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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

BROWNFIELD CLEANUP PROGRAM (BCP) APPLICATION FORM

Is this an application to amend an existing BCA with a major modification? Please refer to the application instructions for further guidance related to BCA amendments. ○ **Yes** ◉ **No**
If yes, provide existing site number: _____

Is this a revised submission of an incomplete application? ○ **Yes** ◉ **No**
If yes, provide existing site number: _____

BCP App Rev 13

SECTION I: Property Information

PROPOSED SITE NAME 188 East 135th Street Redevelopment Site

ADDRESS/LOCATION 188 East 135th Street

CITY/TOWN New York City | ZIP CODE 10451

MUNICIPALITY (LIST ALL IF MORE THAN ONE) Borough of the Bronx

COUNTY Bronx | SITE SIZE (ACRES) 0.58

LATITUDE			LONGITUDE		
40 °	48 ‘	40.752 “	-73 °	55 ‘	55.848 “

Provide tax map information for all tax parcels included within the proposed site boundary below. If a portion of any lot is to be included, 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 acreage column.
ATTACH REQUIRED TAX MAPS PER THE APPLICATION INSTRUCTIONS. **See Attachment 1A**

Parcel Address	Section	Block	Lot	Acreage
188 East 135th Street		2323	13	0.58

	Y	N
1. Do the proposed site boundaries correspond to tax map metes and bounds? If no, please attach an accurate map of the proposed site including a metes and bounds description.	◉	○
2. Is the required property map provided in electronic format with the application? (Application will not be processed without a map) **See Attachment 1B**	◉	○
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) **See Attachment 1C for En-zone Map** If yes, identify census tract: 51 Percentage of property in En-zone (check one): 0% ○ 1-49% ○ 50-99% ○ 100% ◉	◉	○
4. Is the project located within a disadvantaged community? See application instructions for additional information.	◉	○
5. Is the project located within a NYS Department of State (NYS DOS) Brownfield Opportunity Area (BOA)? See application instructions for additional information.	◉	○

	Y	N
6. Is this application one of multiple applications for a large development project, where the development spans more than 25 acres (see additional criteria in application instructions)? If yes, identify names of properties and site numbers, if available, in related BCP applications: _____	○	◉
7. Is the contamination from groundwater or soil vapor solely emanating from property other than the site subject to the present application?	○	◉
8. 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? If yes, attach relevant supporting documentation.	○	◉
9. Are there any lands under water? If yes, these lands should be clearly delineated on the site map.	○	◉
10. Has the property been the subject of or included in a previous BCP application? If yes, please provide the DEC site number: _____	○	◉
11. Is the site currently listed on the Registry of Inactive Hazardous Waste Disposal Sites (Class 2, 3, or 4) or identified as a Potential Site (Class P)? If yes, please provide the DEC site number: _____ Class: ___	○	◉
12. Are there any easements or existing rights-of-way that would preclude remediation in these areas? If yes, identify each here and attach appropriate information. Easement/Right-of-Way Holder — Description SEE ATTACHMENT 1D	◉	○
13. List of permits issued by the DEC or USEPA relating to the proposed site (describe below or attach appropriate information): Type — Issuing Agency — Description	○	◉
14. Property Description and Environmental Assessment – please refer to the application instructions for the proper format of each narrative requested. Are the Property Description and Environmental Assessment narratives included in the prescribed format? **Attachment 1E**	◉	○

Note: Questions 15 through 17 below pertain ONLY to proposed sites located within the five counties comprising New York City.

	Y	N
15. Is the Requestor seeking a determination that the site is eligible for tangible property tax credits? If yes, Requestor must answer the Supplemental Questions for Sites Seeking Tangible Property Credits Located in New York City ONLY on pages 11-13 of this form.	◉	○
16. Is the Requestor now, or will the Requestor in the future, seek a determination that the property is Upside Down?	○	◉
17. If you have answered *YES* to Question 16 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?	○	○

NOTE: If a tangible property tax credit determination is not being requested at the time of application, the applicant may seek this determination at any time before issuance of a Certificate of Completion by using the BCP Amendment Application, except for sites seeking eligibility under the underutilized category.

If any changes to Section I are required prior to application approval, a new page, initialed by each Requestor, must be submitted with the application revisions.
Initials of each Requestor:

_____ _____ _____ _____ _____ _____

SECTION II: Project Description

1. The project will be starting at: ◉ Investigation ○ Remediation

NOTE: If the project is proposed to start at the remediation stage, at a minimum, a Remedial Investigation Report (RIR) must be included, resulting in a 30-day public comment period. If an Alternatives Analysis and Remedial Action Work Plan (RAWP) are also included (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, does it meet the requirements in ECL Article 27-1415(2)?

○ Yes ○ No ◉ N/A

3. Have any draft work plans been submitted with the application (select all that apply)?

☑ RIWP ☐ RAWP ☐ IRM ☐ No

4. Please provide a short description of the overall project development, including the date that the remedial program is to begin, and the date by which a Certificate of Completion is expected to be issued.
Is this information attached? ◉ Yes ○ No **See Attachment 2A**

SECTION III: Land Use Factors

1. What is the property's current municipal zoning designation? residential (R7-2) with a commerical (C2-4) overlay

2. What uses are allowed by the property's current zoning (select all that apply)?

Residential ☑ Commercial ☑ Industrial ☐

3. Current use (select all that apply):

Residential ☐ Commercial ☐ Industrial ☐ Recreational ☐ Vacant ☑

	Y	N
4. Please provide 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 by which the site became vacant. SEE ATTACHMENT 3A Is this summary included with the application?	◉	○
5. Reasonably anticipated post-remediation use (check all that apply): Residential ☑ Commercial ☑ Industrial ☐ If residential, does it qualify as single-family housing? ○ N/A	○	◉
6. Please provide a statement detailing the specific proposed post-remediation use. Is this summary attached? **See Attachment 3A**	◉	○
7. Is the proposed post-remediation use a renewable energy facility? See application instructions for additional information.	○	◉
8. Do current and/or recent development patterns support the proposed use?	◉	○
9. Is the proposed use consistent with applicable zoning laws/maps? Please provide a brief explanation and additional documentation if necessary.	◉	○
10. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, or other adopted land use plans? Please provide a brief explanation and additional documentation if necessary.	◉	○

SECTION IV: Property's Environmental History

All applications **must include** an Investigation Report (per ECL 27-1407(1)). The report must be sufficient to establish that contamination of environmental media exists on the site above applicable Standards, Criteria and Guidance (SCGs) based on the reasonably anticipated use of the site property and that the site requires remediation. To the extent that existing information/studies/reports are available to the requestor, please attach the following (***please submit 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). Please do NOT submit paper copies of ANY supporting documents.** **See Attachment 4A for summary**
2. **SAMPLING DATA: INDICATE (BY SELECTING THE OPTIONS BELOW) KNOWN CONTAMINANTS AND THE MEDIA WHICH ARE KNOWN TO HAVE BEEN AFFECTED. DATA SUMMARY TABLES SHOULD BE INCLUDED AS AN ATTACHMENT, WITH LABORATORY REPORTS REFERENCED AND INCLUDED.** **See Attachment 4B**

CONTAMINANT CATEGORY	SOIL	GROUNDWATER	SOIL GAS
Petroleum	☐	☐	☑
Chlorinated Solvents	☐	☐	☑
Other VOCs	☐	☐	☑
SVOCs	☑	☑	☐
Metals	☑	☑	☐
Pesticides	☐	☐	☐
PCBs	☐	☐	☐
PFAS	☐	☑	☐
1,4-dioxane	☐	☐	☐
Other – indicated below	☐	☐	☐

*Please describe other known contaminants and the media affected:

3. For each impacted medium above, include a site drawing indicating:
   - Sample location
   - Date of sampling event
   - Key contaminants and concentration detected
   - For soil, highlight exceedances of reasonably anticipated use
   - For groundwater, highlight exceedances of 6 NYCRR part 703.5
   - For soil gas/soil vapor/indoor air, refer to the NYS Department of Health matrix and highlight exceedances that require mitigation

These drawings are to be representative of all data being relied upon to determine if the site requires remediation under the BCP. Drawings should be no larger than 11"x17" and should only be provided electronically. These drawings should be prepared in accordance with any guidance provided.

Are the required drawings included with this application? **See Attachment 4C** ◉ YES ○ NO

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: Historical uses of the property included a railroad yard, a coal yard, a contractor's storage/ supply yard, a likely dry cleaner, an auto wrecker, and an "iron and steel" company.

Included with this application are the 2018 Phase I Screening Summary prepared by EBC, the 2019 Limited Phase II Investigation prepared by EBC, the 2021 RIR prepared by BEC, and associated lab reports as separate files.

SECTION V: Requestor Information			
NAME Waterfront Living II LLC			
ADDRESS 48 Bakertown Road, Suite 500			
CITY/TOWN Monroe, NY		ZIP CODE 10950	
PHONE 845-774-1109	EMAIL jsofer@madisonrealties.com		

	Y	N
1. Is the requestor authorized to conduct business in New York State (NYS)?	◉	○
2. If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS DOS 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 with this application to document that that requestor is authorized to conduct business in NYS. Is this attached? **See Attachment 5A**	◉	○
3. If the requestor is an LLC, the names of the members/owners need to be provided on a separate attachment. Is this attached? **See Attachment 5B**	◉	○
4. Individuals that will be certifying BCP documents, as well as their employers, must 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. Do all individuals that will be certifying documents meet these requirements? **Documents that are not properly certified will not be approved under the BCP.**	◉	○

SECTION VI: Requestor Eligibility		
If answering "yes" to any of the following questions, please provide appropriate explanation and/or documentation as an attachment.		
	Y	N
1. Are any enforcement actions pending against the requestor regarding this site?	○	◉
2. Is the requestor subject to an existing order for the investigation, removal or remediation of contamination at the site?	○	◉
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.	○	◉
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 or regulation of the State or Federal government?	○	◉
5. Has the requestor previously been denied entry to the BCP? If so, please provide the site name, address, assigned DEC site number, the reason for denial, and any other relevant information regarding the denied application.	○	◉
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?	○	◉

SECTION VI: Requestor Eligibility (CONTINUTED)

	Y	N
7. Has the requestor been convicted of a criminal offence (i) involving the handling, storing, treating, disposing or transporting or contaminants; or (ii) that involved 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?	○	◉
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 a false statement in connection with any document or application submitted to DEC?	○	◉
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?	○	◉
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?	○	◉
11. Are there any unregistered bulk storage tanks on-site which require registration?	○	◉

12. 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 selecting this option, 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; and, (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.**

13. If the requestor is a volunteer, is a statement describing why the requestor should be considered a volunteer attached?

Yes ◉ No ○ N/A ○ **See Attachment 6A**

SECTION VI: Requestor Eligibility (CONTINUTED)

14. Requestor relationship to the property (check one; if multiple applicants, check all that apply):

☐ Previous Owner ☑ Current Owner ☐ Potential/Future Purchaser ☐ Other: _____

If the requestor is not the current owner, **proof of site access sufficient to complete remediation must be provided.** 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 environmental easement on the site.

Is this proof attached? ◯ Yes ◯ No N/A

Note: A purchase contract or lease agreement does not suffice as proof of site access.

SECTION VII: Requestor Contact Information

REQUESTOR'S REPRESENTATIVE Jacob Sofer		
ADDRESS 48 Bakertown Road, Suite 500		
CITY Monroe, NY		ZIP CODE 10950
PHONE 845-774-1109	EMAIL jsofer@madisonrealties.com	
REQUESTOR'S CONSULTANT (CONTACT NAME) David Winslow		
COMPANY GZA GeoEnvironmental of New York		
ADDRESS 55 Lane Road		
CITY Fairfield, NJ		ZIP CODE 07004
PHONE 973-774-3307	EMAIL david.winslow@gza.com	
REQUESTOR'S ATTORNEY (CONTACT NAME) George Duke		
COMPANY Brown Duke & Fogel, P.C.		
ADDRESS 350 Fifth Avenue, Suite 4640		
CITY New York, NY		ZIP CODE 10118
PHONE 646-915-0236	EMAIL gduke@bdflegal.com	

SECTION VIII: Program Fee		
Upon submission of an executed Brownfield Cleanup Agreement to the Department, the requestor is required to pay a non-refundable program fee of $50,000. Requestors may apply for a fee waiver based on demonstration of financial hardship.		
	Y	**N**
1. Is the requestor applying for a fee waiver based on demonstration of financial hardship?	○	◉
2. If yes, appropriate documentation to demonstrate financial hardship must be provided with the application. See application instructions for additional information. Is the appropriate documentation included with this application?	○	○

SECTION IX: Current Property Owner and Operator Information		
CURRENT OWNER Waterfront Living II LLC		
CONTACT NAME Jacob Sofer		
ADDRESS 48 Bakertown Road, Suite 500		
CITY Monroe, NY		ZIP CODE 10950
PHONE 845-774-1109	EMAIL jsofer@madisonrealties.com	
OWNERSHIP START DATE 7/27/21		
CURRENT OPERATOR N/A - vacant		
CONTACT NAME		
ADDRESS		
CITY		ZIP CODE
PHONE	EMAIL	
OPERATION START DATE		

See Attachment 9A for list of previous site operators and owners

SECTION X: Property Eligibility Information		
	Y	**N**
1. Is/was the property, or any portion of the property, listed on the National Priorities List? If yes, please provide additional information.	○	◉
2. Is/was the property, or any portion of the property, listed on the NYS Registry of Inactive Hazardous Waste Disposal Site pursuant to ECL 27-1305? If yes, please provide the DEC site number: _____ Class: _____	○	◉

SECTION X: Property Eligibility Information (continued)		
	Y	**N**
3. Is/was the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? 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? If yes, attach any available information related to previous owners or operators of the facility or property and their financial viability, including any bankruptcy filings and corporate dissolution documents. N/A ◉	○	○
5. Is the property subject to a cleanup order under Navigation Law Article 12 or ECL Article 17 Title 10? If yes, please provide the order number: _____	○	◉
6. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? If yes, please provide additional information.	○	◉

SECTION XI: Site Contact List

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 mailing addresses of the following:

- The chief executive officer and planning board chairperson of each county, city, town and village in which the property is located.
- Residents, owners, and occupants of the property and adjacent properties.
- Local news media from which the community typically obtains information.
- The public water supplier which services the area in which the property is located.
- Any person who has requested to be placed on the contact list.
- The administrator of any school or day care facility located on or near the property.
- 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.

See Attachments 11A & 11B

SECTION XII: 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 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 Manager (title) of Waterfront Living II LLC (entity); that I am authorized by that entity to make this application and execute a Brownfield Cleanup Agreement (BCA) and all subsequent documents; that this application was prepared by me or under my supervision and direction. 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 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: 06/14/2022 Signature: _____

Print Name: Jacob Soter

SUBMITTAL INFORMATION

- Two (2) copies, one unbound paper copy of the application form with original signatures and table of contents, and one complete electronic copy in final, non-fillable 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, 11th Floor
  Albany, NY 12233-7020

PLEASE DO NOT SUBMIT PAPER COPIES OF SUPPORTING DOCUMENTS. Please provide a hard copy of ONLY the application form and a table of contents.

