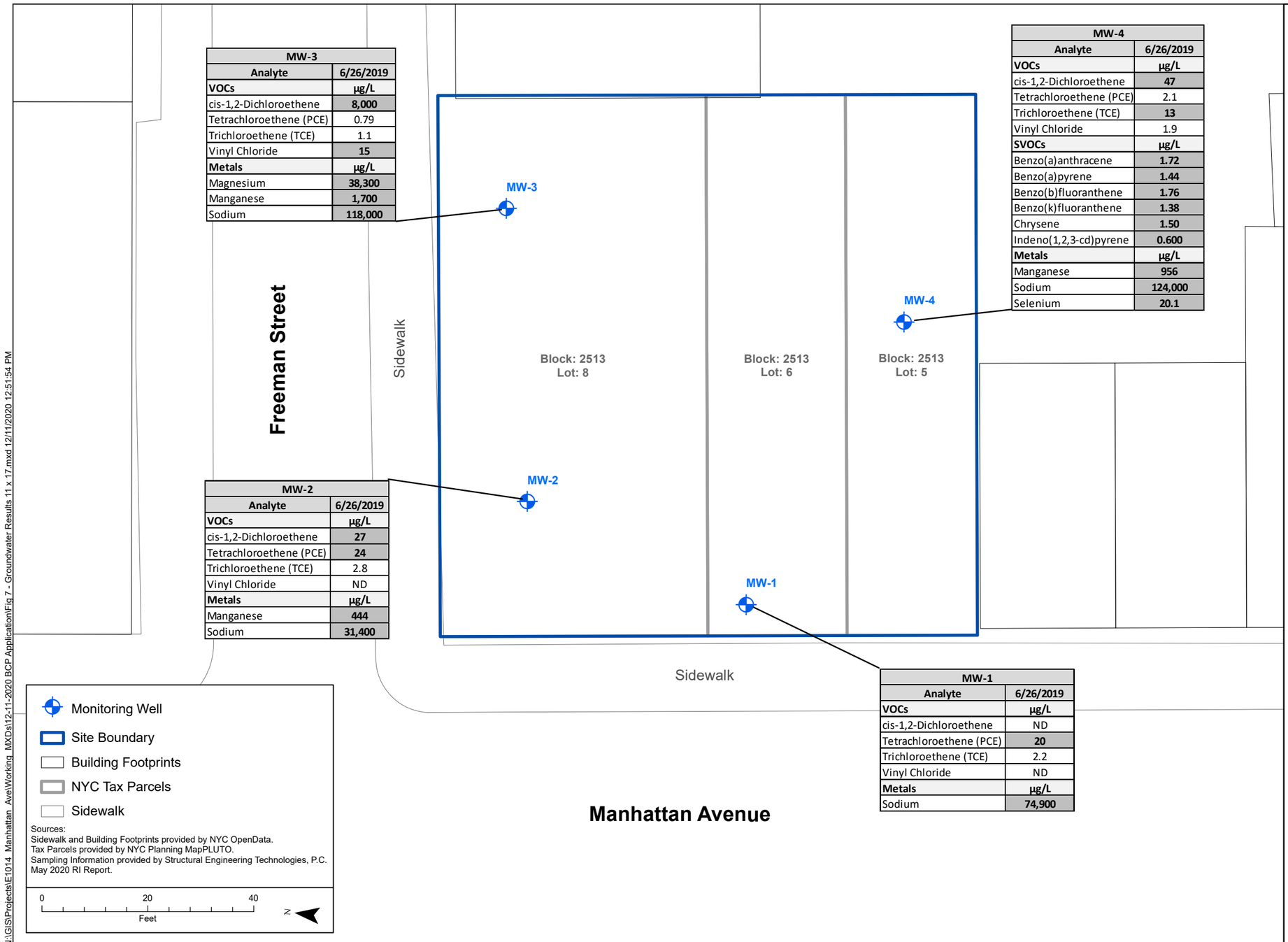
Figure 6.
FEMA Flood Zone Map
1036 Manhattan Ave.
Brooklyn, NY 11222



MW-3	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	**8,000**
Tetrachloroethene (PCE)	0.79
Trichloroethene (TCE)	1.1
Vinyl Chloride	**15**
Metals	**µg/L**
Magnesium	**38,300**
Manganese	**1,700**
Sodium	**118,000**

MW-4	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	**47**
Tetrachloroethene (PCE)	2.1
Trichloroethene (TCE)	**13**
Vinyl Chloride	1.9
SVOCs	**µg/L**
Benzo(a)anthracene	**1.72**
Benzo(a)pyrene	**1.44**
Benzo(b)fluoranthene	**1.76**
Benzo(k)fluoranthene	**1.38**
Chrysene	**1.50**
Indeno(1,2,3-cd)pyrene	**0.600**
Metals	**µg/L**
Manganese	**956**
Sodium	**124,000**
Selenium	**20.1**

MW-2	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	**27**
Tetrachloroethene (PCE)	**24**
Trichloroethene (TCE)	2.8
Vinyl Chloride	ND
Metals	**µg/L**
Manganese	**444**
Sodium	**31,400**

MW-1	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	**20**
Trichloroethene (TCE)	2.2
Vinyl Chloride	ND
Metals	**µg/L**
Sodium	**74,900**

Sample ID	
Analyte	**TOGS AWQS**
VOCs	**µg/L**
cis-1,2-Dichloroethene	5
Tetrachloroethene (PCE)	5
Trichloroethene (TCE)	5
Vinyl Chloride	2
SVOCs	**µg/L**
Benzo(a)anthracene	0.002
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Metals	**µg/L**
Magnesium	35,000
Manganese	300
Sodium	20,000
Selenium	10

Notes:
1. NYSDEC Division of Technical Operational Guidance Series (TOGS) Class GA Ambient Water Quality Standards (AWQS) and Guidance Values.
2. **Bolded** and Shaded indicates concentration exceeds TOGS AWQS.
3. ND = Not Detected.

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Notes:
Groundwater results obtained from S.E.T. May 2020 Remedial Investigation Report.

Figure 7.
Groundwater Sampling Locations and Results
1036 Manhattan Ave.
Brooklyn, NY 11222

N:\GIS\Projects\E1014 Manhattan Ave\Working MXDs\12-11-2020 BCP Application\Fig 7 - Groundwater Results 11 x 17.mxd 12/11/2020 12:51:54 PM

SP-6	6/18/2019	6/18/2019	6/18/2019
Analyte	0 - 2 ft bgs	2 - 4 ft bgs	10 - 12 ft bgs
SVOCs	mg/kg		
Benzo(a)anthracene	*1.52*	*2.43*	0.0623 J
Benzo(a)pyrene	**1.59**	**2.07**	0.0606 J
Benzo(b)fluoranthene	**1.55**	*1.94*	0.0532 J
Benzo(k)fluoranthene	**1.33**	**1.67**	ND
Chrysene	*1.40*	*2.23*	0.0623 J
Dibenzo(a,h)anthracene	0.272	**0.379**	ND
Indeno(1,2,3-cd)pyrene	**1.01**	**1.05**	ND
Metals	mg/kg	mg/kg	mg/kg
Arsenic	*16.4*	6.43	5.29
Copper	**345**	35.8	18.8
Lead	63	327	8.8
Mercury	0.342	*1.1*	0.0753
Zinc	*2,740*	353	45.8

SP-5	6/18/2019	6/18/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals	mg/kg	
Arsenic	2.44	3.41
Copper	21.2	11.6
Lead	6.0	4.90
Mercury	ND	ND
Zinc	54.0	34.1

SP-4	6/14/2019	6/14/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	*20.6*	ND
Benzo(a)pyrene	**19.5**	ND
Benzo(b)fluoranthene	*17.3*	ND
Benzo(k)fluoranthene	*14.7*	ND
Chrysene	*19.1*	ND
Dibenzo(a,h)anthracene	**2.87**	ND
Indeno(1,2,3-cd)pyrene	*10.5*	ND
Metals	mg/kg	
Arsenic	9.78	5.89
Copper	233	**327**
Lead	*734*	214
Mercury	*1.33*	0.595
Zinc	804	116

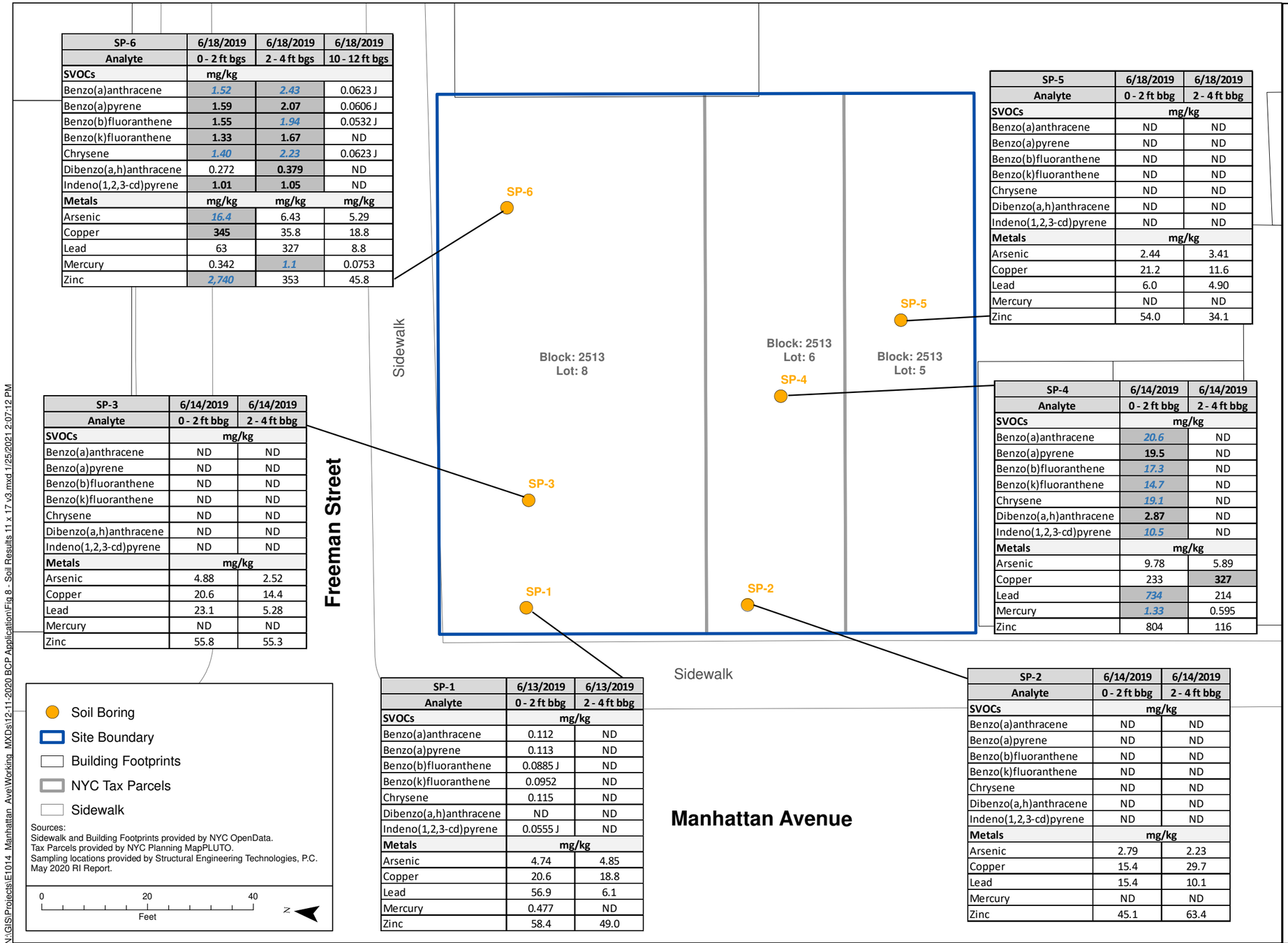
SP-3	6/14/2019	6/14/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals	mg/kg	
Arsenic	4.88	2.52
Copper	20.6	14.4
Lead	23.1	5.28
Mercury	ND	ND
Zinc	55.8	55.3

SP-1	6/13/2019	6/13/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	0.112	ND
Benzo(a)pyrene	0.113	ND
Benzo(b)fluoranthene	0.0885 J	ND
Benzo(k)fluoranthene	0.0952	ND
Chrysene	0.115	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	0.0555 J	ND
Metals	mg/kg	
Arsenic	4.74	4.85
Copper	20.6	18.8
Lead	56.9	6.1
Mercury	0.477	ND
Zinc	58.4	49.0

SP-2	6/14/2019	6/14/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals	mg/kg	
Arsenic	2.79	2.23
Copper	15.4	29.7
Lead	15.4	10.1
Mercury	ND	ND
Zinc	45.1	63.4

Standard Values		
	RRSCO	PGSCO
SVOCs	mg/kg	mg/kg
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Benzo(k)fluoranthene	1	1.7
Chrysene	1	1
Dibenzo(a,h)anthracene	0.33	1,000
Indeno(1,2,3-cd)pyrene	0.5	8.2
Metals	mg/kg	mg/kg
Arsenic	16	16
Copper	270	1,720
Lead	400	450
Mercury	0.81	0.73
Zinc	2,200	2,480

Notes:
1. NYSDEC Restricted Residential Use Soil Cleanup Objective (RRSCO).
2. NYSDEC Protection of Groundwater Soil Cleanup Objective (PGSCO).
3. **Bolded** and Shaded indicates concentration exceeds RRSCO.
4. *Italics* and Blue indicates concentration exceeds PGSCO.
5. J = Estimated Value.
6. ND = Not Detected.
7. ft bbg = feet below basement grade.
8. ft bgs = feet below ground surface.



N:\GIS\Projects\E1014 Manhattan Ave\Working MXDs\12-11-2020 BCP Application\Fig 8 - Soil Results 11 x 17 v3.mxd 1/25/2021 2:07:12 PM

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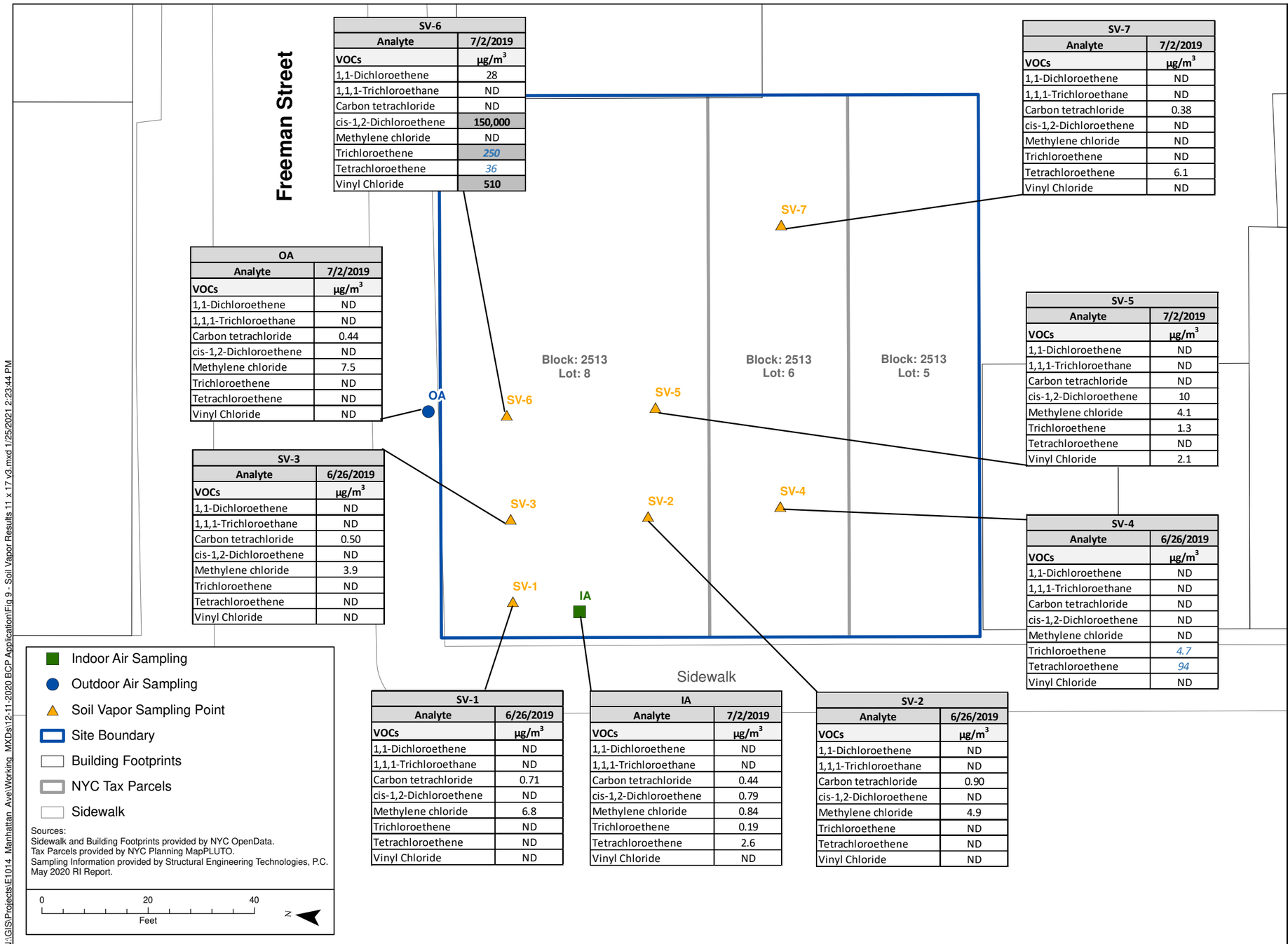
Notes:
Soil results obtained from S.E.T. May 2020
Remedial Investigation Report.