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

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 13

Please respond to the questions below and provide additional information and/or documentation as required.	**Y**	**N**
1. Is the property located in Bronx, Kings, New York, Queens or Richmond County?	◉	○
2. Is the requestor seeking a determination that the site is eligible for the tangible property credit component of the brownfield redevelopment tax credit?	◉	○
3. Is at least 50% of the site area located within an environmental zone pursuant to NYS Tax Law 21(b)(6)?	◉	○
4. Is the property upside down or underutilized as defined below?		
Upside down	○	◉
Underutilized	○	◉

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.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

5. 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*
   *Selecting this option 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' household's 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 homeowners 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.

FOR SITES SEEKING TANGIBLE PROPERTY CREDITS IN NEW YORK CITY ONLY (continued)

6. Is the site a planned renewable energy facility site as defined below?

   ○ Yes – planned renewable energy facility site

   ◉ No – not a planned renewable energy facility site

   If yes, please provide any documentation available to demonstrate that the property is planned to be developed as a renewable energy facility site.

From ECL 27-1405(33) as of April 9, 2022:

"Renewable energy facility site" shall mean real property (a) this is used for a renewable energy system, as defined in section sixty-six-p of the public service law; or (b) any co-located system storing energy generated from such a renewable energy system prior to delivering it to the bulk transmission, sub-transmission, or distribution system.

From Public Service Law Article 4 Section 66-p as of April 23, 2021:

(b) "renewable energy systems" means systems that generate electricity or thermal energy through use of the following technologies: solar thermal, photovoltaics, on land and offshore wind, hydroelectric, geothermal electric, geothermal ground source heat, tidal energy, wave energy, ocean thermal, and fuel cells which do not utilize a fossil fuel resource in the process of generating electricity.

7. Is the site located within a disadvantaged community, within a designated Brownfield Opportunity Area, and meets the conformance determinations pursuant to subdivision ten of section nine-hundred-seventy-r of the general municipal law?

   ◉ Yes

   ○ No

From ECL 75-0111 as of April 9, 2022:

(5) "Disadvantaged communities" means communities that bear the burdens of negative public health effects, environmental pollution, impacts of climate change, and possess certain socioeconomic criteria, or comprise high-concentrations of low- and moderate-income households, as identified pursuant to section 75-0111 of this article.

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BCP APPLICATION SUMMARY (FOR DEC USE ONLY)			
SITE NAME 188 East 135th Street Redevelopment Site	SITE ADDRESS 188 East 135th Street		
CITY New York City	COUNTY Bronx		ZIP 10451
REQUESTOR NAME Waterfront Living II LLC	REQUESTOR ADDRESS 48 Bakertown Road, Suite 500		
CITY Monroe, NY	ZIP 10950	EMAIL jsofer@madisonrealties.com	

PROPERTY ADDRESS	SECTION	BLOCK	LOT
188 East 135th Street		2323	13

REQUESTOR'S REPRESENTATIVE			
NAME Jacob Sofer	ADDRESS 48 Bakertown Road, Suite 500		
CITY Monroe, NY	ZIP 10950	EMAIL jsofer@madisonrealties.com	
REQUESTOR'S ATTORNEY			
NAME George Duke	ADDRESS 350 Fifth Avenue, Suite 4640		
CITY New York, NY	ZIP 10118	EMAIL gduke@bdflegal.com	
REQUESTOR'S CONSULTANT			
NAME David Winslow	ADDRESS 55 Lane Road		
CITY Fairfield, NJ	ZIP 07004	EMAIL david.winslow@gza.com	

REQUESTOR'S REQUESTED STATUS	PARTICIPANT ☐	VOLUNTEER ☑
DEC DETERMINATION	AGREE	DISAGREE

APPLIED FOR FEE WAIVER	YES ○	NO ◉
ELIGIBLE FOR FEE WAIVER	YES	NO

PERCENTAGE WITHIN AN EN-ZONE	0% ○	<50% ○	50-99% ○	100% ◉
DEC DETERMINATION	AGREE		DISAGREE	

BCP APPLICATION SUMMARY (FOR DEC USE ONLY) (CONTINUED)		
FOR SITES IN NEW YORK CITY ONLY		
IS THE REQUESTOR SEEKING TANGIBLE PROPERTY CREDITS?	YES ◉	NO ○

UPSIDE DOWN	YES ○	NO ○
DEC DETERMINATION	AGREE	DISAGREE

UNDERUTILIZED	YES ○	NO ○
DEC DETERMINATION	AGREE	DISAGREE

AFFORDABLE HOUSING STATUS	PLANNED ○	YES ○	NO ○
DEC DETERMINATION		AGREE	DISAGREE

DISADVANTAGED COMMUNITY AND CONFORMING BOA	YES ◉	NO ○
DEC DETERMINATION	AGREE	DISAGREE

RENEWABLE ENERGY FACILITY SITE	YES ○	NO ○
DEC DETERMINATION	AGREE	DISAGREE

NOTES:

ATTACHMENT 1A – TAX MAP

NYC Finance

NYC Digital Tax Map

Effective Date : 05-02-2013 09:30:58
End Date : 02-02-2022 09:09:44

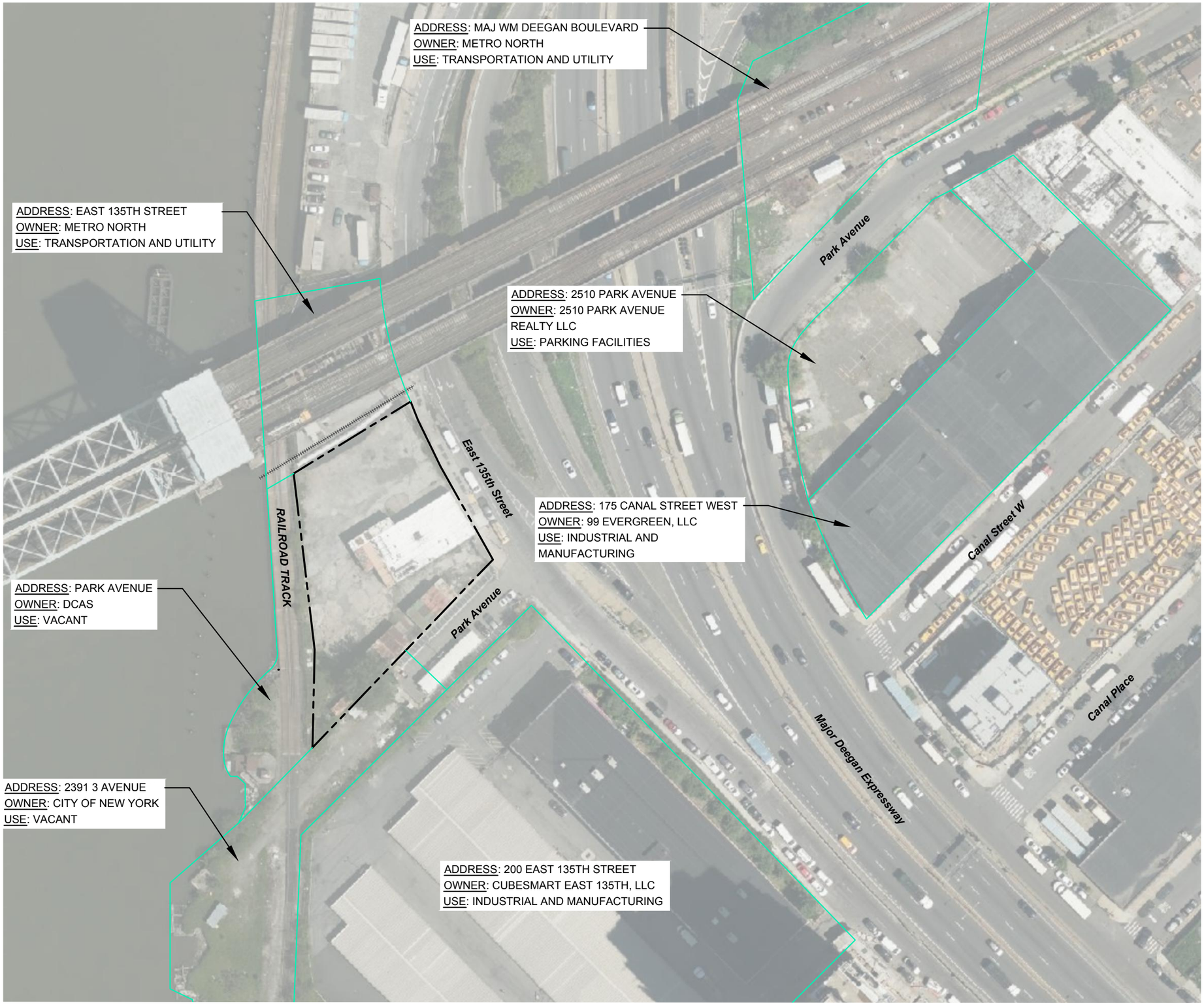
Bronx Block: 2323

Legend

- Streets
- Miscellaneous Text
- Possession Hooks
- Boundary Lines
- Lot Face Possession Hooks
- Regular
- Underwater
- Tax Lot Polygon
- Condo Number
- Tax Block Polygon

0 15 30 60 90 120 Feet

ATTACHMENT 1B – SITE AND TOPOGRAPHIC MAP



KEY:

SITE PROPERTY BOUNDARY

NOTES:

1. AERIAL ORTHOPHOTOGRAPY SOURCED FROM BING MAPS DATED 2022.
2. BEC = BRUSEE ENVIRONMENTAL CORP (MILLER, NY).
3. LINEWORK PROVIDED BY BEC SITE SAMPLING LOCATIONS, FIGURE 5.

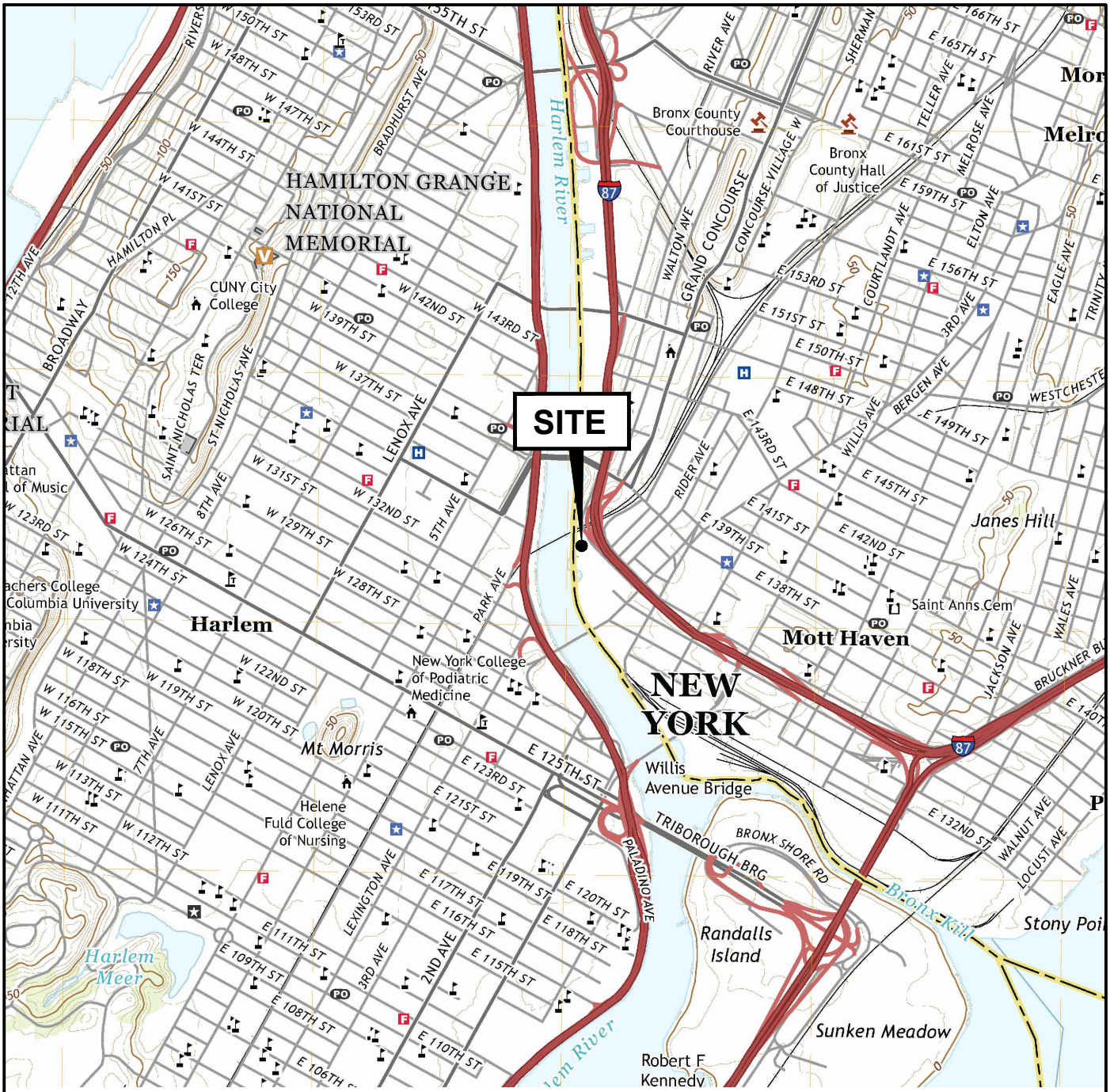
N
W E
S

0 15' 30' 60'
SCALE IN FEET

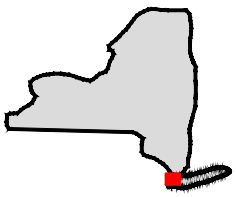
188 EAST 135TH STREET REDEVELOPMENT SITE
BRONX, NEW YORK

ADJACENT PROPERTY USE AND OWNER INFORMATION

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: WATERFRONT LIVING II LLC	
PROJ MGR: MH	REVIEWED BY: RL	CHECKED BY: MH	FIGURE 1b
DESIGNED BY: RL	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: APRIL 2022	PROJECT NO. 12.0077272.10	REVISION NO.	SHEET NO.



NEW YORK



QUADRANGLE LOCATION

SOURCE:

BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:
CENTRAL PARK, NY-NJ (2019)

DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.

CONTOUR ELEVATIONS REFERENCE NAVD 88,
CONTOURS ARE SHOWN IN FEET AT 10' INTERVALS

N
W E
S

188 EAST 135TH STREET REDEVELOPMENT SITE
BRONX, NEW YORK

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
WATERFRONT LIVING II LLC

SITE LOCATION MAP

PROJ MGR: MH	REVIEWED BY: RL	CHECKED BY: MH	FIGURE 1
DESIGNED BY: MT	DRAWN BY: MT	SCALE: 1" = 2,000'	
DATE: APRIL 2022	PROJECT NO. 12.0077272.10	REVISION NO.	SHEET NO.

ATTACHMENT 1C – EN-ZONE MAP

GENERAL NOTES

1. BASE MAP DEVELOPED FROM MICROSOFT CORPORATION 2022.
2. GREEN SHADING REPRESENTS THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION EN-ZONE BOUNDARY (2013).
3. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF THE SURROUNDING AREA IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.

LEGEND

APPROXIMATE SITE BOUNDARY

N
W E
S

0 125 250 500
SCALE IN FEET

FID	Shape *	OBJECTID	FIPS	County_FIP	Geography	County	UnempRate	NYS_UR	Pov_Rate	CountyPR	CountyRate	Criteria_B	Both_AB	Criteria_A	Type	Shape_Leng	Shape_Area	EnZoneType
2399	Polygon	2400	36005006300	36005	Census Tract 63	Bronx County	13.8	11.5	31.7	29.8	59.6			Y	YA	0.059781	0.000113	A

NO.	ISSUE/DESCRIPTION	BY	DATE

188 EAST 135TH STREET
BRONX, NY 10451

EN-ZONE MAP

PREPARED BY:
GZA GeoEnvironmental, INC.
Engineers and Scientists
www.gza.com

PREPARED FOR:
SUCCESS ACADEMY CHARTER SCHOOLS
95 PINE STREET, 6TH FLOOR
NEW YORK, NY 10005

PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIGURE
DESIGNED BY: RM	DRAWN BY: MKM	SCALE: AS NOTED	1C
DATE: JUNE 2022	PROJECT NO. 12.0077272.00	REVISION NO. -	SHEET NO.

ATTACHMENT 1D – EASEMENTS

EASEMENTS AND RIGHT-OF WAYS

TUNNEL EASEMENT

Holder: The New York & Harlem Railroad Company and The New York Central and Hudson River Railroad Company, railroad corporations respectively organized and existing under the laws of the State of New York.

Description: Easement for subway tunnel under Park Avenue. Easement location depicted on tax map and Site survey.

SEWER EASEMENT

Holder: The City of New York a municipal corporation of the State of New York.

Description: Easement for sewer line traversing underneath Site. Easement location depicted on tax map and Site survey.

ATTACHMENT 1E – PROPERTY DESCRIPTION AND ENVIRONMENTAL ASSESSMENT

14. PROPERTY DESCRIPTION AND ENVIRONMENTAL ASSESSMENT

LOCATION

The Site is located at 188 East 135th Street in the Mott Haven neighborhood of Bronx, NY and is identified as Block 2323, Lot 13 on the New York City Tax Map. The Site is partially overgrown with tall weeds, small trees, and shrubbery along the perimeter of the Site and through cracks in the asphalt. A sewer line traverses the southern portion of the Site, and a subway tunnel is located underneath Park Avenue and a portion of the southern section of the Site.

SITE FEATURES

The property is approximately 25,464 square-feet (SF) and is currently developed with a vacant, 6,500 SF single-story building located on the east-central portion of the parcel with the building's front entrance facing East 135th Street to the north. The remainder of the Site consists of asphalt-paved parking lot and a small unpaved yard area.

CURRENT ZONING AND LAND USE

The Site is currently inactive and current zoning designation is residential (R7-2) with a commercial (C2-4) overlay. The proposed use of the new building is consistent with existing zoning for the property. The surrounding properties are generally industrial and commercial in usage or are vacant land. An evaluation of the United States Geological Survey (USGS) 7-½ Minute Topographic Map containing the property did not indicate any sensitive receptors located within a 0.125-mile radius of the Site other than the Harlem River. According to the United States Fish & Wildlife Service (FWS)'s National Wetland Inventory web application (https://www.fws.gov/program/national-wetlands-inventory) the Harlem River is classified as an estuarine and deep water habitat (E1UBL).

PAST USE OF THE SITE

Historic uses of the property included a railroad yard, a coal yard, a contractor's storage/supply yard, a likely dry cleaner, an auto wrecker, and an "iron and steel" company. The Site was developed with a rail spur associated the adjacent elevated railroad tracks by at least 1891. The rail spur was removed by 1908 and the Site remained undeveloped until 1923, when it was developed with the existing one-story commercial building, occupied by a pipe cutter. By the mid-1930s, northern and western portions were developed with several small one-story structures identified as a coal yard. By 1944, a truck scale was installed adjacent to the pipe cutting building. The coal company buildings were demolished between 1951 and 1968 and the pipe cutters building occupied by an auto wrecker. A small storage shed is also located north of the auto wrecker building. City directories indicated the Site was occupied by a "iron and steel" company in the early 1960s. By the late-1970s, the Site was occupied by a moving and storage company from until at least 2010. The Site was listed in the city directories as being occupied by Emerald Dry Cleaning in 2000. Several trucks operated by Emerald Dry Cleaners were observed in the yard areas of the Site during a 2018 Site inspection; however, the building was not accessible at the time of the inspection and the nature of Emerald's operations could not be confirmed.

SITE GEOLOGY AND HYDROGEOLOGY

The bedrock in this area of the Bronx is Inwood marble of early Cambrian to lower Ordovician age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene-aged variable texture, typically poorly sorted till materials deposited by glacial-fluvial activity. Subsurface soils at the Site consist primarily of brown, dark brown and gray/brown silt-sand mixtures with brick fragments, gravel and pockets of crushed rock to depths as great as nine feet below grade. Deeper soils from approximately 6 to 10 feet below grade consisted primarily of brown and dark brown silt-sand mixtures

with gravel and rock. Groundwater at the Site was encountered at approximately eight to nine feet below ground surface (bgs) and likely flows generally to the west towards the Harlem River.

ENVIRONMENTAL ASSESSMENT

Based on investigations conducted to date, the primary contaminants of concern for the Site include lead in soil and volatile organic compounds (VOCs) in soil vapor (specifically tetrachloroethene [PCE] and methyl ethyl ketone [MEK]).

Soil

Contaminated soil/fill was identified throughout the Site to a depth up to at least 10 ft bgs. Contaminants including semivolatile organic compounds (SVOCs) (mostly polycyclic aromatic hydrocarbons [PAHs]) and metals were detected in soil samples at concentrations exceeding the Restricted Residential Soil Cleanup Objectives (RRSCOs) throughout the Site. With the exception of lead, exceedances were generally less than one order of magnitude above the RRSCO. Elevated lead concentrations (>2,000 mg/kg) were detected at several soil sample locations. Based on these results, further investigation to delineate and further evaluate lead concentrations in soil is warranted.

Groundwater

Groundwater impacts are generally related to background conditions at the Site or are naturally occurring. Contaminants detected in groundwater above applicable Ambient Water Quality Standards (AWQS) generally included metals (antimony, iron, lead, magnesium, manganese, and sodium). PAHs (maximum concentration of 0.64 µg/L) and other metals (arsenic, beryllium, cadmium, chromium, copper, nickel, and thallium) were detected in one groundwater sample from a temporary well point (20MW2) in the northeast corner of the Site. Lead was detected at a concentration of 876 µg/L at this location.

Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were detected in the three groundwater samples (20MW1 to 20MW3) exceeding the NYSDEC Draft PFAS guidance values of 6.7 ng/L and 2.7 ng/L, respectively.

Soil Vapor

VOCs were detected in soil vapor and one sub-slab sample. Concentrations of petroleum-related VOCs (benzene, toluene, ethyl benzene, and xylenes [BTEX]) ranged from 16.5 µg/m^3 (20SV3) to 57.71 µg/m^3 (SS1). Concentrations of chlorinated VOCs (cVOCs) ranged from 1.11 µg/m^3 (SV2) to 488.6 µg/m^3 (20SV2). PCE was detected in one soil vapor sample (20SV2) at a concentration of 487 µg/m^3. Total VOCs in soil vapor ranged from 280.93 µg/m^3 (SS1) to 9,640.91 µg/m^3 (20SV2).

Concentrations of VOCs in the sub-slab sample were below the lowest sub-slab vapor matrix concentration provided in the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in New York State, October 2006 (updated May 2017). NYSDOH only provides guidance values for sub-slab and indoor air samples collected concurrently. The potential need to include vapor mitigation as part of building construction will be discussed in the future Remedial Action Work Plan (RAWP).

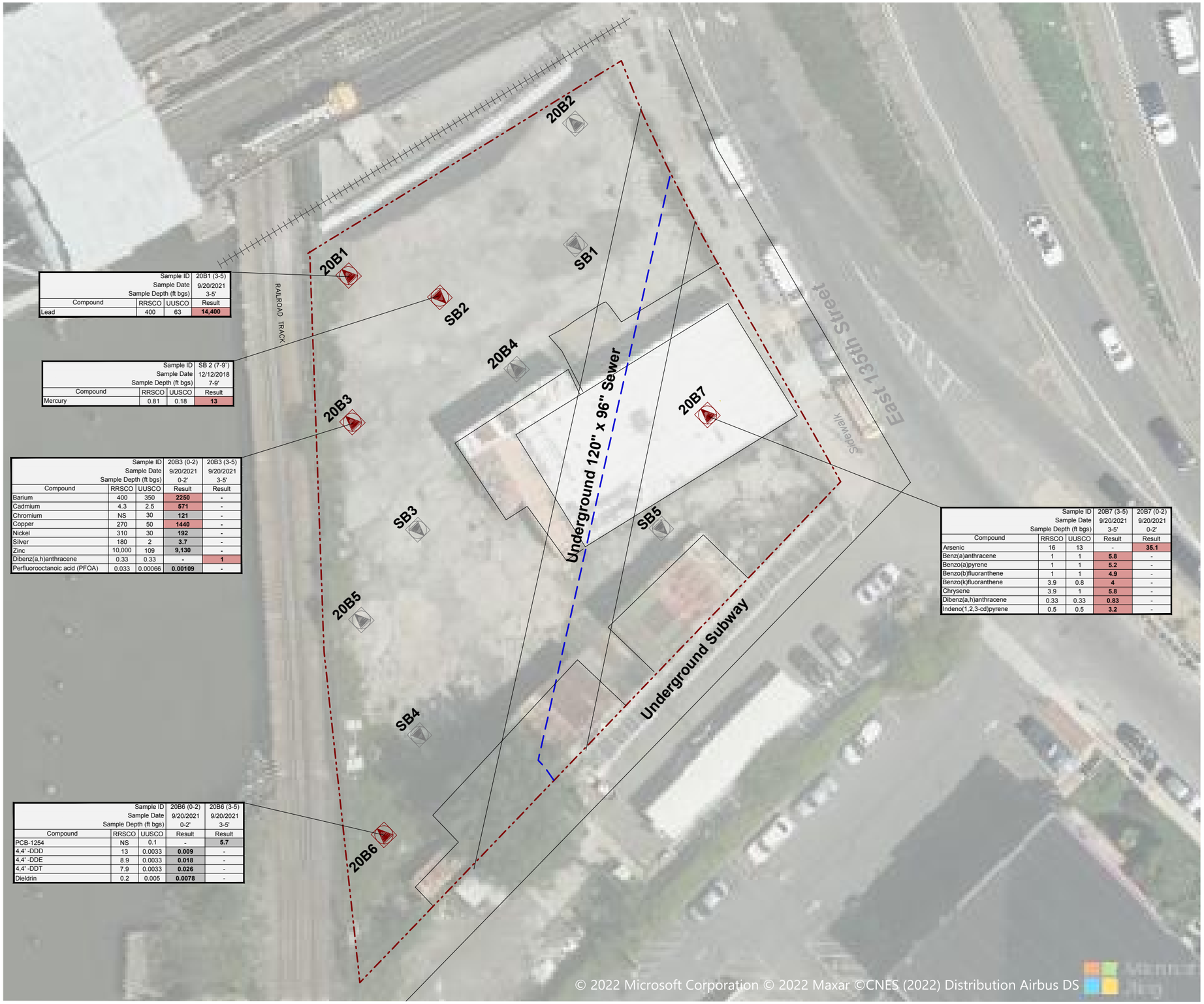
Summary of Environmental Conditions

Exhibit 1 of this attachment depicts the “hot spot” locations in soil where the greatest exceedances of each respective contaminant were detected. The primary PAHs and metals of concern, their respective maximum concentrations compared to the RRSCOs, and depth of exceedances are summarized in the following table:

Contaminants of Concern	RRSCO (mg/kg)	Maximum Concentration (mg/kg)	Depth of RRSCO Exceedances (Range, ft bgs)
Benz(a)anthracene	1.0	5.8	0-12’
Benzo(a)pyrene	1.0	5.2	0-12’
Benzo(b)fluoranthene	1.0	4.9	0-12’
Benzo(k)fluoranthene	3.9	4	3-5’
Chrysene	3.9	5.8	3-5’
Dibenz(a,h)anthracene	0.33	1	0-12’
Indeno(1,2,3-cd)pyrene	0.5	3.2	0-12’
Arsenic	16	35.1	0-5’
Barium	400	2,250	0-5’
Cadmium	4.3	571	0-5’
Copper	270	1,440	0-12’
Lead	400	14,400	0-12’
Mercury	0.81	13	0-12’

EXHIBIT 1

Hot Spot Location Map



	Sample ID	20B1 (3-5)
	Sample Date	9/20/2021
	Sample Depth (ft bgs)	3-5'
Compound	RRSCO / UUSCO	Result
Lead	400 / 63	**14,400**

	Sample ID	SB 2 (7-9')
	Sample Date	12/12/2018
	Sample Depth (ft bgs)	7-9'
Compound	RRSCO / UUSCO	Result
Mercury	0.81 / 0.18	**13**

	Sample ID	20B3 (0-2)	20B3 (3-5)
	Sample Date	9/20/2021	9/20/2021
	Sample Depth (ft bgs)	0-2'	3-5'
Compound	RRSCO / UUSCO	Result	Result
Barium	400 / 350	**2250**	-
Cadmium	4.3 / 2.5	**571**	-
Chromium	NS / 30	**121**	-
Copper	270 / 50	**1440**	-
Nickel	310 / 30	**192**	-
Silver	180 / 2	**3.7**	-
Zinc	10,000 / 109	**9,130**	-
Dibenz(a,h)anthracene	0.33 / 0.33	-	**1**
Perfluorooctanoic acid (PFOA)	0.033 / 0.00066	**0.00109**	-

	Sample ID	20B7 (3-5)	20B7 (0-2)
	Sample Date	9/20/2021	9/20/2021
	Sample Depth (ft bgs)	3-5'	0-2'
Compound	RRSCO / UUSCO	Result	Result
Arsenic	16 / 13	-	**35.1**
Benz(a)anthracene	1 / 1	**5.8**	-
Benzo(a)pyrene	1 / 1	**5.2**	-
Benzo(b)fluoranthene	1 / 1	**4.9**	-
Benzo(k)fluoranthene	3.9 / 0.8	**4**	-
Chrysene	3.9 / 1	**5.8**	-
Dibenz(a,h)anthracene	0.33 / 0.33	**0.83**	-
Indeno(1,2,3-cd)pyrene	0.5 / 0.5	**3.2**	-

	Sample ID	20B6 (0-2)	20B6 (3-5)
	Sample Date	9/20/2021	9/20/2021
	Sample Depth (ft bgs)	0-2'	3-5'
Compound	RRSCO / UUSCO	Result	Result
PCB-1254	NS / 0.1	-	**5.7**
4,4' -DDD	13 / 0.0033	**0.009**	-
4,4' -DDE	8.9 / 0.0033	**0.018**	-
4,4' -DDT	7.9 / 0.0033	**0.026**	-
Dieldrin	0.2 / 0.005	**0.0078**	-

KEY:

- PROPERTY BOUNDARY
- HOT SPOT LOCATION IN SOIL
- 2018/2021 SOIL BORING LOCATION
- 0.44 — EXCEEDS THE UUSCO
- 2,070 — EXCEEDS THE RRSCO
- NS — NO STANDARD
- \- — NOT APPLICABLE

NOTE:

1. AERIAL ORTHOPHOTOGRAPY SOURCED FROM BING MAPS DATED 2022.
2. EBC = ENVIRONMENTAL BUSINESS CONSULTANTS (RIDGE, NY).
3. BEC = BRUSEE ENVIRONMENTAL CORP (MILLER, NY).
4. LINEWORK PROVIDED BY BEC SITE SAMPLING LOCATIONS, FIGURE 5.
5. UUSCO / RRSCO = UNRESTRICTED USE SOIL CLEANUP OBJECTIVES / RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES TAKEN FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS (DECEMBER 2006). UUSCO FOR PFAS TAKEN FROM NYSDEC JUNE 2021 PFAS GUIDANCE.
6. CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (MG/KG).
7. ONLY MAXIMUM CONTAMINANT CONCENTRATIONS DETECTED IN SOIL ARE SHOWN.