Figure 8.
Soil Sampling Locations and Results
1036 Manhattan Ave.
Brooklyn, NY 11222



SV-6	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	28
1,1,1-Trichloroethane	ND
Carbon tetrachloride	ND
cis-1,2-Dichloroethene	**150,000**
Methylene chloride	ND
Trichloroethene	*250*
Tetrachloroethene	*36*
Vinyl Chloride	**510**

SV-7	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	ND
Methylene chloride	ND
Trichloroethene	ND
Tetrachloroethene	6.1
Vinyl Chloride	ND

OA	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.44
cis-1,2-Dichloroethene	ND
Methylene chloride	7.5
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

SV-5	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	ND
cis-1,2-Dichloroethene	10
Methylene chloride	4.1
Trichloroethene	1.3
Tetrachloroethene	ND
Vinyl Chloride	2.1

SV-3	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.50
cis-1,2-Dichloroethene	ND
Methylene chloride	3.9
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

SV-4	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	ND
cis-1,2-Dichloroethene	ND
Methylene chloride	ND
Trichloroethene	*4.7*
Tetrachloroethene	*94*
Vinyl Chloride	ND

SV-1	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.71
cis-1,2-Dichloroethene	ND
Methylene chloride	6.8
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

IA	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.44
cis-1,2-Dichloroethene	0.79
Methylene chloride	0.84
Trichloroethene	0.19
Tetrachloroethene	2.6
Vinyl Chloride	ND

SV-2	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.90
cis-1,2-Dichloroethene	ND
Methylene chloride	4.9
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

NYSDOH Soil Vapor / Indoor Air Matrices:

Matrix A - *carbon tetrachloride; 1,1-dichloroethene; cis-1,2-dichloroethene; trichloroethene*

	Indoor Air Concentration (µg/m³)		
Sub-slab Vapor Concentration (µg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	No further Action	No Further Action	Identify Source & Resample or MITIGATE
6 to < 60	No further Action	MONITOR	MITIGATE
60 and above	MITIGATE	MITIGATE	MITIGATE

Matrix B - *methylene chloride; tetrachloroethene; 1,1,1-trichloroethane*

	Indoor Air Concentration (µg/m³)		
Sub-slab Vapor Concentration (µg/m³)	< 3	3 to < 10	10 and above
< 100	No further Action	No Further Action	Identify Source & Resample or MITIGATE
100 to < 1,000	No further Action	MONITOR	MITIGATE
1,000 and above	MITIGATE	MITIGATE	MITIGATE

Matrix C - *vinyl chloride*

	Indoor Air Concentration (µg/m³)	
Sub-slab Vapor Concentration (µg/m³)	< 0.2	0.2 and above
< 6	No further Action	Identify Source & Resample or MITIGATE
6 to < 60	MONITOR	MITIGATE
60 and above	MITIGATE	MITIGATE

Air Guideline Values	
VOCs	**µg/m³**
Methylene Chloride	60
Trichloroethene	2
Tetrachloroethene	30

Notes:
1. NYSDOH Soil Vapor / Indoor Air Decision Matricies from May 2017 Update.
2. Matrix A compounds: carbon tetrachloride; 1,1-dichloroethene; cis-1,2-dichloroethene; and trichloroethene.
3. Matrix B compounds: methylene chloride; tetrachloroethene; and 1,1,1-trichloroethane.
4. Matrx C compounds: vinyl chloride.
5. **Bolded** and Shaded indicates exceedance of the monitor/mitigate value of the applicable NYSDOH matrix.
6. *Italics* and Blue indicates concentration exceeded NYSDOH air guidline value, as updated, regardless of whether it is a soil vapor or indoor air sample.
7. ND = Not Detected.

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Notes:
1. Soil vapor and indoor/outdoor air results obtained from S.E.T. May 2020 Remedial Investigation Report.
2. Indoor air data from former Lot 8 buildings have been demolished and do not currently exist.

Figure 9.
Soil Vapor Sampling Locations and Results
1036 Manhattan Ave.
Brooklyn, NY 11222

Attachment to Section I – Requestor Information

- NYS Corporation & Business Entity Database Entry
- Members/Owners of LLC
- Members Consent for Authorized Signatory

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through November 24, 2020.

Selected Entity Name: BK CORNERS LLC

Selected Entity Status Information

Current Entity Name:	BK CORNERS LLC
DOS ID #:	5809716
Initial DOS Filing Date:	AUGUST 11, 2020
County:	ALBANY
Jurisdiction:	NEW YORK
Entity Type:	DOMESTIC 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)

METRO BUSINESS SERVICES
911 CENTRAL AVE. #344
ALBANY, NEW YORK, 12206

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
AUG 11, 2020	Actual	BK CORNERS LLC

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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SECTION I REQUESTOR INFORMATION

If the requestor is an LLC, the members/owners names need to be provided on a separate attachment.

The following are members/owners of the requestor, BK Corners LLC:

- 777 Partners LLC
- Marshall Kesten LLC

BK CORNERS LLC AUTHORIZATION
TO COMPLETE REMEDIAL REQUIREMENTS

The undersigned, being all of the members of BK Corners LLC, a New York limited liability company (the "Company") hereby certify as of December___, 2020, as follows and adopt the following resolutions and authorize the Company to authorize and direct Jenna Goldman (the "Authorized Signatory") to take the following actions on behalf of the Company:

WHEREAS, the Company desires to authorize the Authorized Signatory to undertake actions necessary to redevelop 1032, 1036, and 1038 Manhattan Avenue, Brooklyn, New York 11222; Block 2513, Lots 5, 6, and 8 (the "Property" or the "Site").

WHEREAS, in connection with the redevelopment of the Property, the Company has or will prepare and submit an application to participate in the New York State Brownfield Cleanup Program ("BCP") and, if accepted into the BCP, enter into a Brownfield Cleanup Agreement ("BCA"); file related documents with the New York State Department of Environmental Conservation ("DEC") to participate in the BCP; and undertake certain environmental remediation work related thereto consistent with applicable laws, regulations and guidance under the BCP (collectively referred to as the "Remedial Program Requirements");

NOW THEREFORE, BE IT

RESOLVED, the Authorized Signatory be, and hereby is, authorized and directed, in the name of and on behalf of the Company, to execute and to deliver all applications, documents and instruments required to effectuate the BCA (including execution of the BCA), and make any filings required to comply with the BCA consistent with the Remedial Program Requirements; and be it further;

RESOLVED, that this Authorization may be signed in any number of counterparts, including but not limited to electronic, and shall become effective as of the date herein below written when each person named below shall have signed a copy hereof; and

RESOLVED, The Authorized Signatory is authorized to bind the Company as an Authorized Signatory for the purposes set forth in this Authorization, the signature set forth opposite his name below is his actual signature:

Authorized Signatory	Signature
Jenna Goldman	

IN WITNESS WHEREOF, the undersigned have signed and sealed this Member Consent on December 14, 2020.

MEMBERS:

777 Partners LLC

By: Marshall Kesten

Marshall Kesten LLC

By: Marshall Kesten

Attachment to Section II – Project Description

- Description of Development Project

SECTION II PROJECT DESCRIPTION

Please attach a short description of the overall development project, including:

- *The date the remedial program is to start; and*
- *The date the Certificate of Completion is anticipated.*

The Site is located in the Greenpoint section of Brooklyn and is identified as Block 2513, Lots 5, 6, and 8 (located at 1032, 1036, and 1038 Manhattan Avenue, respectively). The Site is currently vacant in preparation for redevelopment. The proposed future use of the Site will consist of a new, eight-story, mixed-use residential and commercial building with 30% affordable housing. Redevelopment will encompass the entire Site and will include a parking lot on the eastern portion of the Site.

Estimated Project Schedule – The Estimated Project Schedule is as following:

Estimated Schedule	**Task/Goal**
December 2020	Submit Brownfield Cleanup Application
January 2021	Submit revised Brownfield Cleanup Application
March 2021	Sign Brownfield Cleanup Agreement
March 2021	Submit Citizen Participation Plan (CPP)
March 2021	Submission of RIWP
April 2021/May 2021	Approval and Implementation of RIWP
June 2021	Submit RIR, RIR Fact Sheet and RAWP
July 2021	Approval and Implementation of RAWP
2022	FER and SMP
2022	COC Issued

Attachment to Section III – Property's Environmental History

Site Maps

Figure 7: Groundwater Sample Results – SET RIR, 2019
Figure 8: Soil Sample Results – SET RIR, 2019
Figure 9: Soil Vapor Sample Results – SET RIR, 2019

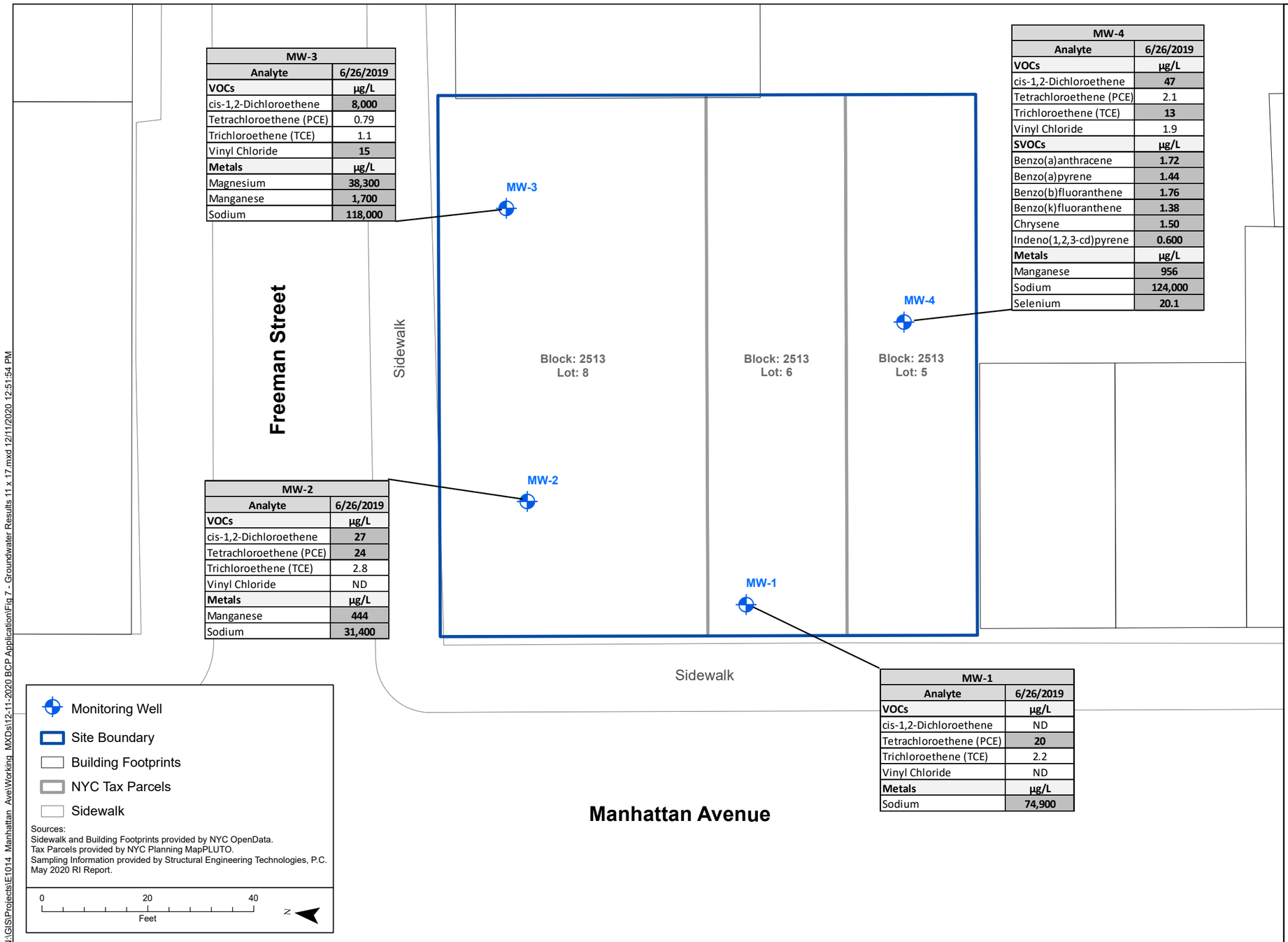
Sampling Data

Table 1(a-d): Soil Analytical Data – SET RIR, 2019
Table 2(a-d): Groundwater Analytical Data – SET RIR, 2019
Table 3: Soil Vapor Analytical Data – SET RIR, 2019

Historic Reports (on CD)

Prepared in accordance with the following: ASTM E-1527; NYCOER E-Designation Program requirements; and R.C.N.Y.§ 43-1407(f).

1. Phase I Environmental Site Assessment (ESA), Structural Engineering Technologies, P.C., May 2019
2. Remedial Investigation Report / Phase II, Structural Engineering Technologies, P.C., August 2019
3. Revised Remedial Investigation Report / Phase II, Structural Engineering Technologies, P.C., May 2020



MW-3	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	**8,000**
Tetrachloroethene (PCE)	0.79
Trichloroethene (TCE)	1.1
Vinyl Chloride	**15**
Metals	**µg/L**
Magnesium	**38,300**
Manganese	**1,700**
Sodium	**118,000**

MW-4	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	**47**
Tetrachloroethene (PCE)	2.1
Trichloroethene (TCE)	**13**
Vinyl Chloride	1.9
SVOCs	**µg/L**
Benzo(a)anthracene	**1.72**
Benzo(a)pyrene	**1.44**
Benzo(b)fluoranthene	**1.76**
Benzo(k)fluoranthene	**1.38**
Chrysene	**1.50**
Indeno(1,2,3-cd)pyrene	**0.600**
Metals	**µg/L**
Manganese	**956**
Sodium	**124,000**
Selenium	**20.1**

MW-2	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	**27**
Tetrachloroethene (PCE)	**24**
Trichloroethene (TCE)	2.8
Vinyl Chloride	ND
Metals	**µg/L**
Manganese	**444**
Sodium	**31,400**

MW-1	
Analyte	**6/26/2019**
VOCs	**µg/L**
cis-1,2-Dichloroethene	ND
Tetrachloroethene (PCE)	**20**
Trichloroethene (TCE)	2.2
Vinyl Chloride	ND
Metals	**µg/L**
Sodium	**74,900**

Sample ID	
Analyte	**TOGS AWQS**
VOCs	**µg/L**
cis-1,2-Dichloroethene	5
Tetrachloroethene (PCE)	5
Trichloroethene (TCE)	5
Vinyl Chloride	2
SVOCs	**µg/L**
Benzo(a)anthracene	0.002
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Metals	**µg/L**
Magnesium	35,000
Manganese	300
Sodium	20,000
Selenium	10

Notes:
1. NYSDEC Division of Technical Operational Guidance Series (TOGS) Class GA Ambient Water Quality Standards (AWQS) and Guidance Values.
2. **Bolded** and Shaded indicates concentration exceeds TOGS AWQS.
3. ND = Not Detected.

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Notes:
Groundwater results obtained from S.E.T. May 2020 Remedial Investigation Report.