Compound	RRSCO mg/kg	UUSCO mg/kg
Arsenic	16	13
Barium	400	350
Cadmium	4.3	2.5
Chromium	NS	30
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Silver	180	2
Zinc	10,000	109
Benz(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenz(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
PCB-1254	NS	0.1
4,4' -DDD	13	0.0033
4,4' -DDE	8.9	0.0033
4,4' -DDT	7.9	0.0033
Dieldrin	0.2	0.005
Perfluorooctanoic acid (PFOA)	0.033	0.00066

N / W / E / S

0 15' 30' 60'

SCALE IN FEET

188 EAST 135TH STREET REDEVELOPMENT SITE
BRONX, NEW YORK

HOT SPOT LOCATIONS IN SOIL

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
WATERFRONT LIVING II LLC

PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: RL	EXHIBIT 1
DESIGNED BY: RL	DRAWN BY: MT	SCALE: 1" = 30'	
DATE: JUNE 2022	PROJECT NO. 12.0077272.10	REVISION NO.	SHEET NO.

ATTACHMENT 2A – PROJECT DEVELOPMENT

4. DESCRIPTION OF DEVELOPMENT PROJECT

The redevelopment project consists of constructing a new 11-story mixed use (residential and commercial) building at the Site. The new building will consist of a 16,308 square-foot (SF) irregular-shaped slab-on-grade foundation constructed on the east side of the Site (along East 135th Street). The first and second floors will have a 16,308 SF footprint and the remaining floors will have an 8,700 SF footprint. Narrow side yard areas will be present along Park Avenue on the east side of the Site and along Metro North's Harlem River Railroad Bridge on the north side of the Site. A rear yard area consisting of a 40-foot wide shore public walkway will be located on the west side of the Site between the Harlem River and the railroad tracks.

The first floor will include a 6,400.24 SF retail space, 2,763.88 SF residential lobby, 2,528.98 SF recreation space, 2,631.57 SF mechanical room, and 1,983.33 SF parking entry with ramp leading to the second-floor parking garage. The second floor will consist of a parking garage for 53 vehicles, a bicycle storage area, elevator shafts, a stairwell and a ramp which will slope towards the main entrance/exit at the northeast corner of the Site. The remaining floors will consist of 8,700 SF of residential space divided into 11 apartments on each level.

The proposed building's slab-on-grade foundation will be constructed one to three feet above sidewalk grade. The foundation for the slab on grade building will consist of pile caps which will require excavation for each pile cap to depths varying between five and six ft below grade, and grade beams between the pile caps which will require excavation to approximately four feet below grade. Piles will also be installed along both sides of the sewer that runs across the middle of the Site, and excavation for the pile caps on either side of the sewer will be excavated to approximately 15 feet below grade. Excavation above the sewer to a depth of 10 feet will then be performed to install deep grade beams that will span over the sewer and connect the pile caps installed on either side of the sewer. Additional excavation to a depth of approximately five feet below grade will be performed for the elevator pit. Gravel, recycled concrete aggregate (RCA), and/or soil will then be imported to backfill around the pile caps, grade beams, and to raise grade to construct the building slab one to three ft above sidewalk grade.

The side yards to be constructed along both sides of the building and the rear shore public walkway to be constructed behind the rear of the building may require limited excavation (up to two feet) to install a cover system comprised of an asphalt paved walkway and precast paver walkway, and a layer of two feet of imported clean soil installed above a demarcation barrier.

The current zoning designation is residential (R7-2) with a commercial (C2-4) overlay. The proposed use of the new building is consistent with existing zoning for the property. The water table is present at a depth of approximately eight to nine feet below grade and dewatering will likely be required.

An estimated project schedule is as follows:

August 2022	Execution of Brownfield Cleanup Agreement
September 2022	Implementation of Remedial Investigation Work Plan
November 2022	Submit Remedial Investigation Report/Remedial Action Work Plan
April 2023	Approval of Remedial Investigation Report/Remedial Action Work Plan
May 2023	Implementation of Remedial Action Work Plan/Start of Construction

May 2025	Completion of Building Construction
July 2025	Submission of Final Engineering Report
December 2025	Certificate of Completion

ATTACHMENT 3A – LAND USE FACTORS

4. CURRENT BUSINESS OPERATIONS/USES

The Site and existing 6,500 SF building have been vacant since the Site was purchased on July 27, 2021.

6. PROPOSED POST-REMEDIATION USE

The redevelopment project consists of constructing a new 11-story mixed use (residential and commercial) building at the Site. Narrow side yard areas will be present along Park Avenue on the east side of the Site and along Metro North's Harlem River Railroad Bridge on the north side of the Site. A rear yard area consisting of a 40-foot wide shore public walkway will be located on the west side of the Site between the Harlem River and the railroad tracks.

The first floor will include a 6,400.24 SF retail space, 2,763.88 SF residential lobby, 2,528.98 SF recreation space, 2,631.57 SF mechanical room, and 1,983.33 SF parking entry with ramp leading to the second-floor parking garage. The second floor will consist of a parking garage for 53 vehicles, a bicycle storage area, elevator shafts, a stairwell and a ramp which will slope towards the main entrance/exit at the northeast corner of the Site. The remaining floors will consist of 8,700 SF of residential space divided into 11 apartments on each level.

9. CONSISTENCY WITH ZONING

The Site is currently zoned within the residential (R7-2) with a commercial (C2-4) overlay district, allowing for both residential and commercial development. Accordingly, the proposed post-remediation use is consistent with the applicable zoning.

10. CONSISTENCY WITH LAND USE PLANS

The Site is in the "Special Harlem River Waterfront District" which is designed to:

- maintain and reestablish physical and visual public access to and along the waterfront;
- create a lively and attractive built environment that will provide amenities and services for the use and enjoyment of area residents, workers and visitors;
- promote the pedestrian orientation of ground floor uses in appropriate locations, and thus safeguard a traditional quality of higher density areas of the City;
- encourage well-designed development that complements the built character of the neighborhood;
- take advantage of the Harlem River waterfront and provide an open space network comprised of parks, public open space and public access areas;
- provide flexibility of architectural design within limits established to assure adequate access of light and air to streets and public access areas, and thus encourage more attractive and economic building forms;

- enhance neighborhood economic diversity by broadening the range of housing choices for residents at varied incomes;

- encourage investment in mixed residential and industrial neighborhoods by permitting expansion and new development of a wide variety of uses in a manner that will safeguard the health and safety of people using the area; and

- promote the most desirable use of land and building development in accordance with the District Plan for the Harlem River waterfront and thus conserve the value of land and buildings and thereby protect City tax revenues.

To address these goals the redevelopment project includes the construction of a 40-foot wide (6,442 SF) shore public walkway on the west side of the Site. A voluntary public access area (2,547 SF) is located on the south side of the Site along Park Avenue.

ATTACHMENT 4A – PROPERTY'S ENVIRONMENTAL HISTORY

1.0 PREVIOUS SITE INVESTIGATIONS

1.1 PHASE I ENVIRONMENTAL SCREENING REPORT, JANUARY 2018

The 2018 Phase I identified several RECs and other environmental concerns related to the historic use of the property, including a railroad yard, a coal yard, a contractor's storage/supply yard, its likely use as a dry cleaner[1], and the historic industrial use of the surrounding properties. Other site uses/operations included an auto wrecker and an "iron and steel company." The Phase I indicated the property was assigned an E-designation (E-227) for Hazmat and Noise during the Lower Concourse Rezoning and Related Actions completed by the City in June 2009 (CEQR 08DCP071X).

1.2 LIMITED PHASE II INVESTIGATION REPORT, JANUARY 2019

In December 2018, EBC performed a limited Phase II subsurface investigation to evaluate the RECs identified during its January 2018 Phase I. The results of the investigation were documented within a January 2019 Limited Phase II Investigation Report. EBC performed the following activities:

- Advancement of five soil borings (SB1 to SB5) and collection of five soil samples for chemical analyses (volatile organic compounds [VOCs], semi-volatile organic compounds [SVOCs], and total metals).
- Installation of three temporary groundwater monitoring wells (GW1 to GW3) and collection of three groundwater samples for chemical analysis (VOCs only).
- Collection of two sub-surface soil vapor samples (SV1 and SV2) and one sub-slab soil vapor sample (SS1) from beneath the central portion of the Site building for VOC chemical analysis.

During the 2018 Phase II subsurface investigation, depth to groundwater ranged from approximately 10 to 12 ft bgs. Soils consisted generally of brown to black silty sand, with fill material (concrete, brick, and asphalt) extending to a depth of 10 ft bgs. At borings SB3 and SB5, some clay and silty clay were present at depths below 8 to 10 ft.

Results of the soil sampling are summarized as follows:

- SVOCs, including benzo(a)anthracene (3.4 mg/kg), benzo(a)pyrene (3.2 mg/kg), benzo(b)fluoranthene (3.0 mg/kg), benzo(k)fluoranthene (2.7 mg/kg), chrysene (3.4 mg/kg), dibenz(a,h)anthracene (0.72 mg/kg), and indeno(1,2,3-cd)pyrene (2.1 mg/kg), were detected above their respective Unrestricted Use Soil Cleanup Objectives (UUSCOs) at a depth of 10 to 12 ft bgs at soil boring location SB1. Of these SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3- cd)pyrene also exceeded their respective Restricted Residential Soil Cleanup Objectives (RRSCOs).
- Metals, including arsenic (maximum [max.] concentration 15.8 mg/kg), cadmium (max. concentration 3.44 mg/kg), chromium (max. concentration 46.4 mg/kg), copper (max. concentration 308 mg/kg), lead (max. concentration 959 mg/kg), mercury (max. concentration 13 mg/kg), and zinc (max. concentration 877 mg/kg), were detected above their

[1] The Phase I indicates the Site address (188 East 135th Street) was listed in the city directories as being occupied by Emerald Dry Cleaning in 2000. Several trucks operated by Emerald Dry Cleaners were observed in the yard areas of the Site during the 2018 Site inspection; however, the building was not accessible at the time of the inspection and the nature of Emerald's operations could not be confirmed.

respective UUSCOs at soil boring locations SB1 (10 to 12 ft bgs), SB2 (7 to 9 ft bgs), SB3 (7 to 9 ft bgs), and SB4 (8 to 10 ft bgs). Of these metals, copper, lead, and mercury also exceeded the respective RRSCOs.

- Concentrations of VOCs were non-detect (ND) or detected below the applicable SCOs in all five soil samples.
- All contaminant concentrations were ND or detected below the applicable SCOs in soil sample SB5 (8 to 10 ft bgs).

Findings of the groundwater sampling are summarized as follows:

- Concentrations of VOCs were ND or were detected below the applicable Ambient Water Quality Standards (AWQS) in all three groundwater samples.

Findings of the soil vapor sampling are summarized as follows:

- Concentrations of petroleum-related VOCs (benzene, toluene, ethyl benzene, and xylenes [BTEX]) ranged from 29.45 µg/m^3 (SV2) to 57.71 µg/m^3 (SS1).
- Concentrations of chlorinated VOCs (cVOCs) ranged from 1.11 µg/m^3 (SV2) to 6.41 µg/m^3 (SS1).
- Total VOCs ranged from 280.93 µg/m^3 (SS1) to 606.62 µg/m^3 (SV1).
- Concentrations of VOCs in the sub-slab sample were below the lowest sub-slab vapor matrix concentration provided in the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in New York State, October 2006 (updated May 2017).

1.3 REMEDIAL INVESTIGATION REPORT, NOVEMBER 2021

In September and October 2021, BEC performed a RI designed to collect additional soil data in preparation of the proposed Site redevelopment. The findings of September 2021 investigation were reported in the November 2021 RIR. BEC performed the following activities:

- Site inspection to identify areas of concern (AOCs) and physical obstructions (i.e., structures, buildings, etc.).
- Completion of a geophysical survey at the Site via ground penetrating radar (GPR).
- Advancement of seven soil borings (20B1 to 20B7) and collection of 15 soil samples (including one field duplicate at 20B7) for chemical analyses (VOCs, SVOCs, total metals, pesticides, polychlorinated biphenyls [PCBs], and 1,4-dioxane). Soil samples were collected from two depths: 0 to 2 ft bgs (surface samples) and 3 to 5 ft bgs (representative of the excavation depth required for pile caps for the proposed redevelopment). BEC also collected groundwater and soil vapor samples during the RI. Soil sample 20SB3 (0 to 2 ft bgs) was additionally analyzed for per- and polyfluoroalkyl substances (PFAS).
- Installation of four temporary groundwater monitoring wells (20MW1 to 20MW4) and collection of five groundwater samples (including one field duplicate at 20MW4) for chemical analyses (VOCs, SVOCs, total and dissolved metals, pesticides, and PCBs). Groundwater samples 20MW1 to 20MW3 were additionally analyzed for PFAS and 1,4-dioxane.
- Collection of five sub-surface soil vapor samples (20SV1 and 20SV5) and one sub-slab soil gas sample (20SV1) from beneath the vacant Site building, for VOC analysis.

During the 2021 RI depth to groundwater ranged from approximately 8 to 9 ft bgs. Regional groundwater flow is expected to be towards the west in the direction of the Harlem River which is located approximately 20 ft to the west of the Site. The stratigraphy of the Site generally consisted of brown, dark brown and gray/brown silt-sand mixtures with brick fragments, gravel and pockets of crushed rock to 9 ft bgs, followed by brown to dark brown sandy silt with some gravel.

Findings of the soil sampling are summarized as follows:

- SVOCs, including benzo(a)anthracene (max. concentration 5.8 mg/kg), benzo(a)pyrene (max. concentration 5.2 mg/kg), benzo(b)fluoranthene (max. concentration 4.9 mg/kg), benzo(k)fluoranthene (max concentration 4.0 mg/kg), chrysene (max. concentration 5.8 mg/kg), dibenz(a,h)anthracene (max. concentration 1.0 mg/kg), and indeno(1,2,3-cd)pyrene (max. concentration 3.2 mg/kg), were detected above their respective RRSCOs and/or UUSCOs at most soil sample locations collected from both the surface (0 to 2 ft bgs) and deeper interval (3 to 5 ft bgs).

- Benzene was detected at 0.14 mg/kg in soil sample 20B6 (3 to 5 ft bgs), which exceeds the applicable UUSCO but is below the RRSCO. No other VOCs were detected above UUSCOs or RRSCOs.

- Metals, including arsenic (max. concentration 35.1 mg/kg), barium (max. concentration 2,250 mg/kg), cadmium (max. concentration 571 mg/kg), chromium (max. concentration 138 mg/kg), copper (max. concentration 1,440 mg/kg), lead (max. concentration 14,400 mg/kg), mercury (max. concentration 8.05 mg/kg), nickel (max. concentration 192 mg/kg), silver (max. concentration 3.7 mg/kg), and zinc (max. concentration 9,130 mg/kg), were detected above their respective RRSCOs and/or UUSCOs at most soil sample locations collected from both the surface (0 to 2 ft bgs) and deeper interval (3 to 5 ft bgs).

- Elevated concentrations of lead (>2,000 mg/kg) were identified in soil samples 20B1 (3 to 5 ft bgs; 14,400 mg/kg), 20B3 (0 to 2 ft bgs; 6,530 mg/kg), 20B4 (0 to 2 ft bgs; 2,070 mg/kg), 20B5 (0 to 2 ft bgs; 6,970 mg/kg), and 20B7 (0 to 2 ft bgs; 3,360 mg/kg).

- PCB-1254 was detected at concentrations above the applicable UUSCO in soil samples 20B3 (0 to 2 ft bgs; 4.7 mg/kg), 20B6 (3 to 5 ft bgs; 5.7 mg/kg), and 20B5 (0 to 2 ft bgs; 1.9 mg/kg).

- Pesticides, including 4,4'-DDD (0.009 mg/kg), 4,4'-DDE (0.018 mg/kg), 4,4'-DDT (0.026 mg/kg), and dieldrin (0.0078 mg/kg), were detected above the respective UUSCOs in soil sample 20B6 (0 to 2 ft bgs).

- Concentrations of 1,4-dioxane were ND in the 15 soil samples.

- Six PFAS compounds were detected in soil sample 20SB3 (0 to 2 ft bgs), totaling 9.027 nanograms per gram (ng/g). These detections included perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), for which guidance values exist in the June 2021 PFAS guidance. PFOA was detected in soil sample 20SB3 (0-2') at 1.09 ng/g, which exceeds the Unrestricted Use guidance value of 0.66 ng/g. PFOS was detected in soil sample 20SB3 (0-2') at 0.524 ng/g, which is lower than the guidance value.

Findings of the groundwater sampling are summarized as follows:

- SVOCs, including benzo(a)anthracene (0.49 ug/L), benzo(a)pyrene (0.64 ug/L), benzo(b)fluoranthene (0.57 ug/L), benzo(k)fluoranthene (0.49 ug/L), chrysene (0.49 ug/L), and indeno(1,2,3-cd)pyrene (0.64 ug/L), were detected above the applicable AWQS in groundwater sample 20MW2.

- VOC concentrations were ND or were detected below the applicable AWQS in all five groundwater samples.

- Total/dissolved metals, including antimony (max. concentration 10.6 ug/L), arsenic (max. concentration 33 ug/L), beryllium (max. concentration 11 ug/L), cadmium (max. concentration 8 ug/L), chromium (max. concentration 191 ug/L), copper (max. concentration 358 ug/L), iron (max. concentration 203,000 ug/L), lead (max. concentration 876 ug/L), magnesium (max. concentration 87,700 ug/L), manganese (max. concentration 7,540 ug/L), nickel (max. concentration 165 ug/L), sodium (max. concentration 369,000 ug/L), and thallium (max. concentration 2 ug/L), were detected above the applicable AWQS in most of the groundwater samples collected.

- Pesticide concentrations were ND in all five groundwater samples.

- PCB concentrations were ND in all five groundwater samples.

- 1,4-dioxane concentrations were ND in groundwater samples 20MW to 20MW3.

- PFOA and PFAS were detected in the three groundwater samples (20MW1 to 20MW3) exceeding the PFAS guidance value of 10 ng/L. No other PFAS compounds were detected above the guidance value of 100 ng/L and the total PFAS concentration was below the screening level of 500 ng/L.

Findings of the soil vapor sampling are summarized as follows:

- Concentrations of petroleum-related VOCs (BTEX) ranged from 16.5 µg/m^3 (20SV3) to 41.53 µg/m^3 (20SV1).

- Concentrations of cVOCs ranged from 2.75 µg/m^3 (20SV1) to 488.6 µg/m^3 (20SV2). Concentrations of PCE detected in 20SV2 (487 µg/m^3) were above the NYSDOH air guideline value of 100 µg/m^3.

- Total concentrations of VOCs ranged from 3,252.3 µg/m^3 (20SV4) to 9,640.91 µg/m^3 (20SV2).

- Concentrations of methylene chloride and TCE were ND or were detected below the NYSDOH air guideline values.

1.4 SUMMARY OF PREVIOUS INVESTIGATIONS

Contaminated soils were identified throughout the Site to a depth up to 10 ft bgs. Native soils at the Site below 10 ft bgs were not specifically described or characterized by EBC or BEC in 2018/2021. Contaminants, including SVOCs and metals, were detected in soil samples at concentrations exceeding the RRSCOs and/or UUSCOs at the sample locations on the Site. Elevated lead concentrations (>2,000 mg/kg) were detected at several soil sample locations during the 2021 RI. Based on these results, further investigation to delineate and further evaluate lead concentrations in soil is warranted.

Contaminants were also identified in the 2018/2021 groundwater and soil vapor samples. VOCs were detected in soil vapor and the sub-slab sample. NYSDOH only provides guidance values for sub-slab and indoor air samples collected concurrently. The potential need to include vapor mitigation as part of building construction will be discussed in the future Remedial Action Work Plan (RAWP). GZA does not propose further investigation of groundwater or soil vapor at the Site.

ATTACHMENT 4B – DATA TABLES

Attachment 4B - Table 1a
Soil Data Summary Table (RRSCO)

188 East 135th Street Redevelopment Site
Bronx, New York

Analytes >RRSCO	Detections >RRSCO	Max. Detection (ppm)	RRSCO (ppm)
Metals			
Arsenic	4	35.1	16
Barium	5	2,250	400
Cadmium	3	571	4.3
Copper	3	1,440	270
Lead	9	14,400	400
Mercury	9	13	0.81
Volatile Organic Compounds			
No detections >RRSCO.			
Semivolatile Organic Compounds			
Benz(a)anthracene	9	5.8	1.0
Benzo(a)pyrene	10	5.2	1.0
Benzo(b)fluoranthene	10	4.9	1.0
Benzo(k)fluoranthene	1	4	3.9
Chrysene	2	5.8	3.9
Dibenz(a,h)anthracene	9	1	0.33
Indeno(1,2,3-cd)pyrene	10	3.2	0.5
Polychlorinated Biphenyls			
No detections >RRSCO.			
Pesticides			
No detections >RRSCO.			
Emerging Contaminants			
No detections >RRSCO.			

Notes:

1. ppm = parts per million (mg/kg)

2. RRSCO = Restricted Residential Use Soil Cleanup Criterion (6 NYCRR Part 375) or Restricted Residential Use PFAS Soil Guidance Value (June 2021)

Prepared by RL 06/07/2022

Attachment 4B - 1b
Soil Data Summary Table (UUSCO)

188 East 135th Street Redevelopment Site
Bronx, New York

Analytes >UUSCO	Detections >UUSCO	Max. Detection (ppm)	UUSCO (ppm)
Metals			
Arsenic	5	35.1	13
Barium	5	2,250	350
Cadmium	6	571	2.5
Chromium	8	121	30
Copper	11	1,440	50
Lead	16	14,400	63
Mercury	18	13	0.18
Nickel	5	192	30
Silver	2	3.7	2
Zinc	15	9,130	109
Volatile Organic Compounds			
Benzene	1	0.14	0.06
Semivolatile Organic Compounds			
Benz(a)anthracene	9	5.8	1.0
Benzo(a)pyrene	10	5.2	1.0
Benzo(b)fluoranthene	10	4.9	1.0
Benzo(k)fluoranthene	10	4	0.8
Chrysene	10	5.8	1.0
Dibenz(a,h)anthracene	9	1	0.33
Indeno(1,2,3-cd)pyrene	10	3.2	0.5
Polychlorinated Biphenyls			
PCB-1254	3	5.7	0.1
Pesticides			
4,4' -DDD	1	0.009	0.0033
4,4' -DDE	1	0.018	0.0033
4,4' -DDT	1	0.026	0.0033
Dieldrin	1	0.0078	0.005
Emerging Contaminants			
PFOA	1	0.00109	0.00066

Notes:

1. ppm = parts per million (mg/kg)
2. UUSCO = Unrestricted Use Soil Cleanup Criterion (6 NYCRR Part 375) or Unrestricted Use PFAS Soil Guidance Value (June 2021)
3. PFOA = Perfluorooctanoic acid

Prepared by RL 06/07/2022

Attachment 4B - Table 1c
Groundwater Data Summary Table

188 East 135th Street Redevelopment Site
Bronx, New York

Analytes >AWQS	Detections >AWQS	Max. Detection (ppb)	AWQS (ppb)
Metals			
Antimony (Total)	0	**2.9**	3
Antimony (Dissolved)	2	**10.6**	3
Arsenic (Total)	1	33	25
Arsenic (Dissolved)	0	6	25
Beryllium (Total)	1	11	3
Beryllium (Dissolved)	0	ND	3
Cadmium (Total)	1	8	5
Cadmium (Dissolved)	0	ND	5
Chromium (Total)	1	191	50
Chromium (Dissolved)	0	ND	50
Copper (Total)	1	358	200
Copper (Dissolved)	0	4	200
Iron (Total)	5	203,000	300
Iron (Dissolved)	0	220	300
Lead (Total)	2	876	25
Lead (Dissolved)	0	4	25
Magnesium (Total)	5	87,700	35,000
Magnesium (Dissolved)	3	40,600	35,000
Manganese (Total)	5	7540	300
Manganese (Dissolved)	4	1670	300
Nickel (Total)	1	165	100
Nickel (Dissolved)	0	4	100
Sodium (Total)	5	369,000	20,000
Sodium (Dissolved)	5	361,000	20,000
Thallium (Total)	1	2	0.5
Thallium (Dissolved)	0	ND	0.5
Volatile Organic Compounds			
No detections >AWQS.			
Semivolatile Organic Compounds			
Benz(a)anthracene	1	0.49	0.002
Benzo(b)fluoranthene	1	0.57	0.002
Benzo(k)fluoranthene	1	0.49	0.002
Chrysene	1	0.49	0.002
Indeno(1,2,3-cd)pyrene	1	0.64	0.002
Polychlorinated Biphenyls			
No detections >AWQS.			
Pesticides			
No detections >AWQS.			
Emerging Contaminants			
PFOA	3	0.0353	0.0067
PFOS	3	0.0255	0.0027

Notes:

1. ppb = parts per billion (ug/L)
2. AWQS = Class GA Ambient Water Quality Standards or Draft Water Quality Guidance Values for Emerging Contaminants.
3. ND = Not Detected
4. PFOA = Perfluorooctanoic acid
5. PFOS = Perfluorooctanesulfonic acid

Prepared by RL 06/07/2022

Attachment 4B - Table 1d
Sub-slab Soil Gas & Soil Vapor Data Summary Table

188 East 135th Street Redevelopment Site
Bronx, New York

Analytes	Total Detections	Max. Detection (ug/m3)	Type
Chlorinated Volatile Organic Compounds			
1,1,1-Trichloroethane	1	6	Soil Vapor
Bromodichloromethane	1	6.13	Soil Vapor
Carbon Tetrachloride	1	0.33	SSSG
Chloroform	1	149	Soil Vapor
Dichlorodifluoromethane	5	9.79	Soil Vapor & SSSG
Methylene Chloride	2	64.9	Soil Vapor
Tetrachloroethene	8	487	Soil Vapor & SSSG
Trichloroethene	3	2.74	Soil Vapor & SSSG
Trichlorofluoromethane	3	11.1	Soil Vapor & SSSG
Vinyl Chloride	1	0.49	Soil Vapor

Notes:
1. ug/m3 = micrograms per meter cubed
2. SSSG = Sub-slab soil gas

Prepared by RL 06/07/2022

Attachment 4B - Table 2a
Soil Sampling Results (2018-2021) - Metals

188 East 135th Street Redevelopment Site
Bronx, New York

Sample ID			SB 1 (10-12`)	SB 2 (7-9`)	SB 3 (7-9`)	SB 4 (8-10`)	SB 5 (8-10`)	20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)	20B3 (3-5)	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	**Number of Samples Exceeding the Respective UUSCO**	**Number of Samples Exceeding the Respective RRSCO**
Sample Depth (ft bgs)			10-12	7-9	7-9	8-10	8-10	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
Collection Date			12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
Compound	**RRSCO**	**UUSCO**																						
Aluminum	NS	NS	**5,850**	**9,320**	**9,190**	**9,910**	**12,400**	**9,160**	**10,600**	**8,870**	**8,190**	**9,050**	**8,370**	**10,500**	**19,900**	**6,560**	**9,150**	**7,120**	**8,730**	**6,540**	**6,860**	**9,240**	NA	NA
Antimony	NS	NS	**15.1**	< 4.0	< 3.7	< 3.8	< 3.7	< 3.2	< 4.0	< 3.7	< 3.5	**96.4**	< 4.1	< 3.3	< 3.4	< 3.5	< 3.5	**44**	< 3.4	< 3.5	< 3.3	< 4.0	NA	NA
Arsenic	16	13	**15.8**	**8.39**	**8.23**	**5.21**	**2.64**	**2.45**	< 0.80	**3.2**	**5.36**	**23.6**	**22**	**2.91**	**1.25**	**4.27**	**7.58**	**23.6**	**6.27**	**35.1**	**9.49**	**6.14**	5	4
Barium	400	350	**168**	**285**	**203**	**71.1**	**27.3**	**69.1**	**6.8**	**56.7**	**461**	**2,250**	**343**	**62.5**	**96.5**	**200**	**1,540**	**1,330**	**139**	**451**	**147**	**132**	5	5
Beryllium	72	7.2	**0.44**	**0.52**	**0.56**	**0.49**	**0.53**	**0.34**	**0.55**	< 0.30	< 0.28	< 0.32	**0.39**	**0.53**	**0.8**	**0.39**	**0.37**	**0.33**	**0.42**	**0.95**	**0.47**	**0.45**	0	0
Cadmium	4.3	2.5	**3.44**	**2.61**	**0.9**	**0.43**	< 0.37	**1.05**	**0.59**	**0.9**	**2.14**	**571**	**2.4**	**0.34**	< 0.34	**0.9**	**2.58**	**67.9**	**0.49**	**7.71**	**2.12**	**0.49**	6	3
Calcium	NS	NS	**48,200**	**44,500**	**6,280**	**1,540**	**7,670**	**166,000**	**227,000**	**13,900**	**45,500**	**32,200**	**15,000**	**46,200**	**26,500**	**32,500**	**23,800**	**26,200**	**7,310**	**48,800**	**14,500**	**6,720**	NA	NA
Chromium	NS	30	**46.3**	**23.2**	**34.8**	**17.4**	**17.9**	**16.3**	**14.5**	**21.5**	**21.8**	**121**	**33**	**16.4**	**35.3**	**34.2**	**26.7**	**138**	**18**	**34**	**19.4**	**18.7**	8	NA
Cobalt	NS	NS	**10.3**	**9.08**	**8.51**	**10.7**	**6.1**	**7.18**	**6.02**	**11.2**	**7.39**	**31.3**	**18.6**	**8.4**	**15.6**	**7.55**	**8.59**	**22.9**	**9.48**	**10**	**9.39**	**9.76**	NA	NA
Copper	270	50	**308**	**159**	**63.9**	**26.8**	**25.3**	**117**	**13.2**	**27.6**	**35.2**	**1,440**	**159**	**42**	**33.8**	**98.8**	**128**	**476**	**35.6**	**125**	**152**	**40**	11	3
Iron	NS	NS	**59,600**	**39,300**	**25,000**	**20,000**	**14,700**	**16,700**	**10,600**	**17,800**	**14,600**	**145,000**	**97,200**	**17,700**	**26,200**	**14,800**	**24,600**	**86,100**	**22,100**	**61,000**	**26,500**	**22,500**	NA	NA
Lead	400	63	**662**	**959**	**382**	**62.6**	**11.7**	**240**	**3.3**	**75.9**	**14,400**	**6,530**	**895**	**2,070**	**18.9**	**295**	**951**	**6,970**	**289**	**3,360**	**396**	**286**	16	9
Magnesium	NS	NS	**14,000**	**4,420**	**3,000**	**2,980**	**6,300**	**8,010**	**7,750**	**6,110**	**15,500**	**4,270**	**5,710**	**6,840**	**12,100**	**5,900**	**3,670**	**4,230**	**3,100**	**11,000**	**9,720**	**3,160**	NA	NA
Manganese	2,000	1,600	**597**	**398**	**228**	**293**	**110**	**240**	**189**	**268**	**251**	**954**	**601**	**238**	**346**	**247**	**407**	**590**	**270**	**437**	**370**	**363**	0	0
Mercury	0.81	0.18	**1.29**	**13**	**0.53**	**0.24**	**0.03**	**1.12**	**0.04**	**0.21**	**1.09**	**7.1**	**1.19**	**0.44**	**0.2**	**0.28**	**1.66**	**8.05**	**0.21**	**0.84**	**0.55**	**0.26**	18	9
Nickel	310	30	**38.3**	**18.5**	**43.2**	**16.3**	**14.4**	**13.4**	**11.7**	**19.2**	**14.4**	**192**	**28.5**	**18.5**	**28.9**	**28.5**	**23.4**	**91.4**	**16.9**	**25.7**	**54.3**	**18**	5	0
Potassium	NS	NS	**1,120**	**1,840**	**1,310**	**2,030**	**1,470**	**2,470**	**2,560**	**1,800**	**1,950**	**2,130**	**4,350**	**2,330**	**7,720**	**1,400**	**1,560**	**1,510**	**2,070**	**966**	**1,440**	**2,080**	NA	NA
Selenium	180	3.9	< 1.5	< 1.6	< 1.5	< 1.5	< 1.5	< 1.3	< 1.6	< 1.5	< 1.4	< 1.6	< 1.6	< 1.3	< 1.4	< 1.4	< 1.4	**2.1**	< 1.3	**2.5**	< 1.3	< 1.6	0	0
Silver	180	2	< 0.37	< 0.40	< 0.37	< 0.38	< 0.37	< 0.32	< 0.40	< 0.37	< 0.35	**3.7**	< 0.41	< 0.33	< 0.34	< 0.35	**0.4**	**2.38**	< 0.34	< 0.35	< 0.33	< 0.40	2	0
Sodium	NS	NS	**494**	**396**	**375**	**125**	**289**	**1,140**	**1,680**	**164**	**271**	**3,620**	**252**	**477**	**1,220**	**200**	**284**	**535**	**157**	**322**	**205**	**149**	NA	NA
Thallium	NS	NS	< 1.5	< 1.6	< 1.5	< 1.5	< 1.5	< 1.3	< 1.6	< 1.5	< 1.4	< 1.6	< 1.6	< 1.3	< 1.4	< 1.4	< 1.4	< 1.5	< 1.3	< 1.4	< 1.3	< 1.6	NA	NA
Vanadium	NS	NS	**56.3**	**25.3**	**23.5**	**26.3**	**22.5**	**17.6**	**10.5**	**28.4**	**48.8**	**633**	**46.9**	**21.7**	**57.7**	**23.6**	**55.6**	**91.3**	**24.3**	**33**	**23.9**	**24.6**	NA	NA
Zinc	10,000	109	**720**	**877**	**195**	**85.6**	**64.4**	**232**	**229**	**85**	**452**	**9,130**	**437**	**74.5**	**74.2**	**304**	**873**	**4,610**	**175**	**2,120**	**677**	**190**	15	0