Figure 7.
Groundwater Sampling Locations and Results
1036 Manhattan Ave.
Brooklyn, NY 11222

N:\GIS\Projects\E1014 Manhattan Ave\Working MXDs\12-11-2020 BCP Application\Fig 7 - Groundwater Results 11 x 17.mxd 12/11/2020 12:51:54 PM

SP-6	6/18/2019	6/18/2019	6/18/2019
Analyte	0 - 2 ft bgs	2 - 4 ft bgs	10 - 12 ft bgs
SVOCs	mg/kg		
Benzo(a)anthracene	*1.52*	*2.43*	0.0623 J
Benzo(a)pyrene	**1.59**	**2.07**	0.0606 J
Benzo(b)fluoranthene	**1.55**	*1.94*	0.0532 J
Benzo(k)fluoranthene	**1.33**	**1.67**	ND
Chrysene	*1.40*	*2.23*	0.0623 J
Dibenzo(a,h)anthracene	0.272	**0.379**	ND
Indeno(1,2,3-cd)pyrene	**1.01**	**1.05**	ND
Metals	mg/kg	mg/kg	mg/kg
Arsenic	*16.4*	6.43	5.29
Copper	**345**	35.8	18.8
Lead	63	327	8.8
Mercury	0.342	*1.1*	0.0753
Zinc	*2,740*	353	45.8

SP-5	6/18/2019	6/18/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals	mg/kg	
Arsenic	2.44	3.41
Copper	21.2	11.6
Lead	6.0	4.90
Mercury	ND	ND
Zinc	54.0	34.1

SP-4	6/14/2019	6/14/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	*20.6*	ND
Benzo(a)pyrene	**19.5**	ND
Benzo(b)fluoranthene	*17.3*	ND
Benzo(k)fluoranthene	*14.7*	ND
Chrysene	*19.1*	ND
Dibenzo(a,h)anthracene	**2.87**	ND
Indeno(1,2,3-cd)pyrene	*10.5*	ND
Metals	mg/kg	
Arsenic	9.78	5.89
Copper	233	**327**
Lead	*734*	214
Mercury	*1.33*	0.595
Zinc	804	116

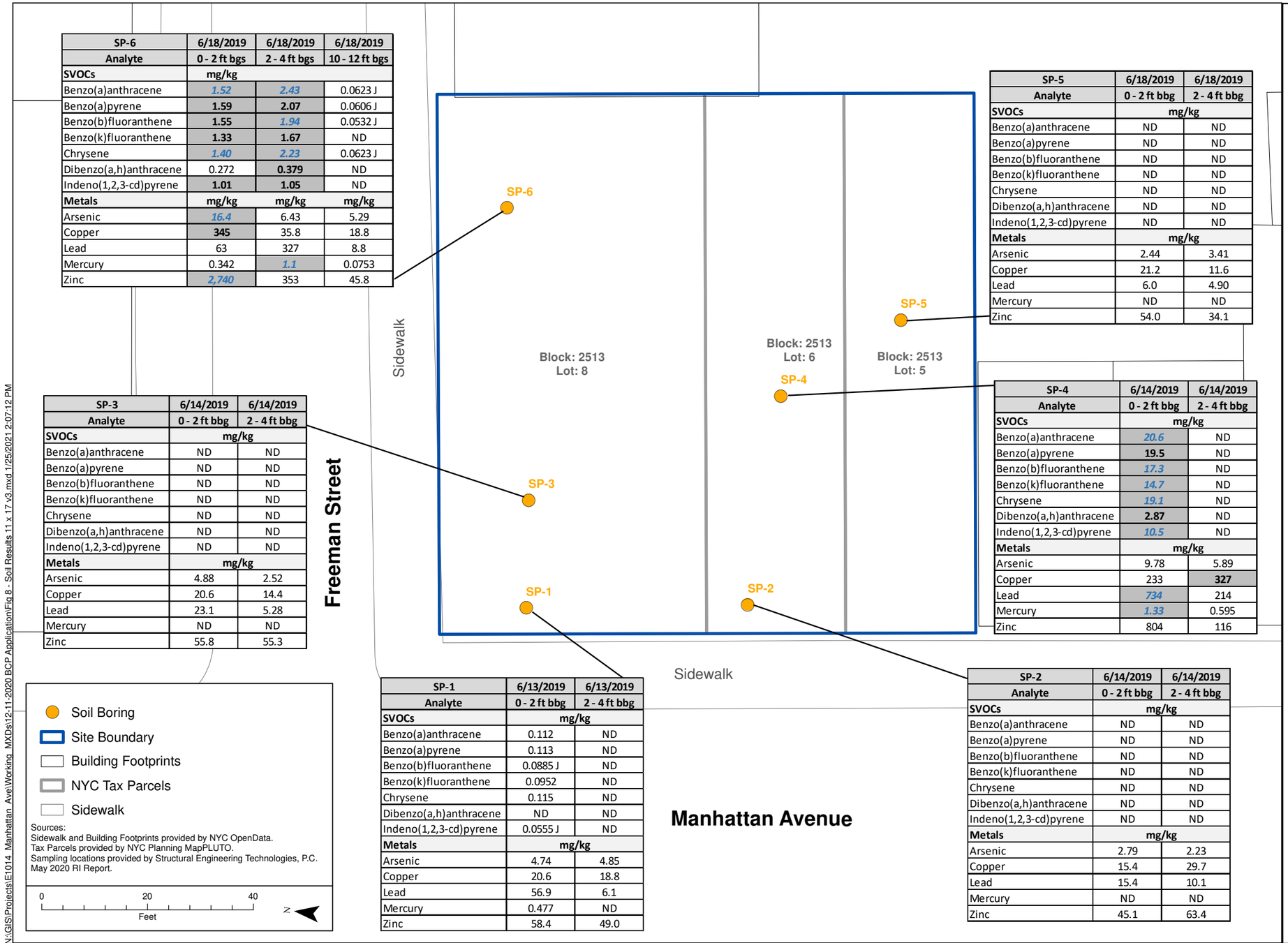
SP-3	6/14/2019	6/14/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals	mg/kg	
Arsenic	4.88	2.52
Copper	20.6	14.4
Lead	23.1	5.28
Mercury	ND	ND
Zinc	55.8	55.3

SP-1	6/13/2019	6/13/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	0.112	ND
Benzo(a)pyrene	0.113	ND
Benzo(b)fluoranthene	0.0885 J	ND
Benzo(k)fluoranthene	0.0952	ND
Chrysene	0.115	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	0.0555 J	ND
Metals	mg/kg	
Arsenic	4.74	4.85
Copper	20.6	18.8
Lead	56.9	6.1
Mercury	0.477	ND
Zinc	58.4	49.0

SP-2	6/14/2019	6/14/2019
Analyte	0 - 2 ft bbg	2 - 4 ft bbg
SVOCs	mg/kg	
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals	mg/kg	
Arsenic	2.79	2.23
Copper	15.4	29.7
Lead	15.4	10.1
Mercury	ND	ND
Zinc	45.1	63.4

Standard Values		
	RRSCO	PGSCO
SVOCs	mg/kg	mg/kg
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Benzo(k)fluoranthene	1	1.7
Chrysene	1	1
Dibenzo(a,h)anthracene	0.33	1,000
Indeno(1,2,3-cd)pyrene	0.5	8.2
Metals	mg/kg	mg/kg
Arsenic	16	16
Copper	270	1,720
Lead	400	450
Mercury	0.81	0.73
Zinc	2,200	2,480

Notes:
1. NYSDEC Restricted Residential Use Soil Cleanup Objective (RRSCO).
2. NYSDEC Protection of Groundwater Soil Cleanup Objective (PGSCO).
3. **Bolded** and Shaded indicates concentration exceeds RRSCO.
4. *Italics* and Blue indicates concentration exceeds PGSCO.
5. J = Estimated Value.
6. ND = Not Detected.
7. ft bbg = feet below basement grade.
8. ft bgs = feet below ground surface.



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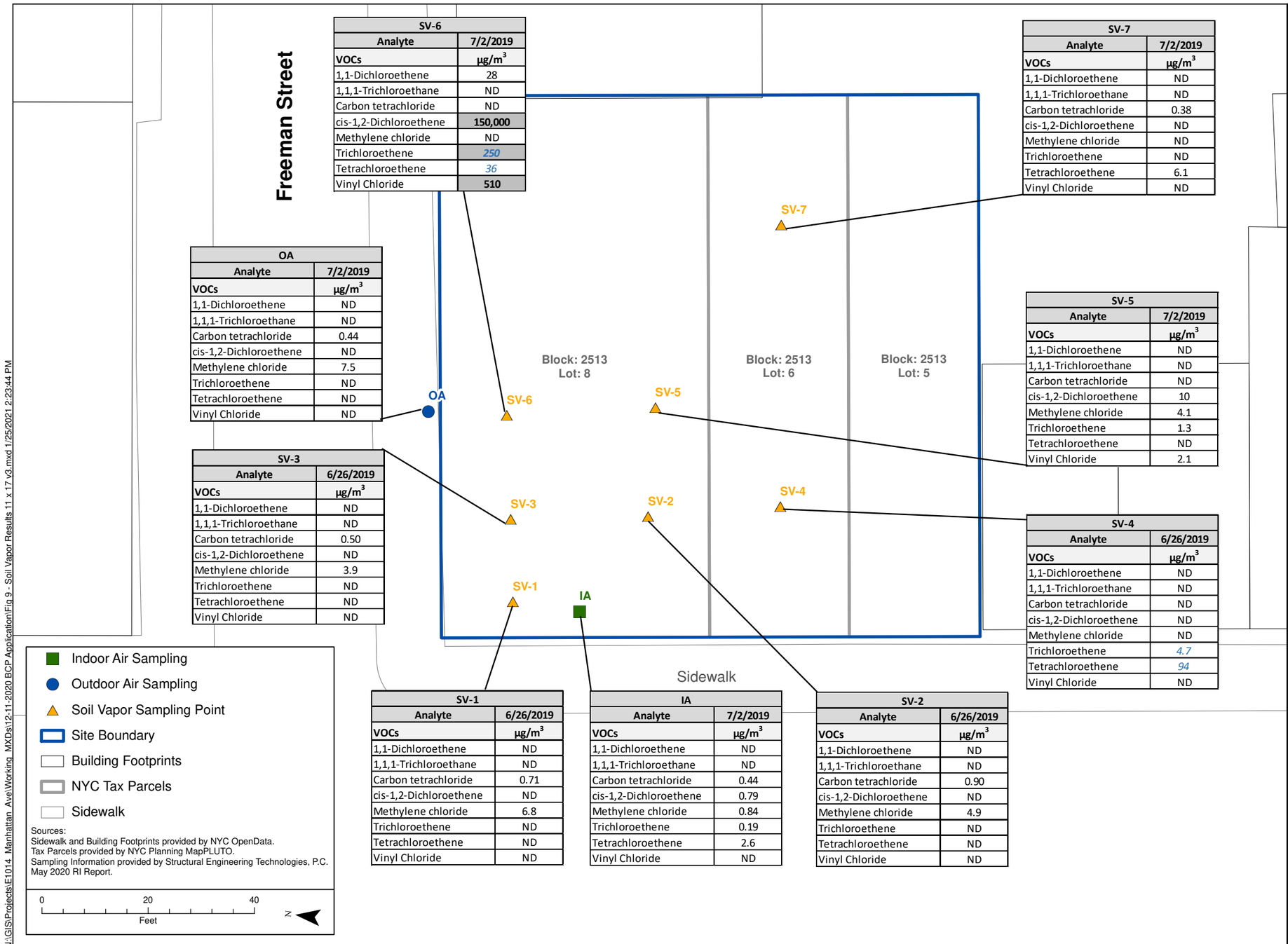
Notes:
Soil results obtained from S.E.T. May 2020
Remedial Investigation Report.

Figure 8.
Soil Sampling Locations and Results
1036 Manhattan Ave.
Brooklyn, NY 11222



SV-6	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	28
1,1,1-Trichloroethane	ND
Carbon tetrachloride	ND
cis-1,2-Dichloroethene	**150,000**
Methylene chloride	ND
Trichloroethene	*250*
Tetrachloroethene	*36*
Vinyl Chloride	**510**

SV-7	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.38
cis-1,2-Dichloroethene	ND
Methylene chloride	ND
Trichloroethene	ND
Tetrachloroethene	6.1
Vinyl Chloride	ND

OA	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.44
cis-1,2-Dichloroethene	ND
Methylene chloride	7.5
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

SV-5	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	ND
cis-1,2-Dichloroethene	10
Methylene chloride	4.1
Trichloroethene	1.3
Tetrachloroethene	ND
Vinyl Chloride	2.1

SV-3	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.50
cis-1,2-Dichloroethene	ND
Methylene chloride	3.9
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

SV-4	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	ND
cis-1,2-Dichloroethene	ND
Methylene chloride	ND
Trichloroethene	*4.7*
Tetrachloroethene	*94*
Vinyl Chloride	ND

SV-1	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.71
cis-1,2-Dichloroethene	ND
Methylene chloride	6.8
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

IA	
Analyte	**7/2/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.44
cis-1,2-Dichloroethene	0.79
Methylene chloride	0.84
Trichloroethene	0.19
Tetrachloroethene	2.6
Vinyl Chloride	ND

SV-2	
Analyte	**6/26/2019**
VOCs	**µg/m³**
1,1-Dichloroethene	ND
1,1,1-Trichloroethane	ND
Carbon tetrachloride	0.90
cis-1,2-Dichloroethene	ND
Methylene chloride	4.9
Trichloroethene	ND
Tetrachloroethene	ND
Vinyl Chloride	ND

NYSDOH Soil Vapor / Indoor Air Matrices:

Matrix A - *carbon tetrachloride; 1,1-dichloroethene; cis-1,2-dichloroethene; trichloroethene*

	Indoor Air Concentration (µg/m³)		
Sub-slab Vapor Concentration (µg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	No further Action	No Further Action	Identify Source & Resample or MITIGATE
6 to < 60	No further Action	MONITOR	MITIGATE
60 and above	MITIGATE	MITIGATE	MITIGATE

Matrix B - *methylene chloride; tetrachloroethene; 1,1,1-trichloroethane*

	Indoor Air Concentration (µg/m³)		
Sub-slab Vapor Concentration (µg/m³)	< 3	3 to < 10	10 and above
< 100	No further Action	No Further Action	Identify Source & Resample or MITIGATE
100 to < 1,000	No further Action	MONITOR	MITIGATE
1,000 and above	MITIGATE	MITIGATE	MITIGATE

Matrix C - *vinyl chloride*

	Indoor Air Concentration (µg/m³)	
Sub-slab Vapor Concentration (µg/m³)	< 0.2	0.2 and above
< 6	No further Action	Identify Source & Resample or MITIGATE
6 to < 60	MONITOR	MITIGATE
60 and above	MITIGATE	MITIGATE

Air Guideline Values	
VOCs	**µg/m³**
Methylene Chloride	60
Trichloroethene	2
Tetrachloroethene	30

Notes:
1. NYSDOH Soil Vapor / Indoor Air Decision Matricies from May 2017 Update.
2. Matrix A compounds: carbon tetrachloride; 1,1-dichloroethene; cis-1,2-dichloroethene; and trichloroethene.
3. Matrix B compounds: methylene chloride; tetrachloroethene; and 1,1,1-trichloroethane.
4. Matrx C compounds: vinyl chloride.
5. **Bolded** and Shaded indicates exceedance of the monitor/mitigate value of the applicable NYSDOH matrix.
6. *Italics* and Blue indicates concentration exceeded NYSDOH air guidline value, as updated, regardless of whether it is a soil vapor or indoor air sample.
7. ND = Not Detected.

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Notes:
1. Soil vapor and indoor/outdoor air results obtained from S.E.T. May 2020 Remedial Investigation Report.
2. Indoor air data from former Lot 8 buildings have been demolished and do not currently exist.