Notes:

All concentrations are in milligrams per kilogram (mg/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Prepared by RL 04/19/2022
Checked by MM 04/29/2022

Attachment 4B - Table 2b
Soil Sampling Results (2018-2021) - Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

		Sample ID	SB 1 (10-12`)	SB 2 (7-9`)	SB 3 (7-9`)	SB 4 (8-10`)	SB 5 (8-10`)	20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)	20B3 (3-5)
		Sample Depth (ft bgs)	10-12	7-9	7-9	8-10	8-10	0-2	3-5	0-2	3-5	0-2	3-5
		Collection Date	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021
		Matrix	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
Compound	**RRSCO**	**UUSCO**											
1,1,1,2-Tetrachloroethane	NS	NS	<0.019	<0.0048	<0.025	<0.0057	<0.005	<0.0053	<0.0082	<0.027	<0.023	<0.028	<0.0057
1,1,1-Trichloroethane	100	0.68	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,1,2,2-Tetrachloroethane	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,1,2-Trichloroethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,1-Dichloroethane	26	0.27	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,1-Dichloroethene	100	0.33	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,1-Dichloropropene	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2,3-Trichlorobenzene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2,3-Trichloropropane	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2,4-Trichlorobenzene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2,4-Trimethylbenzene	52	4	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2-Dibromo-3-chloropropane	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2-Dibromoethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2-Dichlorobenzene	100	1	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2-Dichloroethane	3	0.02	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,2-Dichloropropane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,3,5-Trimethylbenzene	52	8	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,3-Dichlorobenzene	49	2	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,3-Dichloropropane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
1,4-Dichlorobenzene	13	2	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
2,2-Dichloropropane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
2-Chlorotoluene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
2-Hexanone	NS	NS	<0.024	<0.024	<0.031	<0.028	<0.025	<0.027	<0.041	<0.034	<0.029	<0.035	<0.029
2-Isopropyltoluene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
4-Chlorotoluene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
4-Methyl-2-pentanone	NS	NS	<0.024	<0.024	<0.031	<0.028	<0.005	<0.027	<0.041	<0.034	<0.029	<0.035	<0.029
Acetone	100	0.05	**0.0098**	**0.023**	**0.023**	**0.01**	**0.036**	<0.027	**0.01**	<0.034	<0.029	<0.035	<0.029
Acrylonitrile	NS	NS	<0.019	<0.0096	<0.013	<0.011	<0.02	<0.021	<0.016	<0.027	<0.023	<0.028	<0.023
Benzene	5	0.06	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Bromobenzene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Bromochloromethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Bromodichloromethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Bromoform	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Bromomethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Carbon Disulfide	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Carbon tetrachloride	2	0.76	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057

Prepared by RL 04/20/2022
Checked by MM 04/29/2022

Attachment 4B - Table 2b
Soil Sampling Results (2018-2021) - Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

		Sample ID	SB 1 (10-12`)	SB 2 (7-9`)	SB 3 (7-9`)	SB 4 (8-10`)	SB 5 (8-10`)	20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)	20B3 (3-5)
		Sample Depth (ft bgs)	10-12	7-9	7-9	8-10	8-10	0-2	3-5	0-2	3-5	0-2	3-5
		Collection Date	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021
		Matrix	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
Compound	**RRSCO**	**UUSCO**											
Chlorobenzene	100	1	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Chloroethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Chloroform	49	0.37	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Chloromethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
cis-1,2-Dichloroethene	100	0.25	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
cis-1,3-Dichloropropene	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Dibromochloromethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Dibromomethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Dichlorodifluoromethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Ethylbenzene	41	1	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Hexachlorobutadiene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Isopropylbenzene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
m&p-Xylene	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Methyl Ethyl Ketone	100	0.12	<0.029	<0.029	<0.038	<0.034	<0.03	<0.032	<0.049	<0.041	<0.035	<0.041	<0.034
Methyl t-butyl ether (MTBE)	100	0.93	<0.0097	<0.0096	<0.013	<0.011	<0.01	<0.011	<0.016	<0.014	<0.012	<0.014	<0.011
Methylene chloride	100	0.05	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Naphthalene	100	12	<0.32	<0.0048	**0.071**	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
n-Butylbenzene	100	12	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
n-Propylbenzene	100	4	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
o-Xylene	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
p-Isopropyltoluene	NS	NS	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
sec-Butylbenzene	100	11	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Styrene	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
tert-Butylbenzene	100	6	<0.32	<0.0048	<0.32	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Tetrachloroethene	19	1	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Tetrahydrofuran (THF)	NS	NS	<0.0097	<0.0096	<0.013	<0.011	<0.01	<0.011	<0.016	<0.014	<0.012	<0.014	<0.011
Toluene	100	0.7	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
trans-1,2-Dichloroethene	100	0.19	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
trans-1,3-Dichloropropene	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
trans-1,4-dichloro-2-butene	NS	NS	<0.64	<0.0096	<0.64	<0.011	<0.01	<0.011	<0.016	<0.014	<0.012	<0.014	<0.011
Trichloroethene	21	0.47	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Trichlorofluoromethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Trichlorotrifluoroethane	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Vinyl chloride	0.9	0.02	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Acrolein	NS	NS	<0.0048	<0.0048	<0.0063	<0.0057	<0.005	<0.0053	<0.0082	<0.0068	<0.0058	<0.0069	<0.0057
Tert-butyl alcohol	NS	NS	<0.097	<0.0096	<0.13	<0.11	<0.1	<0.11	<0.16	<0.14	<0.12	<0.14	<0.11

Notes:

All concentrations are in milligrams per kilogram (mg/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Prepared by RL 04/20/2022
Checked by MM 04/29/2022

Attachment 4B - Table 2b
Soil Sampling Results (2018-2021) - Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

		Sample ID	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	**Number of Samples Exceeding the Respective UUSCO**	**Number of Samples Exceeding the Respective RRSCO**
		Sample Depth (ft bgs)	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
		Collection Date	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
		Matrix	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		
Compound	**RRSCO**	**UUSCO**											
1,1,1,2-Tetrachloroethane	NS	NS	<0.0052	<0.018	<0.0048	<0.033	<0.024	<0.027	<0.0065	<0.018	<0.03	NA	NA
1,1,1-Trichloroethane	100	0.68	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,1,2,2-Tetrachloroethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,1,2-Trichloroethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,1-Dichloroethane	26	0.27	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,1-Dichloroethene	100	0.33	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,1-Dichloropropene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2,3-Trichlorobenzene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2,3-Trichloropropane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2,4-Trichlorobenzene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2,4-Trimethylbenzene	52	4	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2-Dibromo-3-chloropropane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2-Dibromoethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2-Dichlorobenzene	100	1	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2-Dichloroethane	3	0.02	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,2-Dichloropropane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,3,5-Trimethylbenzene	52	8	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,3-Dichlorobenzene	49	2	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,3-Dichloropropane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
1,4-Dichlorobenzene	13	2	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
2,2-Dichloropropane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
2-Chlorotoluene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
2-Hexanone	NS	NS	<0.026	<0.023	<0.024	<0.041	<0.03	<0.033	<0.032	<0.023	<0.038	0	0
2-Isopropyltoluene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
4-Chlorotoluene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
4-Methyl-2-pentanone	NS	NS	<0.026	<0.023	<0.024	<0.041	<0.03	<0.033	<0.032	<0.023	<0.038	0	0
Acetone	100	0.05	**0.0053**	<0.023	<0.024	<0.041	**0.019**	**0.026**	<0.032	<0.023	**0.035**	0	0
Acrylonitrile	NS	NS	<0.021	<0.018	<0.0097	<0.033	<0.024	<0.027	<0.013	<0.018	<0.03	0	0
Benzene	5	0.06	<0.0052	<0.0046	<0.0048	**0.14**	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	1	0
Bromobenzene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Bromochloromethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Bromodichloromethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Bromoform	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Bromomethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Carbon Disulfide	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	**0.0022**	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Carbon tetrachloride	2	0.76	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0

Attachment 4B - Table 2b
Soil Sampling Results (2018-2021) - Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

		Sample ID	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	**Number of Samples Exceeding the Respective UUSCO**	**Number of Samples Exceeding the Respective RRSCO**
		Sample Depth (ft bgs)	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
		Collection Date	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
		Matrix	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		
Compound	**RRSCO**	**UUSCO**											
Chlorobenzene	100	1	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Chloroethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Chloroform	49	0.37	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Chloromethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
cis-1,2-Dichloroethene	100	0.25	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
cis-1,3-Dichloropropene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Dibromochloromethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Dibromomethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Dichlorodifluoromethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Ethylbenzene	41	1	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Hexachlorobutadiene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Isopropylbenzene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
m&p-Xylene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Methyl Ethyl Ketone	100	0.12	<0.031	<0.027	<0.029	<0.049	<0.036	<0.04	<0.039	<0.027	<0.045	0	0
Methyl t-butyl ether (MTBE)	100	0.93	<0.01	<0.0091	<0.0097	<0.016	<0.012	<0.013	<0.013	<0.009	<0.015	0	0
Methylene chloride	100	0.05	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Naphthalene	100	12	<0.0052	<0.0046	<0.0048	**0.21**	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
n-Butylbenzene	100	12	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
n-Propylbenzene	100	4	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
o-Xylene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
p-Isopropyltoluene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
sec-Butylbenzene	100	11	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Styrene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
tert-Butylbenzene	100	6	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Tetrachloroethene	19	1	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Tetrahydrofuran (THF)	NS	NS	<0.01	<0.0091	<0.0097	<0.016	<0.012	<0.013	<0.013	<0.009	<0.015	0	0
Toluene	100	0.7	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
trans-1,2-Dichloroethene	100	0.19	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
trans-1,3-Dichloropropene	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
trans-1,4-dichloro-2-butene	NS	NS	<0.01	<0.0091	<0.0097	<0.016	<0.012	<0.013	<0.013	<0.009	<0.015	0	0
Trichloroethene	21	0.47	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Trichlorofluoromethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Trichlorotrifluoroethane	NS	NS	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Vinyl chloride	0.9	0.02	<0.0052	<0.0046	<0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Acrolein	NS	NS	<0.0052	<0.0046	0.0048	<0.0081	<0.0059	<0.0067	<0.0065	<0.0045	<0.0075	0	0
Tert-butyl alcohol	NS	NS	<0.1	<0.091	<0.097	<0.016	<0.12	<0.13	<0.13	<0.09	<0.15	0	0

Notes:

All concentrations are in milligrams per kilogram (mg/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Attachment 4B - Table 2c
Soil Sampling Results (2018-2021) - Semi-Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