Figure 9.
Soil Vapor Sampling Locations and Results
1036 Manhattan Ave.
Brooklyn, NY 11222

Table 1a: VOC Analytical Data in Soil

Table 4A
Volatile Organic Compounds Detected in Soil
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	SP-1 (0-2)		SP-1 (2-4)		SP-2 (0-2)		SP-2 (2-4)		SP-3 (0-2)		SP-3 (2-4)		SP-4 (0-2)		SP-4 (2-4)		SP-5 (0-2)		SP-5 (2-4)		SP-6 (0-2)		SP-6 (2-4)		SP-6 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Grade	Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Sidewalk Grade		Sidewalk Grade		Sidewalk Grade			
Sampling Date	6/13/2019		6/13/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Results	Q	Results	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
1,1,1,2-Tetrachloroethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,1,1-Trichloroethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.68	100
1,1,2,2-Tetrachloroethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,1,2-Trichloroethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,1-Dichloroethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.27	19
1,1-Dichloroethylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.33	100
1,2,3-Trichlorobenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,2,3-Trichloropropane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,2,4-Trichlorobenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,2,4-Trimethylbenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	3.6	47
1,2-Dibromo-3-chloropropane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,2-Dibromoethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,2-Dichlorobenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	1.1	100
1,2-Dichloroethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.02	2.3
1,2-Dichloropropane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
1,3,5-Trimethylbenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	8.4	47
1,3-Dichlorobenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	2.4	17
1,4-Dichlorobenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	1.8	9.8
1,4-Dioxane	0.0470	U	0.0500	U	0.0560	U	0.0420	U	0.0490	U	0.0450	U	0.0370	U	0.0510	U	0.0630	U	0.0640	U	0.0550	U	0.0570	U	0.0620	U	0.1	9.8
2-Butanone	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.12	100
2-Hexanone	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
4-Methyl-2-pentanone	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Acetone	**0.0170**		**0.0160**		0.00560	U	**0.00570**	J	0.00490	U	**0.0330**		**0.00400**	J	0.00510	U	0.00630	U	**0.0120**	J	0.00550	U	0.00570	U	0.00620	U	0.05	100
Acrolein	0.00470	U	0.00500	U	0.00560	U	0.00420	U	0.00490	U	0.00450	U	0.00370	U	0.00510	U	0.00630	U	0.00640	U	0.00550	U	0.00570	U	0.00620	U	~	~
Acrylonitrile	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Benzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.06	2.9
Bromochloromethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Bromodichloromethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Bromoform	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Bromomethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Carbon disulfide	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Carbon tetrachloride	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.76	1.4
Chlorobenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	1.1	100
Chloroethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Chloroform	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.37	10
Chloromethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
cis-1,2-Dichloroethylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	**0.210**		0.00270	U	0.00280	U	0.00310	U	0.250	59
cis-1,3-Dichloropropylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Cyclohexane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Dibromochloromethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Dibromomethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Dichlorodifluoromethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Ethyl Benzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	1	30
Hexachlorobutadiene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Isopropylbenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Methyl acetate	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Methyl tert-butyl ether (MTBE)	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.93	62
Methylcyclohexane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Methylene chloride	0.00470	U	0.00500	U	0.00560	U	0.00420	U	0.00490	U	0.00450	U	0.00370	U	0.00510	U	**0.00890**	J	**0.0130**		**0.0120**		**0.00930**	J	0.00620	U	0.05	51
n-Butylbenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	12	100
n-Propylbenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	3.9	100
o-Xylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
p- & m- Xylenes	0.00470	U	0.00500	U	0.00560	U	0.00420	U	0.00490	U	0.00450	U	0.00370	U	0.00510	U	0.00630	U	0.00640	U	0.00550	U	0.00570	U	0.00620	U	~	~
p-Isopropyltoluene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
sec-Butylbenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	11	100
Styrene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
tert-Butyl alcohol (TBA)	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
tert-Butylbenzene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	5.9	100
Tetrachloroethylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	**0.0160**		**0.0130**		**0.00930**		0.00320	U	**0.00370**	J	0.00270	U	0.00280	U	0.00310	U	1.3	5.5
Toluene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.7	100
trans-1,2-Dichloroethylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	**0.00330**	J	0.00270	U	0.00280	U	0.00310	U	0.190	100
trans-1,3-Dichloropropylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
trans-1,4-dichloro-2-butene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Trichloroethylene	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.47	10
Trichlorofluoromethane	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	~	~
Vinyl Chloride	0.00240	U	0.00250	U	0.00280	U	0.00210	U	0.00240	U	0.00220	U	0.00190	U	0.00250	U	0.00320	U	0.00320	U	0.00270	U	0.00280	U	0.00310	U	0.02	0.21
Xylenes, Total	0.00710	U	0.00750	U	0.00830	U	0.00620	U	0.00730	U	0.00670	U	0.00560	U	0.00760	U	0.00950	U	0.00950	U	0.00820	U	0.00850	U	0.00930	U	0.26	100

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their UUSCO.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 1b: SVOC Analytical Data in Soil

Table 4B
Semi-Volatile Organic Compounds Detected in Soil
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	SP-1 (0-2)		SP-1 (2-4)		SP-2 (0-2)		SP-2 (2-4)		SP-3 (0-2)		SP-3 (2-4)		SP-4 (0-2)		SP-4 (2-4)		SP-5 (0-2)		SP-5 (2-4)		SP-6 (0-2)		SP-6 (2-4)		SP-6 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Grade	Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Sidewalk Grade		Sidewalk Grade		Sidewalk Grade			
Sampling Date	6/13/2019		6/13/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Results	Q	Results	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
1,1-Biphenyl	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**0.370**	D	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
1,2,4,5-Tetrachlorobenzene	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
1,2,4-Trichlorobenzene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
1,2-Dichlorobenzene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	1.1	100
1,2-Diphenylhydrazine (as Azobenzene)	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
1,3-Dichlorobenzene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	2.4	17
1,4-Dichlorobenzene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	1.8	9.8
2,3,4,6-Tetrachlorophenol	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
2,4,5-Trichlorophenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2,4,6-Trichlorophenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2,4-Dichlorophenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2,4-Dimethylphenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**0.141**	D	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2,4-Dinitrophenol	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
2,4-Dinitrotoluene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2,6-Dinitrotoluene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2-Chloronaphthalene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2-Chlorophenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
2-Methylnaphthalene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	1.310	D	0.0487	U	0.0522	U	0.0525	U	0.0456	U	**0.0841**	JD	0.0514	U	~	~
2-Methylphenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**0.0762**	JD	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	0.33	100
2-Nitroaniline	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
2-Nitrophenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
3- & 4-Methylphenols	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**0.173**	D	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
3,3-Dichlorobenzidine	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
3-Nitroaniline	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
4,6-Dinitro-2-methylphenol	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
4-Bromophenyl phenyl ether	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
4-Chloro-3-methylphenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
4-Chloroaniline	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
4-Chlorophenyl phenyl ether	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
4-Nitroaniline	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
4-Nitrophenol	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
Acenaphthene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**3.290**	D	0.0487	U	0.0522	U	0.0525	U	**0.148**	D	**0.300**	D	0.0514	U	20	100
Acenaphthylene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**1.880**	D	0.0487	U	0.0522	U	0.0525	U	**0.0983**	D	**0.228**	D	0.0514	U	100	100
Acetophenone	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Aniline	0.188	U	0.200	U	0.205	U	0.207	U	0.197	U	0.202	U	0.191	U	0.195	U	0.208	U	0.210	U	0.182	U	0.188	U	0.205	U	~	~
Anthracene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**7.730**	D	0.0487	U	0.0522	U	0.0525	U	**0.446**	D	**0.947**	D	0.0514	U	100	100
Atrazine	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Benzaldehyde	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Benzidine	0.188	U	0.200	U	0.205	U	0.207	U	0.197	U	0.202	U	0.191	U	0.195	U	0.208	U	0.210	U	0.182	U	0.188	U	0.205	U	~	~
Benzo(a)anthracene	0.112	D	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**20.600**	D	0.0487	U	0.0522	U	0.0525	U	**1.520**	D	**2.430**	D	**0.0623**	JD	1	1
Benzo(a)pyrene	0.113	D	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**19.500**	D	0.0487	U	0.0522	U	0.0525	U	**1.590**	D	**2.070**	D	**0.0606**	JD	1	1
Benzo(b)fluoranthene	**0.0885**	JD	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**17.300**	D	0.0487	U	0.0522	U	0.0525	U	**1.550**	D	**1.940**	D	**0.0532**	JD	1	1
Benzo(g,h,i)perylene	**0.0705**	JD	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**10.200**	D	0.0487	U	0.0522	U	0.0525	U	1.050	D	**1.090**	D	0.0514	U	100	100
Benzo(k)fluoranthene	**0.0952**	D	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**14.700**	D	0.0487	U	0.0522	U	0.0525	U	**1.330**	D	**1.670**	D	0.0514	U	0.8	1
Benzoic acid	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Benzyl alcohol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Benzyl butyl phthalate	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Bis(2-chloroethoxy)methane	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Bis(2-chloroethyl)ether	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Bis(2-chloroisopropyl)ether	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Bis(2-ethylhexyl)phthalate	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	**0.0946**	D	0.0471	U	0.0514	U	~	~
Caprolactam	0.0938	U	0.0997	U	0.102	U	0.103	U	0.0986	U	0.101	U	0.0953	U	0.0972	U	0.104	U	0.105	U	0.0911	U	0.0939	U	0.102	U	~	~
Carbazole	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**3.300**	D	0.0487	U	0.0522	U	0.0525	U	**0.235**	D	**0.481**	D	0.0514	U	~	~
Chrysene	**0.115**	D	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**19.100**	D	0.0487	U	0.0522	U	0.0525	U	**1.400**	D	**2.230**	D	**0.0623**	JD	1	1
Dibenzo(a,h)anthracene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**2.870**	D	0.0487	U	0.0522	U	0.0525	U	**0.272**	D	**0.379**	D	0.0514	U	0.33	0.33
Dibenzofuran	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	2.370	D	0.0487	U	0.0522	U	0.0525	U	**0.106**	D	0.215	D	0.0514	U	7	14
Diethyl phthalate	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Dimethyl phthalate	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Di-n-butyl phthalate	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Di-n-octyl phthalate	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Fluoranthene	**0.244**	D	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**45.400**	D	0.0487	U	0.0522	U	0.0525	U	**2.830**	D	**4.960**	D	**0.143**	D	100	100
Fluorene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**3.080**	D	0.0487	U	0.0522	U	0.0525	U	**0.150**	D	0.246	D	0.0514	U	30	100
Hexachlorobenzene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	0.33	0.33
Hexachlorobutadiene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Hexachlorocyclopentadiene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Hexachloroethane	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Indeno(1,2,3-cd)pyrene	**0.0555**	JD	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**10.500**	D	0.0487	U	0.0522	U	0.0525	U	**1.010**	D	**1.050**	D	0.0514	U	0.5	0.5
Isophorone	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Naphthalene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**2.310**	D	0.0487	U	0.0522	U	0.0525	U	**0.0735**	JD	**0.121**	D	0.0514	U	12	100
Nitrobenzene	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
N-Nitrosodimethylamine	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
N-nitroso-di-n-propylamine	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
N-Nitrosodiphenylamine	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	~	~
Pentachlorophenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	0.0478	U	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	0.8	2.4
Phenanthrene	**0.240**	D	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	33.400	DE	0.0487	U	0.0522	U	0.0525	U	**1.970**	D	**2.960**	DE	**0.141**	D	100	100
Phenol	0.0470	U	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	**0.104**	D	0.0487	U	0.0522	U	0.0525	U	0.0456	U	0.0471	U	0.0514	U	0.33	100
Pyrene	**0.231**	D	0.0500	U	0.0513	U	0.0517	U	0.0494	U	0.0507	U	35.100	DE	0.0487	U	0.0522	U	0.0525	U	**2.390**	D	**4.530**	D	**0.124**	D	100	100

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their UUSCO.
Bolded Cells were detected at concentrations greater than their RUSCO.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 1c: Pesticide and PCB Analytical Data in Soil

Table 4C
Pesticides and PCBs Detected in Soil
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	SP-1 (0-2)		SP-1 (2-4)		SP-2 (0-2)		SP-2 (2-4)		SP-3 (0-2)		SP-3 (2-4)		SP-4 (0-2)		SP-4 (2-4)		SP-5 (0-2)		SP-5 (2-4)		SP-6 (0-2)		SP-6 (2-4)		SP-6 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Grade	Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Sidewalk Grade		Sidewalk Grade		Sidewalk Grade			
Sampling Date	6/13/2019		6/13/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Results	Q	Results	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
Pesticides																												
4,4'-DDD	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.0033	2.6
4,4'-DDE	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.0033	1.8
4,4'-DDT	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	**0.0190**	D	0.00203	U	0.0033	1.7
Aldrin	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.005	0.019
alpha-BHC	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.02	0.097
alpha-Chlordane	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.094	0.91
beta-BHC	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.036	0.072
Chlordane, total	0.0372	U	0.0395	U	0.0405	U	0.0406	U	0.0391	U	0.0401	U	0.0381	U	0.0386	U	0.0415	U	0.0418	U	0.0360	U	0.0372	U	0.0406	U	~	~
delta-BHC	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.04	100
Dieldrin	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.005	0.039
Endosulfan I	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	2.4	4.8
Endosulfan II	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	2.4	4.8
Endosulfan sulfate	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	2.4	4.8
Endrin	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.014	2.2
Endrin aldehyde	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	~	~
Endrin ketone	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	~	~
gamma-BHC (Lindane)	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.1	0.28
gamma-Chlordane	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	~	~
Heptachlor	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	0.042	0.42
Heptachlor epoxide	0.00186	U	0.00197	U	0.00202	U	0.00203	U	0.00196	U	0.00201	U	0.00190	U	0.00193	U	0.00207	U	0.00209	U	0.00180	U	0.00186	U	0.00203	U	~	~
Methoxychlor	0.00931	U	0.00986	U	0.0101	U	0.0101	U	0.00979	U	0.0100	U	0.00952	U	0.00964	U	0.0104	U	0.0105	U	0.00901	U	0.00929	U	0.0101	U	~	~
Toxaphene	0.0942	U	0.0998	U	0.102	U	0.103	U	0.0990	U	0.102	U	0.0964	U	0.0976	U	0.105	U	0.106	U	0.0912	U	0.0941	U	0.103	U	~	~
PCBS																												
Aroclor 1016	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	~	~
Aroclor 1221	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	~	~
Aroclor 1232	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	~	~
Aroclor 1242	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	~	~
Aroclor 1248	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	~	~
Aroclor 1254	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	~	~
Aroclor 1260	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	~	~
Total PCBs	0.0188	U	0.0199	U	0.0204	U	0.0205	U	0.0198	U	0.0203	U	0.0192	U	0.0195	U	0.0209	U	0.0211	U	0.0182	U	0.0188	U	0.0205	U	0.1	1

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their UUSCO.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 1d: Inorganic Analytical Data in Soil