Sample ID			SB 1 (10-12`)	SB 2 (7-9`)	SB 3 (7-9`)	SB 4 (8-10`)	SB 5 (8-10`)	20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)	20B3 (3-5)	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	**Number of Samples Exceeding the Respective UUSCO**	**Number of Samples Exceeding the Respective RRSCO**
Sample Depth (ft bgs)			10-12	7-9	7-9	8-10	8-10	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
Collection Date			12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
Compound	**RRSCO**	**UUSCO**																						
1,2,4,5-Tetrachlorobenzene	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
1,2,4-Trichlorobenzene	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	**0.22**	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
1,2-Dichlorobenzene	100	1.1	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	**0.66**	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	0	0
1,2-Diphenylhydrazine	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
1,3-Dichlorobenzene	49	2.4	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	0	0
1,4-Dichlorobenzene	13	1.8	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	0	0
2,4,5-Trichlorophenol	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
2,4,6-Trichlorophenol	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
2,4-Dichlorophenol	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
2,4-Dimethylphenol	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
2,4-Dinitrophenol	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
2,4-Dinitrotoluene	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
2,6-Dinitrotoluene	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
2-Chloronaphthalene	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
2-Chlorophenol	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
2-Methylnaphthalene	NS	NS	**0.25**	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	**0.29**	**0.38**	**0.19**	< 0.25	< 0.25	< 0.25	< 0.26	**0.29**	< 0.25	< 0.27	**0.38**	**0.24**	NA	NA
2-Methylphenol (o-cresol)	100	0.33	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	0	0
2-Nitroaniline	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
2-Nitrophenol	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
3&4-Methylphenol (m&p-cresol)	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
3,3'-Dichlorobenzidine	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
3-Nitroaniline	NS	NS	< 0.38	< 0.39	< 0.38	< 0.36	< 0.39	< 0.35	< 0.42	< 0.38	< 0.38	< 0.39	< 0.38	< 0.36	< 0.36	< 0.36	< 0.37	< 0.38	< 0.36	< 0.38	< 0.37	< 0.37	NA	NA
4,6-Dinitro-2-methylphenol	NS	NS	< 0.23	< 0.23	< 0.23	< 0.22	< 0.23	< 0.21	< 0.25	< 0.23	< 0.23	< 0.23	< 0.23	< 0.21	< 0.21	< 0.21	< 0.22	< 0.23	< 0.22	< 0.23	< 0.22	< 0.22	NA	NA
4-Bromophenyl phenyl ether	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
4-Chloro-3-methylphenol	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
4-Chloroaniline	NS	NS	< 0.3	< 0.31	< 0.3	< 0.29	< 0.31	< 0.28	< 0.34	< 0.3	< 0.3	< 0.31	< 0.31	< 0.28	< 0.28	< 0.29	< 0.29	< 0.3	< 0.29	< 0.3	< 0.29	< 0.29	NA	NA
4-Chlorophenyl phenyl ether	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
4-Nitroaniline	NS	NS	< 0.38	< 0.39	< 0.38	< 0.36	< 0.39	< 0.35	< 0.42	< 0.38	< 0.38	< 0.39	< 0.38	< 0.36	< 0.36	< 0.36	< 0.37	< 0.38	< 0.36	< 0.38	< 0.37	< 0.37	NA	NA
4-Nitrophenol	NS	NS	< 0.38	< 0.39	< 0.38	< 0.36	< 0.39	< 0.35	< 0.42	< 0.38	< 0.38	< 0.39	< 0.38	< 0.36	< 0.36	< 0.36	< 0.37	< 0.38	< 0.36	< 0.38	< 0.37	< 0.37	NA	NA
Acenaphthene	100	20	**0.49**	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	**0.75**	**0.13**	**0.63**	< 0.25	< 0.25	< 0.25	< 0.26	**0.26**	< 0.25	**0.19**	**1.2**	**1**	0	0
Acenaphthylene	100	100	**0.55**	< 0.27	< 0.26	< 0.25	< 0.27	**0.23**	< 0.3	< 0.26	**0.32**	**1.3**	**0.53**	< 0.25	< 0.25	< 0.25	**0.89**	**1.2**	< 0.25	**0.45**	**0.58**	< 0.26	0	0
Acetophenone	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Aniline	NS	NS	< 0.3	< 0.31	< 0.3	< 0.29	< 0.31	< 0.28	< 0.34	< 0.3	< 0.3	< 0.31	< 0.31	< 0.28	< 0.28	< 0.29	< 0.29	< 0.3	< 0.29	< 0.3	< 0.29	< 0.29	NA	NA
Anthracene	100	100	**1.5**	< 0.27	**0.14**	**0.38**	< 0.27	**0.17**	< 0.3	< 0.26	**1.4**	**0.84**	**1.5**	< 0.25	< 0.25	**0.21**	**0.44**	**1.1**	**0.15**	**0.54**	**2.3**	**1.8**	0	0
Benz(a)anthracene	1.0	1.0	**3.4**	< 0.27	**0.43**	**0.7**	< 0.27	**0.98**	< 0.3	< 0.26	**3**	**3.4**	**4.8**	**0.23**	< 0.25	**0.76**	**2**	**3.5**	**0.46**	**2.6**	**5.8**	**3.1**	9	9
Benzidine	NS	NS	< 0.38	< 0.39	< 0.38	< 0.36	< 0.39	< 0.35	< 0.42	< 0.38	< 0.38	< 0.39	< 0.38	< 0.36	< 0.36	< 0.36	< 0.37	< 0.38	< 0.36	< 0.38	< 0.37	< 0.37	NA	NA
Benzo(a)pyrene	1.0	1.0	**3.2**	< 0.19	**0.47**	**0.64**	< 0.2	**1.2**	< 0.21	< 0.19	**2.9**	**3.8**	**4.2**	**0.26**	< 0.18	**0.77**	**1.8**	**3.7**	**0.51**	**2.6**	**5.2**	**2.7**	10	10
Benzo(b)fluoranthene	1.0	1.0	**3**	< 0.27	**0.4**	**0.53**	< 0.27	**1.2**	< 0.3	< 0.26	**2.4**	**4**	**3.4**	**0.24**	< 0.25	**0.78**	**2**	**4**	**0.42**	**2.6**	**4.9**	**2.5**	10	10
Benzo(ghi)perylene	100	100	**1.8**	< 0.27	**0.33**	**0.33**	< 0.27	**0.8**	< 0.3	< 0.26	**1.6**	**2.7**	**2.8**	**0.33**	< 0.25	**0.46**	**1.4**	**2.7**	**0.43**	**1.9**	**2.7**	**1.7**	0	0
Benzo(k)fluoranthene	3.9	0.8	**2.7**	< 0.27	**0.38**	**0.5**	< 0.27	**1**	< 0.3	< 0.26	**2.3**	**3.3**	**2.8**	**0.22**	< 0.25	**0.77**	**1.8**	**3.6**	**0.47**	**2.1**	**4**	**2.1**	10	1
Benzoic acid	NS	NS	< 1.9	< 1.9	< 1.9	< 1.8	< 2	< 1.8	< 2.1	< 1.9	< 1.9	< 1.9	< 1.9	< 1.8	< 1.8	< 1.8	< 1.8	< 1.9	< 1.8	< 1.9	< 1.8	< 1.8	NA	NA
Benzyl butyl phthalate	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Bis(2-chloroethoxy)methane	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Bis(2-chloroethyl)ether	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA

Prepared by RL 04/20/2022
Checked by MM 04/29/2022

Attachment 4B - Table 2c
Soil Sampling Results (2018-2021) - Semi-Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

Sample ID			SB 1 (10-12`)	SB 2 (7-9`)	SB 3 (7-9`)	SB 4 (8-10`)	SB 5 (8-10`)	20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)	20B3 (3-5)	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	**Number of Samples Exceeding the Respective UUSCO**	**Number of Samples Exceeding the Respective RRSCO**
Sample Depth (ft bgs)			10-12	7-9	7-9	8-10	8-10	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
Collection Date			12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
Matrix			Soil	Soil	Soil	Soil	Soil	Soil	Soil	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
Compound	**RRSCO**	**UUSCO**																						
Bis(2-chloroisopropyl)ether	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Bis(2-ethylhexyl)phthalate	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	**0.22**	< 0.27	< 0.25	< 0.25	**0.17**	< 0.26	**0.58**	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Carbazole	NS	NS	**0.36**	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	**0.48**	**0.25**	**0.19**	< 0.18	< 0.18	< 0.18	**0.23**	**0.34**	< 0.18	**0.19**	**0.7**	**0.53**	NA	NA
Chrysene	3.9	1.0	**3.4**	< 0.27	**0.45**	**0.68**	< 0.27	**1.1**	< 0.3	< 0.26	**3**	**3.6**	**5.7**	**0.23**	< 0.25	**0.81**	**2.1**	**3.9**	**0.5**	**2.9**	**5.8**	**2.9**	10	2
Dibenz(a,h)anthracene	0.33	0.33	**0.72**	< 0.19	< 0.19	< 0.18	< 0.2	**0.18**	< 0.21	< 0.19	**0.38**	**0.74**	**1**	< 0.18	< 0.18	**0.13**	**0.37**	**0.64**	**0.12**	**0.52**	**0.83**	**0.41**	9	9
Dibenzofuran	59	7.0	**0.32**	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	**0.44**	**0.17**	**0.14**	< 0.25	< 0.25	< 0.25	< 0.26	**0.33**	< 0.25	**0.12**	**0.72**	**0.47**	0	0
Diethyl phthalate	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Dimethylphthalate	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Di-n-butylphthalate	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	**0.32**	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	**0.14**	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Di-n-octylphthalate	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Fluoranthene	100	100	**7**	**0.32**	**0.78**	**1.7**	< 0.27	**1.5**	< 0.3	**0.17**	**7.2**	**6.4**	**9.4**	**0.28**	< 0.25	**1.2**	**3.9**	**7.5**	**0.72**	**4.9**	**16**	**10**	0	0
Fluorene	100	30	**0.47**	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	**0.68**	**0.23**	**0.53**	< 0.25	< 0.25	< 0.25	**0.14**	**0.38**	< 0.25	**0.17**	**0.96**	**0.93**	0	0
Hexachlorobenzene	1.2	0.33	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	0.19	< 0.18	< 0.18	0	0
Hexachlorobutadiene	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Hexachlorocyclopentadiene	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Hexachloroethane	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	0.5	**2.1**	< 0.27	**0.33**	**0.36**	< 0.27	**0.91**	< 0.3	< 0.26	**1.7**	**2.8**	**2.6**	**0.3**	< 0.25	**0.49**	**1.5**	**2.8**	**0.42**	**2.1**	**3.2**	**2**	10	10
Isophorone	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
Naphthalene	100	12	**0.21**	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	**0.57**	**0.52**	**0.18**	< 0.25	< 0.25	< 0.25	**0.11**	**0.59**	< 0.25	**0.19**	**0.69**	**0.35**	0	0
Nitrobenzene	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
N-Nitrosodimethylamine	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
N-Nitrosodi-n-propylamine	NS	NS	< 0.19	< 0.19	< 0.19	< 0.18	< 0.2	< 0.18	< 0.21	< 0.19	< 0.19	< 0.19	< 0.19	< 0.18	< 0.18	< 0.18	< 0.18	< 0.19	< 0.18	< 0.19	< 0.18	< 0.18	NA	NA
N-Nitrosodiphenylamine	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Pentachloronitrobenzene	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA
Pentachlorophenol	6.7	0.8	< 0.23	< 0.23	< 0.23	< 0.22	< 0.23	< 0.21	< 0.25	< 0.23	< 0.23	< 0.23	< 0.23	< 0.21	< 0.21	< 0.21	< 0.22	< 0.23	< 0.22	< 0.23	< 0.22	< 0.22	0	0
Phenanthrene	100	100	5	**0.3**	**0.52**	**1.3**	< 0.27	**0.63**	< 0.3	**0.12**	< 9.3	**3.1**	**10**	**0.13**	< 0.25	**0.86**	**2.4**	**3**	**0.6**	**2.5**	**13**	**9.5**	0	0
Phenol	100	0.33	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	0	0
Pyrene	100	100	6.5	< 0.27	**0.74**	**1.5**	< 0.27	**1.4**	< 0.3	**0.16**	**6.7**	**5.6**	**12**	**0.26**	< 0.25	**0.99**	**2.8**	**6.4**	**0.66**	**4.4**	**14**	**6.5**	0	0
Pyridine	NS	NS	< 0.26	< 0.27	< 0.26	< 0.25	< 0.27	< 0.25	< 0.3	< 0.26	< 0.26	< 0.27	< 0.27	< 0.25	< 0.25	< 0.25	< 0.26	< 0.27	< 0.25	< 0.27	< 0.26	< 0.26	NA	NA

Notes:

All concentrations are in milligrams per kilogram (mg/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Attachment 4B - Table 2d
Soil Sampling Results (2021) - Polychlorinated Biphenyls

188 East 135th Street Redevelopment Site
Bronx, New York

Sample ID			20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)	20B3 (3-5)	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	Number of Samples Exceeding the Respective UUSCO	Number of Samples Exceeding the Respective RRSCO
Sample Depth (ft bgs)			0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
Collection Date			9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
Matrix			Soil	Soil	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	mg/kg	mg/kg		
Compound	**RRSCO**	**UUSCO**																	
PCB-1016	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA
PCB-1221	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA
PCB-1232	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA
PCB-1242	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA
PCB-1248	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA
PCB-1254	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	**4.7**	< 0.078	< 0.072	< 0.072	< 0.071	**5.7**	**1.9**	< 0.071	< 0.076	< 0.072	< 0.073	3	NA
PCB-1260	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA
PCB-1262	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA
PCB-1268	NS	0.1	< 0.071	< 0.084	< 0.076	< 0.076	< *0.39*	< 0.078	< 0.072	< 0.072	< 0.071	< *0.74*	< *0.77*	< 0.071	< 0.076	< 0.072	< 0.073	0	NA

Notes:

All concentrations are in milligrams per kilogram (mg/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
Reporting Limits (RLs) exceeding the respective SCO are italicized
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Prepared by RL 04/20/2022
Checked by MM 04/29/2022