Table 4D
Inorganic Compounds Detected in Soil
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	SP-1 (0-2)		SP-1 (2-4)		SP-2 (0-2)		SP-2 (2-4)		SP-3 (0-2)		SP-3 (2-4)		SP-4 (0-2)		SP-4 (2-4)		SP-5 (0-2)		SP-5 (2-4)		SP-6 (0-2)		SP-6 (2-4)		SP-6 (10-12)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Grade	Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Basement		Sidewalk Grade		Sidewalk Grade		Sidewalk Grade			
Sampling Date	6/13/2019		6/13/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/14/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019		6/18/2019			
Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Unit	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg			
Compound	Results	Q	Results	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
Aluminum	**12,000**		**7,430**		**10,700**		**8,620**		**11,000**		**10,400**		**8,820**		**10,200**		**10,900**		7,520		10,200		6,160		11,900		~	~
Antimony	2.850	U	3.020	U	3.090	U	3.110	U	2.980	U	3.050	U	2.900	U	2.930	U	3.150	U	3.180	U	2.750	U	2.830	U	3.100	U	~	~
Arsenic	**4.740**		**4.850**		**2.790**		**2.230**		**4.880**		**2.520**		**9.780**		**5.890**		**2.440**		3.410		**16.400**		6.430		5.290		13	16
Barium	**97.100**		**45.300**		**41.700**		**24.800**		**53.300**		**54.300**		**320**		**110**		**75.400**		46.200		208		173		84.200		350	350
Beryllium	0.136	B	0.293	B	0.291	B	0.400	B	0.428	B	0.239	B	0.349	B	0.177	B	0.440	B	0.308	B	2.440	B	0.0570	U	0.819	B	7.2	14
Cadmium	**0.464**		0.362	U	0.370	U	0.374	U	0.367		0.366	U	**1.030**		0.352	U	**0.424**		0.382	U	0.615		0.340	U	0.372	U	2.5	2.5
Calcium	**57,500**		**1,140**		**9,080**		**1,050**		**1,570**		**1,960**		**2,720**		**2,110**		**1,440**		1,360		36,300		12,200		1,730		~	~
Chromium	**17.500**		**11.300**		**17.600**		**14.100**		**19.700**		**19.700**		**24.400**		**24.700**		**17.800**		14.200		48.800		16.800		22.900		~	~
Cobalt	**6.490**		**11.900**		**6.420**		**6.890**		**8.740**		**5.380**		**8.840**		**10.200**		**5.860**		3.720		20.900		7.400		8.070		~	~
Copper	**20.600**		**18.800**		**15.400**		**29.700**		**20.600**		**14.400**		**233**		**327**		**21.200**		11.600		**345**		35.800		18.800		50	270
Iron	**13,800**		**20,000**		**18,700**		**18,000**		**24,500**		**18,100**		**31,700**		**22,100**		**51,600**		35,600		26,000		13,900		36,300		~	~
Lead	**56.900**		**6.110**		**15.400**		**10.100**		**23.100**		**5.280**		**734**		**214**		**6.040**		4.900		**63**		**327**		8.800		63	400
Magnesium	**6,450**		**2,440**		**3,320**		**3,360**		**3,080**		**3,220**		**1,980**		**2,560**		**2,760**		2,360		8,030		3,190		2,310		~	~
Manganese	**443**		**823**		**285**		**158**		**957**		**106**		**689**		**223**		**414**		153		301		288		457		1600	2000
Nickel	**12.800**		**17.900**		**16.100**		**20**		**21.300**		**15.600**		**16.200**		**17.600**		**16.300**		11		**44.400**		12.500		18.400		30	140
Potassium	**1,260**		**921**		**864**		**908**		**873**		**1,060**		**769**		**1,390**		**1,220**		722		1,720		916		783		~	~
Selenium	2.850	U	3.020	U	3.090	U	3.110	U	2.980	U	3.050	U	2.900	U	2.930	U	3.150	U	3.180	U	2.750	U	2.830	U	3.100	U	3.9	36
Silver	0.570	U	0.604	U	0.617	U	0.623	U	0.597	U	0.610	U	0.579	U	0.586	U	0.630	U	0.636	U	0.550	U	0.567	U	0.621	U	2	36
Sodium	**391**		**106**		**136**		**126**		**108**		**77.100**		**118**		**137**		**799**		433		1,010		158		100		~	~
Thallium	2.850	U	3.020	U	3.090	U	3.110	U	2.980	U	3.050	U	2.900	U	2.930	U	3.150	U	3.180	U	2.750	U	2.830	U	3.100	U	~	~
Vanadium	**18.400**		**18**		**18.300**		**17.300**		**23.400**		**17.500**		**31.400**		31.400		**15.200**		14.700		27.800		19.900		20.400		~	~
Zinc	**58.400**		**49**		**45.100**		**63.400**		**55.800**		**52.300**		**804**		**116**		**54**		34.100		**2,740**		**353**		45.800		109	2200
Mercury	**0.477**		0.0362	U	0.0370	U	0.0374	U	0.0358	U	0.0366	U	**1.330**		**0.595**		0.0378	U	0.0382	U	**0.342**		**1.100**		0.0753		0.18	0.81

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their UUSCO.
Bolded Cells were detected at concentrations greater than their RUSCO.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 2a: VOC Analytical Data in Groundwater

Table 5A
Volatile Organic Compounds Detected in Groundwater
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	MW-1		MW-2		MW-3		MW-4		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	6/26/2019		6/26/2019		6/26/2019		6/26/2019		
Matrix	Water		Water		Water		Water		
Unit	ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	
1,1,1,2-Tetrachloroethane	0.200	U	0.200	U	0.200	U	0.200	U	5
1,1,1-Trichloroethane	0.200	U	0.200	U	0.200	U	0.200	U	5
1,1,2,2-Tetrachloroethane	0.200	U	0.200	U	0.200	U	0.200	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.200	U	0.200	U	0.200	U	0.200	U	5
1,1,2-Trichloroethane	0.200	U	0.200	U	0.200	U	0.200	U	1
1,1-Dichloroethane	0.200	U	0.200	U	0.200	U	0.200	U	5
1,1-Dichloroethylene	0.200	U	0.200	U	**4.700**		0.200	U	5
1,1-Dichloropropylene	0.200	U	0.200	U	0.200	U	0.200	U	5
1,2,3-Trichlorobenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
1,2,3-Trichloropropane	0.200	U	0.200	U	0.200	U	0.200	U	0.04
1,2,4,5-Tetramethylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	~
1,2,4-Trichlorobenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
1,2,4-Trimethylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
1,2-Dibromo-3-chloropropane	0.200	U	0.200	U	0.200	U	0.200	U	0.04
1,2-Dibromoethane	0.200	U	0.200	U	0.200	U	0.200	U	0.0006
1,2-Dichlorobenzene	0.200	U	0.200	U	0.200	U	0.200	U	3
1,2-Dichloroethane	0.200	U	0.200	U	0.200	U	0.200	U	0.6
1,2-Dichloropropane	0.200	U	0.200	U	0.200	U	0.200	U	1
1,3,5-Trimethylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
1,3-Dichlorobenzene	0.200	U	0.200	U	0.200	U	0.200	U	3
1,3-Dichloropropane	0.200	U	0.200	U	0.200	U	0.200	U	5
1,4-Dichlorobenzene	0.200	U	0.200	U	0.200	U	0.200	U	3
2,2-Dichloropropane	0.200	U	0.200	U	0.200	U	0.200	U	5
2-Butanone	0.200	U	0.200	U	0.200	U	0.200	U	50
2-Chlorotoluene	0.200	U	0.200	U	0.200	U	0.200	U	5
2-Hexanone	0.200	U	0.200	U	0.200	U	0.200	U	50
4-Chlorotoluene	0.200	U	0.200	U	0.200	U	0.200	U	5
4-Methyl-2-pentanone	0.200	U	0.200	U	0.200	U	0.200	U	~
Acetone	1	U	1	U	**16**		**6.900**		50
Benzene	0.200	U	0.200	U	**0.210**	J	0.200	U	1
Bromobenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
Bromochloromethane	0.200	U	0.200	U	0.200	U	0.200	U	5
Bromodichloromethane	0.200	U	0.200	U	0.200	U	0.200	U	50
Bromoform	0.200	U	0.200	U	0.200	U	0.200	U	50
Bromomethane	0.200	U	0.200	U	0.200	U	0.200	U	5
Carbon disulfide	**0.230**	J	**0.370**	J	**0.430**	J	**0.200**	J	~
Carbon tetrachloride	0.200	U	0.200	U	0.200	U	0.200	U	5
Chlorobenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
Chloroethane	0.200	U	0.200	U	0.200	U	0.200	U	5
Chloroform	0.200	U	**1.500**		0.200	U	0.200	U	7
Chloromethane	0.200	U	0.200	U	0.200	U	0.200	U	5
cis-1,2-Dichloroethylene	0.200	U	**27**		**8,000**	D	**47**		5
cis-1,3-Dichloropropylene	0.200	U	0.200	U	0.200	U	0.200	U	0.4
Dibromochloromethane	0.200	U	0.200	U	0.200	U	0.200	U	50
Dibromomethane	0.200	U	0.200	U	0.200	U	0.200	U	~
Dichlorodifluoromethane	0.200	U	0.200	U	0.200	U	0.200	U	5
Ethyl Benzene	0.200	U	0.200	U	0.200	U	0.200	U	5
Hexachlorobutadiene	0.200	U	0.200	U	0.200	U	0.200	U	0.5
Isopropylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
Methyl tert-butyl ether (MTBE)	0.200	U	0.200	U	0.200	U	0.200	U	10
Methylene chloride	1	U	1	U	1	U	1	U	5
Naphthalene	1	U	**2.400**	B	**1.700**	JB	**1.600**	JB	10
n-Butylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
n-Propylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
o-Xylene	0.200	U	0.200	U	**0.310**	J	0.200	U	5
p- & m- Xylenes	0.500	U	0.500	U	0.500	U	0.500	U	5
p-Diethylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	~
p-Ethyltoluene	0.200	U	0.200	U	0.200	U	0.200	U	~
p-Isopropyltoluene	0.200	U	0.200	U	0.200	U	0.200	U	5
sec-Butylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
Styrene	0.200	U	0.200	U	0.200	U	0.200	U	5
tert-Butylbenzene	0.200	U	0.200	U	0.200	U	0.200	U	5
Tetrachloroethylene	**20**		**24**		**0.790**		**2.100**		5
Toluene	0.200	U	0.200	U	**0.640**		0.200	U	5
trans-1,2-Dichloroethylene	0.200	U	1.600		**2.800**		**0.980**		5
trans-1,3-Dichloropropylene	0.200	U	0.200	U	0.200	U	0.200	U	0.4
Trichloroethylene	**2.200**		**2.800**		**1.100**		**13**		5
Trichlorofluoromethane	0.200	U	0.200	U	0.200	U	0.200	U	5
Vinyl Chloride	0.200	U	0.200	U	**15**		**1.900**		2
Xylenes, Total	0.600	U	0.600	U	0.600	U	0.600	U	5

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their repective GQS.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 2b: SVOC Analytical Data in Groundwater

Table 5B
Semi-Volatile Organic Compounds Detected in Groundwater
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	MW-1		MW-2		MW-3		MW-4		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	6/26/2019		6/26/2019		6/26/2019		6/26/2019		
Matrix	Water		Water		Water		Water		
Unit	ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	
1,2,4-Trichlorobenzene	2.860	U	2.780	U	3.120	U	5	U	5
1,2-Dichlorobenzene	2.860	U	2.780	U	3.120	U	5	U	3
1,3-Dichlorobenzene	2.860	U	2.780	U	3.120	U	5	U	3
1,4-Dichlorobenzene	2.860	U	2.780	U	3.120	U	5	U	3
2,4,5-Trichlorophenol	2.860	U	2.780	U	3.120	U	5	U	1
2,4,6-Trichlorophenol	2.860	U	2.780	U	3.120	U	5	U	1
2,4-Dichlorophenol	2.860	U	2.780	U	3.120	U	5	U	5
2,4-Dimethylphenol	2.860	U	2.780	U	3.120	U	5	U	50
2,4-Dinitrophenol	2.860	U	2.780	U	3.120	U	5	U	10
2,4-Dinitrotoluene	2.860	U	2.780	U	3.120	U	5	U	5
2,6-Dinitrotoluene	2.860	U	2.780	U	3.120	U	5	U	5
2-Chloronaphthalene	2.860	U	2.780	U	3.120	U	5	U	10
2-Chlorophenol	2.860	U	2.780	U	3.120	U	5	U	1
2-Methylnaphthalene	2.860	U	2.780	U	3.120	U	5	U	~
2-Methylphenol	2.860	U	2.780	U	3.120	U	5	U	1
2-Nitroaniline	2.860	U	2.780	U	3.120	U	5	U	5
2-Nitrophenol	2.860	U	2.780	U	3.120	U	5	U	1
3- & 4-Methylphenols	2.860	U	2.780	U	3.120	U	5	U	~
3,3-Dichlorobenzidine	2.860	U	2.780	U	3.120	U	5	U	5
3-Nitroaniline	2.860	U	2.780	U	3.120	U	5	U	5
4,6-Dinitro-2-methylphenol	2.860	U	2.780	U	3.120	U	5	U	~
4-Bromophenyl phenyl ether	2.860	U	2.780	U	3.120	U	5	U	~
4-Chloro-3-methylphenol	2.860	U	2.780	U	3.120	U	5	U	1
4-Chloroaniline	2.860	U	2.780	U	3.120	U	5	U	5
4-Chlorophenyl phenyl ether	2.860	U	2.780	U	3.120	U	5	U	~
4-Nitroaniline	2.860	U	2.780	U	3.120	U	5	U	5
4-Nitrophenol	2.860	U	2.780	U	3.120	U	5	U	1
Acenaphthene	0.0571	U	0.0556	U	0.0625	U	0.100	U	20
Acenaphthylene	0.0571	U	0.0556	U	0.0625	U	**0.100**	J	~
Aniline	2.860	U	2.780	U	3.120	U	5	U	5
Anthracene	0.0571	U	0.0556	U	0.0625	U	0.300		50
Benzo(a)anthracene	0.0571	U	0.0556	U	0.0625	U	**1.720**		0.002
Benzo(a)pyrene	0.0571	U	0.0556	U	0.0625	U	**1.440**		0.002
Benzo(b)fluoranthene	0.0571	U	0.0556	U	0.0625	U	**1.760**		0.002
Benzo(g,h,i)perylene	0.0571	U	0.0556	U	0.0625	U	**0.680**		~
Benzo(k)fluoranthene	0.0571	U	0.0556	U	0.0625	U	**1.380**		0.002
Benzyl alcohol	2.860	U	2.780	U	3.120	U	5	U	~
Benzyl butyl phthalate	2.860	U	2.780	U	3.120	U	5	U	50
Bis(2-chloroethoxy)methane	2.860	U	2.780	U	3.120	U	5	U	5
Bis(2-chloroethyl)ether	2.860	U	2.780	U	3.120	U	5	U	1
Bis(2-chloroisopropyl)ether	2.860	U	2.780	U	3.120	U	5	U	5
Bis(2-ethylhexyl)phthalate	**0.823**		**3.490**		**0.788**		**1.160**		5
Chrysene	0.0571	U	0.0556	U	0.0625	U	**1.500**		0.002
Dibenzo(a,h)anthracene	0.0571	U	0.0556	U	0.0625	U	**0.220**		~
Dibenzofuran	2.860	U	2.780	U	3.120	U	5	U	~
Diethyl phthalate	2.860	U	2.780	U	3.120	U	5	U	50
Dimethyl phthalate	2.860	U	2.780	U	3.120	U	5	U	50
Di-n-butyl phthalate	2.860	U	2.780	U	3.120	U	5	U	50
Di-n-octyl phthalate	2.860	U	2.780	U	3.120	U	5	U	50
Fluoranthene	0.0571	U	0.0556	U	0.0625	U	**3.360**		50
Fluorene	0.0571	U	0.0556	U	0.0625	U	0.100	U	50
Hexachlorobenzene	0.0229	U	0.0222	U	0.0250	U	0.0400	U	0.04
Hexachlorobutadiene	0.571	U	0.556	U	0.625	U	**1**	U	0.5
Hexachlorocyclopentadiene	2.860	U	2.780	U	3.120	U	5	U	5
Hexachloroethane	0.571	U	0.556	U	0.625	U	1	U	5
Indeno(1,2,3-cd)pyrene	0.0571	U	0.0556	U	0.0625	U	**0.600**		0.002
Isophorone	2.860	U	2.780	U	3.120	U	5	U	50
Naphthalene	0.0571	U	0.0556	U	0.0625	U	0.140	B	10
Nitrobenzene	0.286	U	0.278	U	0.312	U	0.500	U	0.4
N-Nitrosodimethylamine	0.571	U	0.556	U	0.625	U	1	U	~
N-nitroso-di-n-propylamine	2.860	U	2.780	U	3.120	U	5	U	~
N-Nitrosodiphenylamine	2.860	U	2.780	U	3.120	U	5	U	50
Pentachlorophenol	0.286	U	0.278	U	0.312	U	0.500	U	1
Phenanthrene	0.0571	U	0.0556	U	0.0625	U	**1.300**		50
Phenol	2.860	U	2.780	U	3.120	U	5	U	1
Pyrene	0.0571	U	0.0556	U	0.0625	U	**3.520**		50
Pyridine	2.860	U	2.780	U	3.120	U	5	U	50

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations exceeding their respective GQS.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 2c: Pesticide and PCB Analytical Data in Groundwater

Table 5C
Pesticides and PCBs Detected in Groundwater
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	MW-1		MW-2		MW-3		MW-4		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	6/26/2019		6/26/2019		6/26/2019		6/26/2019		
Matrix	Water		Water		Water		Water		
Unit	ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	
4,4'-DDD	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.3
4,4'-DDE	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.2
4,4'-DDT	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.2
Aldrin	0.00485	U	0.00485	U	0.00727	U	0.00500	U	~
alpha-BHC	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.01
alpha-Chlordane	0.00485	U	0.00485	U	0.00727	U	0.00500	U	~
beta-BHC	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.04
Chlordane, total	0.0242	U	0.0242	U	0.0364	U	0.0250	U	0.05
delta-BHC	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.04
Dieldrin	0.00242	U	0.00242	U	0.00364	U	0.00250	U	0.004
Endosulfan I	0.00485	U	0.00485	U	0.00727	U	0.00500	U	~
Endosulfan II	0.00485	U	0.00485	U	0.00727	U	0.00500	U	~
Endosulfan sulfate	0.00485	U	0.00485	U	0.00727	U	0.00500	U	~
Endrin	0.00485	U	0.00485	U	0.00727	U	0.00500	U	~
Endrin aldehyde	0.0121	U	0.0121	U	0.0182	U	0.0125	U	5
Endrin ketone	0.0121	U	0.0121	U	0.0182	U	0.0125	U	5
gamma-BHC (Lindane)	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.05
gamma-Chlordane	0.0121	U	0.0121	U	0.0182	U	0.0125	U	~
Heptachlor	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.04
Heptachlor epoxide	0.00485	U	0.00485	U	0.00727	U	0.00500	U	0.03
Methoxychlor	0.00485	U	0.00485	U	0.00727	U	0.00500	U	35
Toxaphene	0.121	U	0.121	U	0.182	U	0.125	U	0.06
PCBS									
Aroclor 1016	0.0606	U	0.0606	U	0.0909	U	0.0625	U	~
Aroclor 1221	0.0606	U	0.0606	U	0.0909	U	0.0625	U	~
Aroclor 1232	0.0606	U	0.0606	U	0.0909	U	0.0625	U	~
Aroclor 1242	0.0606	U	0.0606	U	0.0909	U	0.0625	U	~
Aroclor 1248	0.0606	U	0.0606	U	0.0909	U	0.0625	U	~
Aroclor 1254	0.0606	U	0.0606	U	0.0909	U	0.0625	U	~
Aroclor 1260	0.0606	U	0.0606	U	0.0909	U	0.0625	U	~
Total PCBs	0.0606	U	0.0606	U	0.0909	U	0.0625	U	0.09

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their GQS.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 2d: Inorganic Analytical Data in Groundwater

Table 5D
Inorganic Compounds Detected in Groundwater
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	MW-1		MW-2		MW-3		MW-4		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	6/26/2019		6/26/2019		6/26/2019		6/26/2019		
Matrix	Water		Water		Water		Water		
Unit	ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	
Aluminum	**69.500**		**123**		**71.400**		**65.400**		~
Barium	**56.400**		**70**		**189**		**90.500**		1000
Calcium	**53,200**		**76,800**		**107,000**		**143,000**		~
Chromium	5.560	U	5.560	U	5.560	U	5.560	U	50
Cobalt	4.440	U	4.440	U	4.440	U	4.440	U	~
Copper	22.200	U	22.200	U	22.200	U	22.200	U	200
Iron	278	U	278	U	**315**		278	U	~
Lead	5.560	U	5.560	U	5.560	U	5.560	U	25
Magnesium	**7,910**		**14,800**		**38,300**		**26,600**		35000
Manganese	**140**		**444**		**1,700**		**956**		300
Nickel	11.100	U	11.100	U	11.100	U	11.100	U	100
Potassium	9,960		6,610		**5,600**		52,600		~
Silver	5.560	U	5.560	U	5.560	U	5.560	U	50
Sodium	**74,900**		**31,400**		**118,000**		**124,000**		20000
Vanadium	11.100	U	11.100	U	11.100	U	11.100	U	~
Zinc	**35.700**		27.800	U	27.800	U	27.800	U	2000
Antimony	1.110	U	1.110	U	1.110	U	1.110	U	3
Arsenic	1.110	U	1.110	U	1.110	U	**1.500**		25
Beryllium	0.333	U	0.333	U	0.333	U	0.333	U	3
Cadmium	0.556	U	0.556	U	0.556	U	0.556	U	5
Selenium	**3.730**		1.110	U	1.110	U	**20.100**		10
Thallium	1.110	U	1.110	U	1.110	U	1.110	U	~
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.7
Chromium, Hexavalent	10	U	10	U	10	U	10	U	50
Chromium, Trivalent	10	U	10	U	10	U	10	U	~

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted concentrations are greater than their respective GQS.
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Table 3: VOC Analytical Data in Soil Vapor and Indoor Air

Table 6
Soil Vapor Results
1036 Manhattan Avenue, Brooklyn, New York

Sample ID	SV-1		SV-2		SV-3		SV-4		SV5		SV6		SV7		IA		OA	
Sampling Date	6/26/2019		6/26/2019		6/26/2019		6/26/2019		7/2/2019		7/2/2019		7/2/2019		7/2/2019		7/2/2019	
Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Indoor Ambient Air		Outdoor Ambient Air	
Unit	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
1,1,1,2-Tetrachloroethane	1.100	U	1.100	U	1.400	U	3.300	U	2.500	U	12	U	1.400	U	0.600	U	0.690	U
1,1,1-Trichloroethane	0.880	U	0.870	U	1.100	U	2.600	U	2	U	9.500	U	1.100	U	0.470	U	0.550	U
1,1,2,2-Tetrachloroethane	1.100	U	1.100	U	1.400	U	3.300	U	2.500	U	12	U	1.400	U	0.600	U	0.690	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.200	U	1.200	U	1.500	U	3.700	U	2.700	U	13	U	1.600	U	0.670	U	0.770	U
1,1,2-Trichloroethane	0.880	U	0.870	U	1.100	U	2.600	U	2	U	9.500	U	1.100	U	0.470	U	0.550	U
1,1-Dichloroethane	0.650	U	0.650	U	0.810	U	1.900	U	1.400	U	**20**	D	0.820	U	0.350	U	0.410	U
1,1-Dichloroethylene	0.160	U	0.160	U	0.200	U	0.480	U	0.350	U	**28**	D	0.200	U	0.0860	U	0.0990	U
1,2,4-Trichlorobenzene	1.200	U	1.200	U	1.500	U	3.600	U	2.700	U	13	U	1.500	U	0.640	U	0.740	U
1,2,4-Trimethylbenzene	**0.950**	D	**1.100**	D	**3.500**	D	**17**	D	**21**	D	**26**	D	**12**	D	**16**	D	**0.790**	D
1,2-Dibromoethane	1.200	U	1.200	U	1.500	U	3.700	U	2.700	U	13	U	1.600	U	0.670	U	0.770	U
1,2-Dichlorobenzene	0.970	U	0.960	U	1.200	U	2.900	U	2.100	U	11	U	1.200	U	0.520	U	0.600	U
1,2-Dichloroethane	0.650	U	**0.650**	D	0.810	U	1.900	U	1.400	U	7.100	U	0.820	U	0.350	U	0.410	U
1,2-Dichloropropane	0.740	U	0.740	U	0.920	U	2.200	U	1.700	U	8.100	U	0.940	U	0.400	U	0.460	U
1,2-Dichlorotetrafluoroethane	1.100	U	1.100	U	1.400	U	3.400	U	2.500	U	12	U	1.400	U	0.610	U	0.700	U
1,3,5-Trimethylbenzene	0.790	U	0.780	U	**1.200**	D	**5**	D	**6.900**	D	8.600	U	**3.100**	D	**4.900**	D	0.490	U
1,3-Butadiene	1.100	U	1.100	U	1.300	U	3.200	U	2.400	U	12	U	1.300	U	0.580	U	0.670	U
1,3-Dichlorobenzene	0.970	U	0.960	U	1.200	U	2.900	U	2.100	U	11	U	1.200	U	0.520	U	0.600	U
1,3-Dichloropropane	0.740	U	0.740	U	0.920	U	2.200	U	1.700	U	8.100	U	0.940	U	0.400	U	0.460	U
1,4-Dichlorobenzene	0.970	U	0.960	U	1.200	U	2.900	U	2.100	U	11	U	1.200	U	0.520	U	0.600	U
1,4-Dioxane	1.200	U	1.200	U	1.400	U	3.500	U	2.600	U	13	U	1.500	U	0.630	U	0.720	U
2-Butanone	**1.800**	D	0.470	U	**2.200**	D	**30**	D	**2.800**	D	5.200	U	**1.900**	D	**4.700**	D	**1.400**	D
2-Hexanone	1.300	U	1.300	U	1.600	U	**17**	D	2.900	U	14	U	1.700	U	0.710	U	0.820	U
3-Chloropropene	2.500	U	2.500	U	3.100	U	7.500	U	5.600	U	27	U	3.200	U	1.400	U	1.600	U
4-Methyl-2-pentanone	0.660	U	0.650	U	0.820	U	2	U	1.500	U	7.200	U	0.830	U	**1.400**	D	0.410	U
Acetone	**11**	D	**3.200**	D	**16**	D	**140**	D	**21**	D	**32**	D	**11**	D	**72**	D	**11**	D
Acrylonitrile	0.350	U	0.350	U	0.430	U	1	U	0.780	U	3.800	U	0.440	U	0.190	U	0.220	U
Benzene	0.510	U	0.510	U	0.640	U	**3.700**	D	1.100	U	5.600	U	0.650	U	**1.100**	D	**0.740**	D
Benzyl chloride	0.830	U	0.830	U	1	U	2.500	U	1.900	U	9	U	1.100	U	0.450	U	0.520	U
Bromodichloromethane	1.100	U	1.100	U	1.300	U	3.200	U	2.400	U	12	U	1.400	U	0.580	U	0.670	U
Bromoform	1.700	U	1.600	U	2.100	U	5	U	3.700	U	18	U	2.100	U	0.900	U	1	U
Bromomethane	0.630	U	0.620	U	0.780	U	1.900	U	1.400	U	6.800	U	0.790	U	0.340	U	0.390	U
Carbon disulfide	0.500	U	0.500	U	0.620	U	**1.500**	D	1.300	D	5.400	U	0.630	U	**0.540**	D	0.310	U
Carbon tetrachloride	**0.710**	D	**0.900**	D	**0.500**	D	0.760	U	0.560	U	2.700	U	**0.380**	D	**0.440**	D	**0.440**	D
Chlorobenzene	0.740	U	0.730	U	0.920	U	2.200	U	1.600	U	8	U	0.940	U	0.400	U	0.460	U
Chloroethane	0.430	U	0.420	U	0.530	U	1.300	U	0.940	U	4.600	U	0.540	U	0.230	U	0.260	U
Chloroform	**1.100**	D	**1.200**	D	**1.100**	D	**6.300**	D	**3.800**	D	**8.500**	D	0.990	U	**0.680**	D	0.490	U
Chloromethane	0.330	U	0.330	U	**1.100**	D	0.990	U	**1.600**	D	3.600	U	0.420	U	**1.300**	D	**1.200**	D
cis-1,2-Dichloroethylene	0.160	U	0.160	U	0.200	U	0.480	U	**10**	D	**150,000**	D	0.200	U	**0.790**	D	**0.0990**	U
cis-1,3-Dichloropropylene	0.730	U	0.720	U	0.910	U	2.200	U	1.600	U	7.900	U	0.920	U	0.390	U	**0.460**	U
Cyclohexane	0.550	U	0.550	U	0.690	U	**3.300**	D	**1.700**	D	6	U	0.700	U	**1.400**	D	**0.350**	U
Dibromochloromethane	1.400	U	1.400	U	1.700	U	4.100	U	3	U	15	U	1.700	U	0.740	U	**0.850**	U
Dichlorodifluoromethane	**1.800**	D	**1.700**	D	**3.600**	D	**3.800**	D	**260**	D	**260**	D	**3.200**	D	**16**	D	**1.400**	D
Ethyl acetate	1.200	U	1.200	U	1.400	U	3.500	U	2.600	U	13	U	1.500	U	**8.900**	D	0.720	U
Ethyl Benzene	0.700	U	0.690	U	**2**	D	**10**	D	**4**	D	**14**	D	**3**	D	**14**	D	**0.570**	D
Hexachlorobutadiene	1.700	U	1.700	U	2.100	U	5.100	U	3.800	U	19	U	2.200	U	0.930	U	1.100	U
Isopropanol	0.790	U	0.780	U	**1.800**	D	**4.700**	D	**3.100**	D	8.600	U	**1.200**	D	22	D	**1.800**	D
Methyl Methacrylate	**0.660**	D	0.650	U	0.820	U	2	U	1.500	U	7.200	U	0.830	U	0.360	U	**1.100**	D
Methyl tert-butyl ether (MTBE)	0.580	U	0.580	U	0.720	U	1.700	U	1.300	U	6.300	U	0.730	U	0.310	U	0.360	U
Methylene chloride	**6.800**	D	**4.900**	D	**3.900**	D	3.300	U	**4.100**	D	12	U	1.400	U	**0.840**	D	**7.500**	D
n-Heptane	0.660	U	0.650	U	0.820	U	**16**	D	**3.800**	D	**9.300**	D	**1.700**	D	**11**	D	**0.700**	D
n-Hexane	0.570	U	0.560	U	**0.920**	D	**9.700**	D	**1.600**	D	**8.600**	D	0.720	U	**2.500**	D	**0.710**	D
o-Xylene	0.700	U	**0.760**	D	**2.600**	D	**15**	D	**5.600**	D	**17**	D	**5.800**	D	**18**	D	**0.650**	D
p- & m- Xylenes	**1.500**	D	**1.600**	D	**7.300**	D	**39**	D	**15**	D	**43**	D	**12**	D	**53**	D	**1.700**	D
p-Ethyltoluene	0.790	U	0.780	U	**2.700**	D	**15**	D	**16**	D	**22**	D	**6.600**	D	**13**	D	**0.690**	D
Propylene	**1.400**	D	**1.600**	D	0.340	U	0.830	U	0.620	U	**23**	D	0.350	U	0.150	U	0.170	U
Styrene	**0.690**	D	**1.600**	D	0.850	U	**2.900**	D	1.500	U	7.400	U	**2**	D	**0.810**	D	0.430	U
Tetrachloroethylene	0.270	U	0.270	U	0.340	U	**94**	D	0.610	U	**36**	D	**6.100**	D	**2.600**	D	0.170	U
Tetrahydrofuran	0.950	U	0.940	U	1.200	U	2.800	U	**2.400**	D	10	U	1.200	U	**2.400**	D	0.590	U
Toluene	**2.900**	D	**3**	D	**12**	D	**45**	D	NT		**47**	D	**9.400**	D	**100**	D	**3.100**	D
trans-1,2-Dichloroethylene	0.640	U	0.630	U	0.790	U	1.900	U	1.400	U	**3,400**	D	0.810	U	0.340	U	0.400	U
trans-1,3-Dichloropropylene	0.730	U	0.720	U	0.910	U	2.200	U	1.600	U	7.900	U	0.920	U	0.390	U	0.460	U
Trichloroethylene	0.220	U	0.210	U	0.270	U	**4.700**	D	**1.300**	D	**250**	D	0.270	U	**0.190**	D	0.130	U
Trichlorofluoromethane (Freon 11)	**1.200**	D	**1.300**	D	**1.200**	D	2.700	U	2	U	9.800	U	**1.300**	D	**1.400**	D	**1.400**	D
Vinyl acetate	0.570	U	0.560	U	0.700	U	1.700	U	1.300	U	6.200	U	0.720	U	0.310	U	0.350	U
Vinyl bromide	0.710	U	0.700	U	0.870	U	2.100	U	1.600	U	7.600	U	0.890	U	0.380	U	0.440	U
Vinyl Chloride	0.100	U	0.100	U	0.130	U	0.310	U	**2.100**	D	**510**	D	0.130	U	0.0550	U	0.0640	U
Total BTEX	2.900		5.36		21.9		102.7		21.7		107.0		27.2		172.1		6.2	

NOTES:
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their NYSDOH Standard
Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated

Attachment to Section IV – Property Information

- Property Description and Environmental Assessment

SECTION IV PROPERTY INFORMATION

Parcel Address, Section No., Block No., Lot No., and Acreage:

Parcel Address	Section No.	Borough ID	Block No.	Lot No.	Acreage	Square Feet
1038 Manhattan Avenue	N/A	03	2513	8	0.115	5,000
1036 Manhattan Avenue	N/A	03	2513	6	0.057	2,500
1032 Manhattan Avenue	N/A	03	2513	5	0.057	2,500
				Total	**0.229**	**10,000**

10. *Property Description and Environmental Assessment*

Location

The 1036 Manhattan Ave BCP Site is located in a commercial and residential area of the Greenpoint section of the Borough of Brooklyn. The Site is bound to the north by Freeman Street and to the west by Manhattan Avenue, and by multifamily and mixed-use buildings to the east and south, respectively. A USGS Topographic 7.5-minute Map is included as Figure 1. A Site Plan showing the Site property boundaries is included as Figure 2.

Site Features

The Site is currently vacant; Site buildings have been demolished in preparation for redevelopment. The building foundations remain with building rubble occupying portions of the former building basements. The Site is comprised of three complete tax parcels as noted above totaling 10,000 square feet.

Current Zoning and Land Use

The Site is currently zoned R7A (medium density residential apartments) with a C2-4 (commercial zone) overlay. The current land use at the Site is as vacant properties. Surrounding properties along Manhattan Avenue are zoned with the same R7A/C2-4 designation of mixed-use commercial/residential. Surrounding properties to the east along Freeman Street and George Apen Street (also known as Green Street) are generally zoned as R6B residential. A tax map and land use map of surrounding properties is included as Figures 3 and 4.

Past Use of the Site

The primary past use of the site that led to Site contamination is a dry cleaner that operated from approximately 1965 to 1985. A portion of the Site was labeled as “Paints” from 1951 to 2007 and may have additionally contributed to Site contamination.

The Site was listed as an “E” designated site for hazardous materials and noise during the Greenpoint-Williamsburg Contextual Rezoning Action completed by New York City in July 2009 (CEQR No. 09CDP056K). Because the “E” designation was assigned to this property for hazardous materials, an investigation was required by the NYC OER. Sampling of Site soils, groundwater, soil gas, and indoor air was conducted by SET and reported to NYC OER in its August 14, 2019 and May 18, 2020 Remedial Investigation Reports, which are included within this application.

Site Geology and Hydrogeology

According to the SET RIR, the shallow subsurface of the Site consists of a layer of dry silty sand with fill material from the surface to 12.5 feet below grade. Moist silty clay is then present from 12.5 to 14 feet below grade with wet fine-grained sand beneath 14 feet. Mapped native soils within the vicinity of the Site are characterized as glacial till of variable texture and relatively impermeable. Bedrock was not encountered at the Site in previous investigations.

Groundwater at the Site is located approximately 12.6 to 14.5 feet below grade on Site. Groundwater flow is north-northeast towards Newtown Creek and the East River. No wetlands or surface water bodies are present at the Site. The nearest surface water body is the Newtown Creek, located approximately 1,800 feet to the north. A groundwater contour map is included as Figure 5. A FEMA Floodplain Map is included as Figure 6.

Environmental Assessment

Based upon investigations conducted to date, the primary contaminants of concern include the following chlorinated volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and metals:

- Chlorinated VOCs
  - cis-1,2-Dichloroethene (cis-1,2-DCE)
  - Trichloroethene (TCE)
  - Tetrachloroethene (PCE)
  - Vinyl Chloride (VC)
- PAHs
  - Benzo(a)anthracene (BaA)
  - Benzo(a)pyrene (BaP)
  - Benzo(b)fluoranthene (BbF)
  - Benzo(k)fluoranthene (BkF)
  - Chrysene
  - Dibenzo(a,h)anthracene (DahA)
  - Indeno(1,2,3-cd)pyrene (IcdP)
- Metals
  - Arsenic
  - Copper
  - Lead
  - Magnesium
  - Manganese
  - Mercury
  - Selenium
  - Sodium
  - Zinc

Soil - Sampling results from previous investigations indicate the presence of PAHs and metals contamination in soil. These shallow exceedances were generally found within the top 12-feet below

grade located in soil sampling points SP-4 and SP-6. The following table provides a range of concentrations detected for the primary contaminants of concern which exceeded either the NYSDEC Protection of Groundwater Soil Cleanup Objective (PGSCO) or the Restricted Residential Soil Cleanup Objectives (RRSCO). Compounds not listed on this table were either not detected or were below the standards:

Soil Sampling Summary

Primary Contaminant of Concern	Concentration Range (mg/kg)	Exceeds PGSCO	Exceeds RRSCO
PAHs			
BaA	Non-detect to 20.6	**X**	**X**
BaP	Non-detect to 19.5		**X**
BbF	Non-detect to 17.3	**X**	**X**
BkF	Non-detect to 14.7	**X**	**X**
Chrysene	Non-detect to 19.1	**X**	**X**
DahA	Non-detect to 2.87		**X**
IcdP	Non-detect to 10.5	**X**	**X**
Metals			
Arsenic	2.23 to 16.4	**X**	**X**
Copper	11.6 to 345		**X**
Lead	5.28 to 734	**X**	**X**
Mercury	Non-detect to 1.33	**X**	**X**
Zinc	34.1 to 2,740	**X**	**X**

Figure 8 and Tables 1a through 1d provide specific sampling locations and analytical results.

Groundwater - Sampling results from previous investigations indicate the presence of chlorinated VOCs, PAHs and metals contamination in groundwater. The highest concentrations of chlorinated VOCs was found in the northeast corner of the properties at MW-3, with low level exceedances of the NYSDEC Technical Operational Guidance Series (TOGS) for Class GA Ambient Water Quality Standards (AWQS) detected at all three tax lots of the Site. Various metal exceedances of the TOGS Class GA AWQS for the primary contaminants of concern were detected throughout the Site. PAH exceedances were found in the southeastern portion of the Site at MW-4.

The following table provides a range of concentrations detected for the primary contaminants of concern which exceeded NYSDEC TOGS Class GA AWQS. Compounds not listed on this table were either not detected or below the applicable standards:

Groundwater Sampling Summary

Primary Contaminant of Concern	Concentration Range (µg/L)	Exceeds TOGS Class GA AWQS
Chlorinated VOCs		
cis-1,2-DCE	Non-detect to 8,000	**X**
PCE	0.79 to 24	**X**
TCE	1.1 to 13	**X**
VC	Non-detect to 15	**X**
PAHs		
BaA	Non-detect to 1.72	**X**
BaP	Non-detect to 1.44	**X**
BbF	Non-detect to 1.76	**X**
BkF	Non-detect to 1.38	**X**
Chrysene	Non-detect to 1.50	**X**
IcdP	Non-detect to 0.600	**X**
Metals		
Magnesium	7,910 to 38,300	**X**
Manganese	140 to 1,700	**X**
Selenium	Non-detect to 20.1	**X**
Sodium	31,400 to 124,000	**X**

Figure 7 and Tables 2a through 2d provide specific sampling locations and analytical results.

Soil Vapor / Indoor Air - Sampling results from previous investigations indicate the presence of chlorinated VOCs in the subsurface soil vapor. The highest detections were found in the northern portion of the Site at SV-6, particularly of cis-1,2-DCE, TCE, and VC that exceeded the NYSDOH soil vapor / indoor air decision matrices (NYSDOH Matrix) for concentrations requiring mitigation and/or monitoring. As the former buildings on the Site's three lots shared a common basement, only one indoor air sample was collected for comparing soil vapor results to the NYSDOH Matrices. In addition, slight detections above the NYSDOH ambient Air Guideline Values (AGVs) were detected for PCE in SV-4 and SV-6, and for TCE in SVE-4. The following table provides a range of concentrations detected for the primary contaminants of concern which exceeded either the NYSDOH Matrix values or the NYSDOH ambient AGVs. Compounds not listed on this table were either not detected or below the applicable standards:

Soil Vapor / Indoor Air Sampling Summary

Primary Contaminant of Concern	Concentration Range ($\mu g/m^3$)	Exceeds NYSDOH Matrix for Monitor/Mitigate	Exceeds NYSDOH AGV
Chlorinated VOCs			
cis-1,2-DCE	Non-detect to 8,000	**X**	
TCE	Non-detect to 250	**X**	**X**
PCE	Non-detect to 94		**X**
VC	Non-detect to 510	**X**	

Figure 9 and Table 3 provide specific sampling locations and analytical results.

Attachment to Section VI – Current Property Owner/Operator Information

- Current Owner Information
- List of Previous Owners and Operators and Relationship to the Requestor

SECTION VI CURRENT PROPERTY OWNER/OPERATOR INFORMATION

Current property owner and operator information:

Block 2513

	Owner	Ownership Start Date	Operator
Lot 5	777 Partners LLC 49 Box Street Brooklyn, NY 11222 Ph: 443-278-4075 Email: jennifer@ashnyc.com	November 8, 2019	None
Lot 6	Marshall Kesten LLC 49 Box Street Brooklyn, NY 11222 Ph: 443-278-4075 Email: jennifer@ashnyc.com	December 13, 2010	None
Lot 8	Marshall Kesten LLC 49 Box Street Brooklyn, NY 11222 Ph: 443-278-4075 Email: jennifer@ashnyc.com	December 13, 2010	None

The requestor is a contract purchaser and its members are comprised of the current property owners of the Site.

List of previous owners and operators with names. Description of relationship to requestor:

Block 2513, Lot 5:

Period	Owner	Address	Phone	Relationship to Requestor	Operators	Relationship to Requestor	Address
1928 – 1940	Unknown	Unknown	Unknown	None	Hertz Jos.	None	Unknown

Period	Owner	Address	Phone	Relationship to Requestor	Operators	Relationship to Requestor	Address
1940 – 1945	Unknown	Unknown	Unknown	None	Klugman R / Nathans Hardware and Bedding Co.	None	Unknown
1945 – 1959	Greenpoint Furniture Corp.	Unknown	Unknown	None	Unknown	None	Unknown
1959 – 1988	Pauline Simon	99-05 63rd Drive, Rego Park, NY 11374	Unknown	None	Unknown	None	Unknown
1988 – 1993	Howard Simon	148-40 56th Road, Flushing, NY 11355	Unknown	None	Unknown	None	Unknown
1993 – 2005	Lisa Cohen / Howard Simon / Lisa Simon	523 Pontiac Road, East Meadow, NY 11554 / 150-17 58th Avenue, Flushing, NY 11355	Unknown	None	Unknown	None	Unknown
2005 – 2019	The Howard Simon Asset Management Trust, Lisa Cohen as Trustee	523 Pontiac Road, East Meadow, NY, 11554	516.873.2000	None	Unknown	None	Unknown
2019 – Present	777 Partners LLC	49 Box Street, Brooklyn, NY 11222	646.970.4361	Member of the Requestor LLC	Same as Owner	Same as Owner	Same as Owner

Block 2513, Lot 6:

Period	Owners	Address	Phone	Relationship to Requestor	Operators	Relationship to Requestor	Address
1928 – 1940	Unknown	Unknown	Unknown	None	Spielman B.	None	Unknown

Period	Owners	Address	Phone	Relationship to Requestor	Operators	Relationship to Requestor	Address
1940 – 1949	Unknown	Unknown	Unknown	None	Klugman R. / Nathans Hardware and Bedding Co. / Spielman Irving A.	None	Unknown
1949 – 1985	Unknown	Unknown	Unknown	None	Kelly Cleaners Co.	None	Unknown
Unknown - 1985	Tomark Management Corporation	1036 Manhattan Avenue, Brooklyn, NY 11222	Unknown	None	Kelly Cleaners Co.	None	Unknown
1985 – 2010	Marshall Kesten	21 East Broad Street, Mount Vernon, NY 10559	Unknown	Managing Member of the members of the Requestor LLC	PM Auto Parts (1985 – 2005)	None	Unknown
2010 - Present	Marshall Kesten LLC	49 Box Street, Brooklyn, NY 11222	646.970.4361	Member of the Requestor LLC	Same as Owner	Same as Owner	Same as Owner

Block 2513, Lot 8:

Period	Owners	Address	Phone	Relationship to Requestor	Operators	Relationship to Requestor	Address
1928 – 1949	Unknown	Unknown	Unknown	None	McGough WM and Weissberg Y.	None	Unknown
1949 – 1960	Unknown	Unknown	Unknown	None	Kelly Cleaners Co.	None	Unknown
1960 – 1985	Unknown	Unknown	Unknown	None	Miller/MDSE	None	Unknown
Unknown – 1982	Helen Orsik	160 Noble Street, Brooklyn, NY 11222	Unknown	None	Miller/MDSE	None	Unknown

Period	Owners	Address	Phone	Relationship to Requestor	Operators	Relationship to Requestor	Address
1982 – 1985	Stanislaw Jargilo / Zbigniew Winarski	131 Dupont Street, Brooklyn, NY 11222 / 138 Newel Street, Brooklyn, NY 11222	Unknown	None	Miller/MDSE	None	Unknown
1985	K. Josephs Son Co. Inc.	1056 Manhattan Avenue, Brooklyn, NY 11222	Unknown	None	Miller/MDSE	None	Unknown
1985 – 1986	Howard Josephs / Wallace Kaufman	1038 Manhattan Avenue, Brooklyn, NY 11222	Unknown	None	Unknown	None	Unknown
1986	City of New York	City Hall	NA	None	Unknown	None	Unknown
1986 – 1988	Howard Josephs / Wallace Kaufman	1038 Manhattan Avenue, Brooklyn, NY 11222	Unknown	None	Unknown	None	Unknown
1988 – 2000	Kajo Realty Co	1056 Manhattan Avenue, Brooklyn, NY 11222	Unknown	None	Unknown	None	Unknown
2000 – 2010	Marshall L Kesten	1036 Manhattan Avenue, Brooklyn, NY 11222	Unknown	Managing Member of the members of the Requestor LLC	Same as Owner	Same as Owner	Same as Owner
2010 - Present	Marshall Kesten LLC	49 Box Street, Brooklyn, NY 11222	646.970.4361	Member of the Requestor LLC	Same as Owner	Same as Owner	Same as Owner

Attachment to Section VII – Requestor Eligibility Information

- Volunteer Statement
- Certificates of Authority – BK Corner LLC

SECTION VII REQUESTOR ELIGIBILITY INFORMATION

If 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, submit a statement describing why you should be considered a volunteer.

The Requestor seeks to enter into the Brownfield Cleanup Program (BCP) as a Volunteer.

Under ECL § 27-1405(1)(b) and 6 NYCRR §375-3.2(c)(2), a Volunteer is defined as follows:
"Volunteer" shall mean an applicant other than a participant, including without limitation a person whose liability arises solely as a result of such person's ownership or operation of or involvement with the site subsequent to the disposal or discharge of contaminants, provided however, such person exercises appropriate care with respect to contamination found at the facility by taking reasonable steps to:

(i) stop any continuing release;
(ii) prevent any threatened future release; and
(iii) prevent or limit human, environmental, or natural resource exposure to any previously released contamination.

The Site consists of three lots, Block 2513, lots 5, 6, and 8. As to Lot 5, the Requestor does not have any relationship to any previous owners or operators of this lot, with the exception of the current owner, 777 Partners LLC ("777 Partners") who is a member of the requestor entity. 777 Partners conducted all appropriate inquiries consistent with CERCLA and industry standards by performing a Phase I Environmental Site Assessment prior to acquisition in 2019, and did not own the Site during any of the historic operations likely tied to the on-site contamination.

As to lots 6 and 8, while these lots were acquired without a prior Phase I Environmental Site Assessment, the prior owning affiliates of the Requestor took ownership after any potential discharge of contaminants and acted with appropriate care after taking ownership. With respect to lot 6, the managing member of a member entity of the Requestor has owned this property since 1985, which predates modern environmental due diligence standards. When Lot 6 was purchased, it contained an auto parts store on the ground floor and residential units on the upper floors. There were no obvious uses or operations that would suggest any releases or threatened releases on the Site, as the now suspected sources of contamination (i.e. dry cleaners and possible paint store) pre-dated the operations in 1985. Lot 8 was acquired in 2010 by a member entity of the Requestor. Since taking ownership of this lot there have been no releases or threatened releases on the Site. Once the current owners had reason to know of potential contamination on the Site (by virtue of a Phase I Environmental Site Assessment), steps were promptly taken to address the potential pre-existing contamination.

In anticipation of redeveloping the Site, sampling of Site soils, groundwater, soil gas, and indoor air was conducted by Structural Engineering Technologies, P.C., and reported to NYC OER in its

August 14, 2019 and May 18, 2020 Remedial Investigation Reports submitted to NYC OER to resolve the “E” Designation on the Site. After confirmation of Site contamination and subsequent conversations with NYSDEC, applicant/current owner now seeks entry into the Brownfield Cleanup Program to further investigate and remediate the Site.

777 Partners LLC
49 Box Street
Brooklyn NY 11222

December 10, 2020

Brownfield Requestor and Applicant
c/o
BK Corners LLC
49 Box Street
Brooklyn, NY 11222

Re: Property Access and Authorization to perform all obligations under the New York State Brownfield Cleanup Program

Dear Sir:

777 Partners LLC, (hereinafter referred to as "Owner") owns the property located at 1032 Manhattan Avenue (Block 2513, Lot 5) (the "Property"). Owner hereby authorizes the entities listed on Exhibit A, attached hereto (collectively referred to as the "Authorized Applicant(s)/Requestor(s)"), to access the Property and to apply to participate in and perform any obligations under the New York State Department of Environmental Conservation's ("NYSDEC") Brownfield Cleanup Program ("BCP").

Owner further understands that the Authorized Applicants will also need to provide access to the NYSDEC and environmental professionals that the Authorized Applicants has/have hired to perform any investigation and remedial activities under the BCP.

Sincerely,

Marshall Kesten, Managing Member

By: _____

AUTHORIZED APPLICANT(S)/REQUESTOR(S)

- BK Corners LLC

Marshall Kesten LLC
49 Box Street
Brooklyn NY 11222

December 10, 2020

Brownfield Requestor and Applicant
c/o
BK Corners LLC
49 Box Street
Brooklyn, NY 11222

Re: Property Access and Authorization to perform all obligations under the New York State Brownfield Cleanup Program

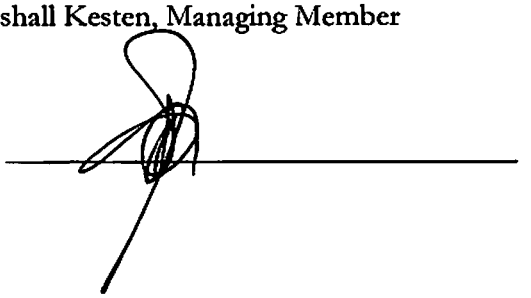
Dear Sir:

Marshall Kesten LLC, (hereinafter referred to as "Owner") owns the properties located at 1036 and 1038 Manhattan Avenue (Block 2513, Lots 6 and 8) (the "Property"). Owner hereby authorizes the entities listed on Exhibit A, attached hereto (collectively referred to as the "Authorized Applicant(s)/Requestor(s)"), to access the Property and to apply to participate in and perform any obligations under the New York State Department of Environmental Conservation's ("NYSDEC") Brownfield Cleanup Program ("BCP").

Owner further understands that the Authorized Applicants will also need to provide access to the NYSDEC and environmental professionals that the Authorized Applicants has/have hired to perform any investigation and remedial activities under the BCP.

Sincerely,

Marshall Kesten, Managing Member

By: 

AUTHORIZED APPLICANT(S)/REQUESTOR(S)

- BK Corners LLC

Attachment to Section IX – Contact List Information

- Contact List
- Confirmation from the Project Repositories

SECTION IX CONTACT LIST INFORMATION

To be considered complete, the application must include the Brownfield Site Contact List in accordance with DER-23 / Citizen Participation Handbook for Remedial Programs:

Hon. Bill DeBlasio
Mayor of the City of New
York City Hall
New York, NY 10007
Tel: (212) 639-9675

Hon. Marisa Lago
Director, Department of City Planning
Brooklyn Office
16 Court Street, 7th Fl.
New York, NY 11241-0103
Tel: (718) 780-8280
Fax: (718) 596-2609

Hon. Eric Adams
Brooklyn Borough President
209 Joralemon Street
Brooklyn, NY 11201
Tel: (718) 802-3700
Fax: (718) 802-3778
askeric@brooklynbp.nyc
.gov

Hon. Corey Johnson
NYC Council Speaker
224 West 30TH Street Suite 1206
New York, NY 10001
Tel: (212) 564-7757
Fax: (212) 564-7347

Hon. Dealice Fuller, Chairperson
Brooklyn Community Board No. 1
435 Graham Avenue
Brooklyn, NY 11211
Tel: (718) 389-0009
Fax: (718) 389-0098
bk01@cb.nyc.gov

NYC Department of Environmental Protection
Bureau of Water and Sewer Operations
59-17 Junction Boulevard
Flushing, NY 11373

Newspapers

New York Times
The New York Times Company
620 8th Avenue
New York, NY 10018
Tel: (212) 556-3622

New York Daily News
270C Duffy Avenue
Hicksville, NY 11801
Tel: (212) 210-2100
Fax: (212) 643-7831

New York Post
1211 Avenue of the Americas
New York, NY 10036-8790
Tel: (212) 930-8700

Local Community Newspaper

The Brooklyn Paper
1 Metrotech Center, 3rd Fl.
Brooklyn, NY 11201
Tel: (718) 260-2500

Project Repositories

The Brooklyn Public Library - Greenpoint Branch (closest proximity to site)
107 Norman Avenue at Leonard Street
Brooklyn, NY 11222
Tel: (718) 389-4394

(See consent letter attached)

Brooklyn Community Board No. 1
435 Graham Avenue
Brooklyn, NY 11211
Tel: (718) 389-0009
Fax: (718) 389-0098
bk01@cb.nyc.gov

(See consent letter attached)

School

Nearest school is PS 31 – Samuel F. Dupont (over ½ mile upgradient).
No contact necessary.

Day Care Center

Nearest day care center is YMCA of Greater New York – Java Street (0.2 miles [4 city blocks] upgradient).
No contact necessary.

Residents, owners, and occupants of the property and properties adjacent to the property: BLOCK: 2504

LOT	PROPERTY ADDRESS	OWNERS NAME & MAILING ADDRESS
44	1043 Manhattan Avenue Mixed Residential & Commercial (3 sty – 6 units: 4 residential & 2 commercial)	Anna Malik 598 Driggs Avenue Brooklyn, NY 11211

Residents, owners, and occupants of the property and properties adjacent to the property: BLOCK: 2505

LOT	PROPERTY ADDRESS	OWNERS NAME & MAILING ADDRESS
1	1044 Manhattan Avenue Mixed Residential & Commercial (3 sty – 4 units: 3 residential & 1 commercial)	Joanne Laszczych 77 Green Street Brooklyn, NY 11222
2	1048 Manhattan Avenue Mixed Residential & Commercial (5 sty – 13 units: 12 residential & 1 commercial)	Manhattan Holdings NY LLC 199 Lee Avenue, Unit 334 Brooklyn, NY 11211
58	181 Freeman Street Residential Multi Family (3 sty – 4 units)	73-32 67th Road Greenpoint, NY 11222
59	179 Freeman Street One or Two Family Buildings (2 sty – 2 units)	Irene Klementowicz 179 Freeman Street Brooklyn, NY 11222

Residents, owners, and occupants of the property and properties adjacent to the property: BLOCK: 2512

LOT	PROPERTY ADDRESS	OWNERS NAME & MAILING ADDRESS
43	1041 Manhattan Avenue Mixed Residential & Commercial	Alfred & Helena Kaminski 155 Franklin Street

	(2 sty – 2 units: 1 residential & 1 commercial)	Brooklyn, NY 11222
44	1037 Manhattan Avenue Residential Multi Family (4 sty – 10 units)	1037 Manhattan Avenue LLC 7 Penn Plaza, Suite 820 New York, NY 10001
45	1035 Manhattan Avenue Mixed Residential & Commercial (4 sty – 7 units: 6 residential & 1 commercial)	1035 Manhattan Avenue LLC 74 Calyer Street Brooklyn, NY 11222
46	1031 Manhattan Avenue Residential Multi Family (4 sty – 7 units)	PFH Manhattan Av HSNG DV 1031 Manhattan Avenue Brooklyn, NY 11222
47	1029 Manhattan Avenue Mixed Residential & Commercial (4 sty – 7 units: 6 residential & 1 commercial)	Man-Ave LLC 942 Lafayette Avenue Brooklyn, NY 11221
48	1025 Manhattan Avenue Mixed Residential & Commercial (4 sty – 7 units: 6 residential & 1 commercial)	Emil Sofsky 84-20 91st Street Woodhaven, NY 11421

Residents, owners, and occupants of the property and properties adjacent to the property: <u>BLOCK: 2513</u>

LOT	PROPERTY ADDRESS	OWNERS NAME & MAILING ADDRESS
1	1020 Manhattan Avenue Residential Multi Family (4 sty – 23 unit)	1020 Manhattan LLC 1020 Manhattan Avenue Brooklyn, NY 11222
3	1026 Manhattan Avenue Mixed Residential & Commercial (3 sty – 5 units: 4 residential & 1 commercial)	Marria LLC 62 Bayard Street Brooklyn, NY 11222
4	1030 Manhattan Avenue Mixed Residential & Commercial (3 sty – 5 units: 4 residential & 1 commercial)	Matta LLC C/O Lucyna Jaworska 118 Aldershot Lane Manhasset, NY 11030
10	178 Freeman Street Residential Multi Family (3 sty – 6 unit)	178 Freeman LLC 178 Freeman Street Brooklyn, NY 11222
11	180 Freeman Street Residential Multi Family (3 sty – 2 unit)	Andre Daparma 180 Freeman Street Brooklyn, NY 11222

57	117 Green Street Vacant (Zoned Residential)	Mahbub, Rahman 117 Green St Brooklyn, NY 11222

From: infobk01 (CB)
To: Anthony Shields
Subject: Re: Request for Project Document Repository
Date: Monday, December 7, 2020 4:17:38 PM
Attachments: Integral-Logo_9733dd41-3a5c-4af6-b821-47718bfb1269.jpg

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[CAUTION: External email. Think before you click links or open attachments.]

please be advised that Brooklyn Community Board No. 1 is located at 435 Graham Avenue, Brooklyn, NY 11211.

The address you note is within our confines.

In addition, the Greenpoint Branch of the Brooklyn Public Library is now open. They were also listed as a repository for projects within the Greenpoint Area.

From: Anthony Shields
Sent: Monday, November 30, 2020 4:09 PM
To: infobk01 (CB)
Subject: Request for Project Document Repository

Good afternoon,

I am attempting to procure the appropriate Document Repositories for my client for a site in Brooklyn undergoing environmental investigation and remediation. We are currently undergoing the process to apply for the New York State Department of Conservation (NYSDEC) Brownfields Cleanup Program (BCP). It is my understanding that the local community board in NYC must also act as one of the Site's Document Repositories. Can you please confirm that this is a function we can request from this Community Board, and can you provide what your application process for this is and what (if any) fees are required?

Below are some site details:

Site Name: 1036 Manhattan Ave BCP Site

Site Address: 1036 Manhattan Ave, Brooklyn, NY

Site Applicant: BK Corners LLC

NYSDEC Program: Brownfields Cleanup Program (BCP)

Any information you can provide would be very helpful,

Thank you very much.

ANTHONY SHIELDS | Project Engineer
Tel: 856.399.7722 | Cell: 215.260.1069
923 Haddonfield Road, Suite 300 | Cherry Hill | NJ 08002
ashields@integral-corp.com | www.integral-corp.com

December 10, 2020

Re: **1036 Manhattan Ave BCP Site**
1032 and 1036-1038 Manhattan Avenue, Brooklyn, NY 11222

Dear Mr. Shields,

Brooklyn Public Library - Greenpoint will serve as a document repository for the above-referenced project. The project is undergoing the application process to enter in the New York State Department of Environmental Conservation ("NYSDEC") Brownfield Cleanup Program ("Program") and under the Program, final reports will be maintained at this location for public review.

Sincerely,

Alexa Orr

Signature

Alexa Orr, Neighborhood Library Supervisor

Print Name/Title

Attachment to Section X – Land Use Factors

- Summary of Current Business Operations or Uses
- Summary of Proposed Use
- New York City Planning Commission Zoning Map 13a

SECTION X LAND USE FACTORS

1. What is the current municipal zoning designation for the Site?

The Site is currently zoned within two districts:

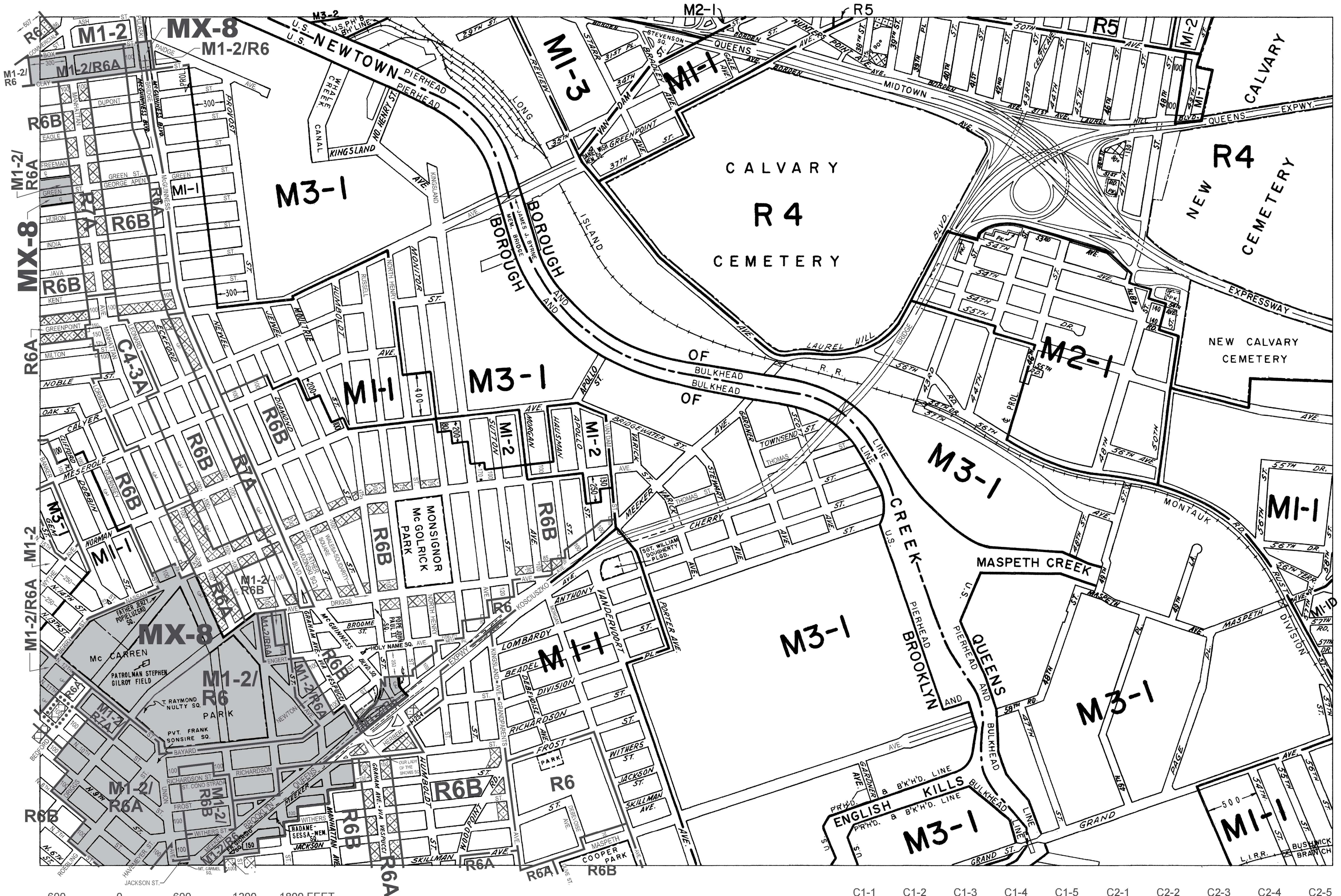
- R7A - Residential medium density apartment/house district. R7A districts must adhere to the contextual Quality Housing regulations, typically producing high lot coverage apartment buildings between seven- to nine-story buildings; and
- C2-4 – Commercial district mapped within residential districts. Typically mapped along streets that serve local retail needs.

2. Attach a summary of current business operations or uses, with an emphasis on identifying possible contaminant source areas. If operations or used have ceased, provide the date.

The Site was formerly a mixed-use commercial and residential property as described in detail in Section IV – Property Information. The Site is currently vacant and the structures have been demolished in preparation for redevelopment. The former Kelly Cleaners located at the Site operated from 1965 to 1985, which is believed to be the source of the chlorinated solvent contamination below the subsurface. Operations at the Site ceased in 2020. Demolition of the mixed-use commercial and residential buildings occurred in 2020.

3. Attach a statement detailing the specific proposed use.

The Site will be developed with a new 8-story mixed-use residential and commercial building. A portion of the first floor will include a commercial space. Floors 2-8 will be for residential use, including affordable housing. The eastern portion of the Site will include on-grade parking.



600 0 600 1200 1800 FEET

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:

01-31-2018 C 170024 ZMK

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 and Mandatory Inclusionary Housing areas on this map, see APPENDIX F.

MAP KEY

8d	9b	9d
12c	**13a**	13c
12d	13b	13d

ZONING MAP **13a**

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.