Attachment 4B - Table 2e
Soil Sampling Results (2021) - Pesticides

188 East 135th Street Redevelopment Site
Bronx, New York

		Sample ID	20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)	20B3 (3-5)	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	**Number of Samples Exceeding the Respective UUSCO**	**Number of Samples Exceeding the Respective RRSCO**
		Sample Depth (ft bgs)	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
		Collection Date	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
		Matrix	Soil	Soil	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	mg/kg	mg/kg		
Compound	**RRSCO**	**UUSCO**																	
4,4' -DDD	13	0.0033	< 0.0021	< 0.0025	< 0.0023	< 0.0023	< *0.09*	< 0.0023	< 0.0021	< 0.0022	**0.009**	< *0.05*	< *0.45*	< 0.0021	< 0.0023	< 0.0022	< 0.0022	1	0
4,4' -DDE	8.9	0.0033	< 0.0021	< 0.0025	< 0.0023	< 0.0023	< *0.16*	< 0.0023	< 0.0021	< 0.0022	**0.018**	< *0.11*	< *0.08*	< 0.0021	< 0.0023	< 0.0022	< 0.0022	1	0
4,4' -DDT	7.9	0.0033	< 0.003	< 0.0025	< 0.0023	< 0.0023	< *0.4*	< 0.0023	< 0.0021	< 0.0022	**0.026**	< *0.5*	< *0.05*	< 0.0021	< 0.0023	< 0.0022	< 0.0022	1	0
a-BHC	0.48	0.02	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< *0.039*	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.0074	< *0.038*	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
a-Chlordane	4.2	0.094	< 0.0036	< 0.0042	< 0.0038	< 0.0038	< 0.025	< 0.0039	< 0.0036	< 0.0036	< 0.005	< *0.1*	< 0.019	< 0.0036	< 0.0038	< 0.0036	< 0.0036	0	0
Aldrin	0.097	0.005	< 0.0036	< 0.0042	< 0.0038	< 0.005	< *0.019*	< 0.0039	< 0.0036	< 0.0036	< 0.0035	< *0.0074*	< *0.019*	< 0.0036	< 0.0038	< 0.0036	< 0.0036	0	0
b-BHC	0.36	0.036	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< *0.039*	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.0074	< *0.038*	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
Chlordane	NS	NS	< 0.036	< 0.042	< 0.038	< 0.038	< 0.19	< 0.039	< 0.036	< 0.036	< 0.035	< 0.19	< 0.19	< 0.036	< 0.038	< 0.036	< 0.036	NA	NA
d-BHC	100	0.04	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.039	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.037	< 0.038	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
Dieldrin	0.2	0.005	< 0.0036	< 0.0042	< 0.0038	< 0.0038	< *0.019*	< 0.0039	< 0.0036	< 0.0036	**0.0078**	< *0.0074*	< *0.03*	< 0.0036	< 0.0038	< 0.0036	< 0.0036	1	0
Endosulfan I	24	2.4	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.039	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.037	< 0.038	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
Endosulfan II	24	2.4	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.039	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.037	< 0.038	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
Endosulfan sulfate	24	2.4	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.039	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.037	< 0.038	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
Endrin	11	0.014	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< *0.039*	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< *0.019*	< *0.038*	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
Endrin aldehyde	NS	NS	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.05	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.075	< 0.038	< 0.0071	< 0.0076	< 0.0072	< 0.0073	NA	NA
Endrin ketone	NS	NS	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.039	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.037	< 0.05	< 0.0071	< 0.0076	< 0.0072	< 0.0073	NA	NA
g-BHC	1.3	0.1	< 0.0014	< 0.0017	< 0.0015	< 0.005	< 0.0078	< 0.0016	< 0.0014	< 0.0014	< 0.0014	< 0.0074	< 0.0077	< 0.0014	< 0.0015	< 0.0014	< 0.0015	0	0
g-Chlordane	NS	NS	< 0.0036	< 0.0042	< 0.0038	< 0.0038	< 0.019	< 0.0039	< 0.0036	< 0.0036	< 0.005	< 0.019	< 0.019	< 0.0036	< 0.0038	< 0.0036	< 0.0036	NA	NA
Heptachlor	2.1	0.042	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.039	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.037	< 0.038	< 0.0071	< 0.0076	< 0.0072	< 0.0073	0	0
Heptachlor epoxide	NS	NS	< 0.0071	< 0.0084	< 0.0076	< 0.0076	< 0.039	< 0.0078	< 0.0072	< 0.0072	< 0.0071	< 0.037	< 0.038	< 0.0071	< 0.0076	< 0.0072	< 0.0073	NA	NA
Methoxychlor	NS	NS	< 0.036	< 0.042	< 0.038	< 0.038	< 0.19	< 0.039	< 0.036	< 0.036	< 0.035	< 0.19	< 0.19	< 0.036	< 0.038	< 0.036	< 0.036	NA	NA
Toxaphene	NS	NS	< 0.14	< 0.17	< 0.15	< 0.15	< 0.78	< 0.16	< 0.14	< 0.14	< 0.14	< 0.74	< 0.77	< 0.14	< 0.15	< 0.14	< 0.15	NA	NA

Notes:

All concentrations are in milligrams per kilogram (mg/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
Reporting Limits (RLs) exceeding the respective SCO are italicized
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Prepared by RL 04/20/2022
Checked by MM 04/29/2022

Attachment 4B - Table 2f
Soil Sampling Results (2018-2021) - Emerging Contaminants

188 East 135th Street Redevelopment Site
Bronx, New York

			Sample ID	SB 1 (10-12`)	SB 2 (7-9`)	SB 3 (7-9`)	SB 4 (8-10`)	SB 5 (8-10`)	20B2 (0-2)	20B2 (3-5)	20B1 (0-2)	20B1 (3-5)	20B3 (0-2)
			Sample Depth (ft bgs)	10-12	7-9	7-9	8-10	8-10	0-2	3-5	0-2	3-5	0-2
			Collection Date	12/12/2018	12/12/2018	12/12/2018	12/12/2018	12/12/2018	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
1,4-dioxane	**Units**	**RRSCO**	**UUSCO**										
1,4-dioxane	mg/kg	13	0.1	< 0.072	< 0.072	< 0.094	< 0.085	< 0.075	< 0.08	< 0.1	< 0.1	< 0.087	< 0.1
PFAS		**RR Soil Guidance Value**	**UU Soil Guidance Value**										
Perfluorobutanesulfonic acid (PFBS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluorohexanoic acid (PFHxA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	**0.000854**
Perfluoroheptanoic acid (PFHpA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	**0.000432**
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluorooctanoic acid (PFOA)	mg/kg	0.033	0.00066	-	-	-	-	-	-	-	-	-	**0.00109**
Perfluorooctanesulfonic acid (PFOS)	mg/kg	0.044	0.00088	-	-	-	-	-	-	-	-	-	**0.000524**
Perfluorononanoic acid (PFNA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluorodecanoic acid (PFDA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluoroundecanoic acid (PFUnA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluorododecanoic acid (PFDoA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluorotridecanoic acid (PFTrDA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluorotetradecanoic acid (PFTA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
N-MeFOSAA	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
N-EtFOSAA	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluoropentanoic acid (PFPeA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	**0.000367**
Perfluoro-1-octanesulfonamide (FOSA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluoro-1-heptanesulfonic acid (PFHpS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluoro-1-decanesulfonic acid (PFDS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	< 0.000274
Perfluoro-n-butanoic acid (PFBA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	**0.00576**

Notes:
Concentrations are in milligrams per kilogram (mg/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
- = Not Analyzed
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375) or Unrestricted Use PFAS Soil Guidance Value (June 2021)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375) or Restricted Residential Use PFAS Soil Guidance Value (June 2021)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Prepared by RL 04/22/2022
Checked by MM 04/29/2022
Revised by RL 06/07/2022

Attachment 4B - Table 2f
Soil Sampling Results (2018-2021) - Emerging Contaminants

188 East 135th Street Redevelopment Site
Bronx, New York

			Sample ID	20B3 (3-5)	20B4 (0-2)	20B4 (3-5)	20B6 (0-2)	20B6 (3-5)	20B5 (0-2)	20B5 (3-5)	20B7 (0-2)	20B7 (3-5)	20B7 (3-5)D	**Number of Samples Exceeding the Respective UU Criterion**	**Number of Samples Exceeding the Respective RR Criterion**
			Sample Depth (ft bgs)	3-5	0-2	3-5	0-2	3-5	0-2	3-5	0-2	3-5	3-5		
			Collection Date	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021	9/20/2021		
			Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
1,4-dioxane	**Units**	**RRSCO**	**UUSCO**												
1,4-dioxane	mg/kg	13	0.1	< 0.086	< 0.077	< 0.068	< 0.073	< 0.1	< 0.089	< 0.1	< 0.097	< 0.068	< 0.1	0	0
PFAS		**RR Soil Guidance Value**	**UU Soil Guidance Value**												
Perfluorobutanesulfonic acid (PFBS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluorohexanoic acid (PFHxA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluoroheptanoic acid (PFHpA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluorohexanesulfonic acid (PFHxS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluorooctanoic acid (PFOA)	mg/kg	0.033	0.00066	-	-	-	-	-	-	-	-	-	-	1	0
Perfluorooctanesulfonic acid (PFOS)	mg/kg	0.044	0.00088	-	-	-	-	-	-	-	-	-	-	0	0
Perfluorononanoic acid (PFNA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluorodecanoic acid (PFDA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluoroundecanoic acid (PFUnA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluorododecanoic acid (PFDoA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluorotridecanoic acid (PFTrDA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluorotetradecanoic acid (PFTA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
N-MeFOSAA	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
N-EtFOSAA	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluoropentanoic acid (PFPeA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluoro-1-octanesulfonamide (FOSA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluoro-1-heptanesulfonic acid (PFHpS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluoro-1-decanesulfonic acid (PFDS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA
Perfluoro-n-butanoic acid (PFBA)	mg/kg	NS	NS	-	-	-	-	-	-	-	-	-	-	NA	NA

Notes:
Concentrations are in milligrams per kilogram (mg/kg) or in micrograms per kilogram (ug/kg)
All depths reported as feet below ground surface (ft bgs)
Compounds not detected are reported as less than the respective reporting limit (<RL)
Compounds detected in soil are BOLDED
- = Not Analyzed
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Unrestricted Use Soil Cleanup Criterion (UUSCO) (6 NYCRR Part 375) or Unrestricted Use PFAS Soil Guidance Value (June 2021)
= Result exceeded the respective Restricted Residential Use Soil Cleanup Criterion (RRSCO) (6 NYCRR Part 375) or Restricted Residential Use PFAS Soil Guidance Value (June 2021)
= Result represents the maximum soil concentration of the respective compound detected at the Site

Prepared by RL 04/22/2022
Checked by MM 04/29/2022
Revised by RL 06/07/2022

Attachment 4B - Table 3a
Groundwater Sampling Results (2021) - Metals

188 East 135th Street Redevelopment Site
Bronx, New York

	Sample ID	20 MW 1	20 MW 2	20 MW 3	20 MW 4	20 MW 4D	Number of Samples Exceeding the Respective AWQS
	Collection Date	10/1/2021	10/1/2021	10/1/2021	10/1/2021	10/1/2021	
	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
	Unit	ug/l	ug/l	ug/l	ug/l	ug/l	
Metals, Total	**AWQS**						
Aluminum	NS	**3750**	**108000**	< 20	< 20	20	NA
Arsenic	25	**8**	**33**	**19**	**14**	**19**	1
Barium	1000	**126**	**679**	**93**	**96**	**96**	0
Beryllium	3	< 1	**11**	< 1	< 1	< 1	1
Cadmium	5	< 4	**8**	< 4	< 4	< 4	1
Calcium	NS	**108000**	**136000**	**100000**	**102000**	**104000**	NA
Chromium	50	**6**	**191**	< 1	< 1	< 1	1
Cobalt	ND	**6**	**84**	**2**	**2**	**2**	0
Copper	200	**19**	**358**	**16**	**7**	**6**	1
Iron	300	**11100**	**203000**	**5410**	**5950**	**5210**	5
Lead	25	**28**	**876**	< 2	**1**	< 2	2
Magnesium	35000	**39800**	**87700**	**43500**	**42800**	**46900**	5
Manganese	300	**1940**	**7540**	**1910**	**1930**	**2090**	5
Mercury	0.7	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0
Nickel	100	**10**	**165**	**6**	**6**	**7**	1
Potassium	NS	**21200**	**42600**	**22200**	**21800**	**23600**	NA
Antimony	3	< 3	**2.9**	< 3	< 3	< 3	0
Selenium	10	**1**	< 10	< 10	**2**	< 10	0
Silver	50	5	< 5	< 5	< 5	< 5	0
Sodium	20000	**308000**	**201000**	**350000**	**333000**	**369000**	5
Thallium	0.5	< 0.5	**2**	< 0.5	< 0.5	< 0.5	1
Vanadium	NS	**7**	**260**	< 10	< 10	**1**	NA
Zinc	5000	**43**	**1020**	**14**	**11**	**9**	0
Metals, Dissolved							
Aluminum (Dissolved)	NS	**16**	**245**	**16**	**15**	**23**	NA
Arsenic, (Dissolved)	25	**4**	**4**	**6**	**4**	**6**	0
Barium (Dissolved)	1000	**80**	**49**	**70**	**72**	**66**	0
Beryllium (Dissolved)	3	< 1	< 1	< 1	< 1	< 1	0
Cadmium (Dissolved)	5	< 4	< 4	< 4	< 4	< 4	0
Calcium (Dissolved)	NS	**97800**	**63900**	**96200**	**96200**	**96600**	NA
Chromium (Dissolved)	50	< 1	< 1	< 1	< 1	< 1	0
Cobalt, (Dissolved)	NS	**1**	**5**	**1**	**1**	**1**	0
Copper, (Dissolved)	200	**2**	**4**	**2**	**2**	**1**	0
Antimony (Dissolved)	3	**2.2**	**10.6**	**1.9**	**3.6**	**1.9**	2
Selenium (Dissolved)	10	< 2	< 2	< 2	< 2	< 2	0
Thallium (Dissolved)	0.5	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0
Iron, (Dissolved)	300	< 10	**220**	< 10	< 10	< 10	0
Lead (Dissolved)	25	< 2	**4**	**2**	< 2	**1**	0
Magnesium (Dissolved)	35000	**34400**	**28600**	**38500**	**37800**	**40600**	3
Manganese, (Dissolved)	300	**1460**	**262**	**1610**	**1540**	**1670**	4
Mercury (Dissolved)	0.7	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0
Nickel, (Dissolved)	100	**3**	**2**	**4**	**4**	**4**	0
Potassium (Dissolved)	NS	**17700**	**20200**	**19400**	**19000**	**19900**	NA
Silver (Dissolved)	50	< 5	< 5	< 5	< 5	< 5	0
Sodium (Dissolved)	20000	**315000**	**84700**	**347000**	**342000**	**361000**	5
Vanadium, (Dissolved)	NS	< 11	**1**	**1**	< 11	< 11	NA
Zinc, (Dissolved)	5000	**3**	**3**	**3**	**2**	< 11	0

Notes:

All concentrations are in micrograms per liter (ug/l)
Compounds not detected are reported as less than the respective Reporting Limit (RL)
Compounds detected in groundwater are BOLDED
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Ambient Water Quality Standard (AWQS) for Class GA Waters (T.O.G.S. 1.1.1)
= Result represents the maximum groundwater concentration of the respective compound detected at the Site

Attachment 4B - Table 3b
Groundwater Sampling Results (2018-2021) - Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

	Sample ID	GW1	GW2	GW3	20 MW 1	20 MW 2	20 MW 3	20 MW 4	20 MW 4D	Number of Samples Exceeding the Respective AWQS
	Collection Date	12/12/2018	12/12/2018	12/12/2018	10/1/2021	10/1/2021	10/1/2021	10/1/2021	10/1/2021	
	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
	Unit	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
Compound	**AWQS**									
1,1,1-Trichloroethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
1,1,2,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,1,2-Trichloroethane	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,1-Dichloroethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
1,1-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,1-Dichloropropene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,2,3-Trichlorobenzene	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
1,2,3-Trichloropropane	0.04	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	0
1,2,4-Trichlorobenzene	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
1,2,4-Trimethylbenzene	5	**1.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,2-Dibromo-3-chloropropane	0.04	*< 0.50*	*< 0.50*	*< 0.50*	*< 0.50*	*< 0.50*	*< 0.50*	*< 0.50*	*< 0.50*	0
1,2-Dibromoethane	0.0006	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	*< 0.25*	0
1,2-Dichlorobenzene	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
1,2-Dichloroethane	0.6	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	< 0.60	0
1,2-Dichloropropane	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,3,5-Trimethylbenzene	5	**0.34**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,3-Dichlorobenzene	3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,3-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,4-Dichlorobenzene	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
2,2-Dichloropropane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
2-Chlorotoluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
2-Hexanone	50	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	0
2-Isopropyltoluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
4-Chlorotoluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
4-Methyl-2-pentanone	NS	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	NA
Acetone	50	**3.9**	< 5.0	**3.7**	**3.6**	**3.6**	< 5.0	< 5.0	< 5.0	0
Acrolein	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Acrylonitrile	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Benzene	1	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	0
Bromobenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Bromochloromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Bromodichloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Bromoform	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Bromomethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Carbon Disulfide	NS	**0.4**	< 1.0	**0.39**	< 1.0	**0.42**	< 1.0	< 1.0	< 1.0	NA
Carbon tetrachloride	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Chlorobenzene	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Chloroethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Chloroform	7	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Chloromethane	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
cis-1,2-Dichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
cis-1,3-Dichloropropene	0.4	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	0
Dibromochloromethane	50	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Dibromomethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Dichlorodifluoromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Ethylbenzene	5	**0.32**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Hexachlorobutadiene	0.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0
Isopropylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
m&p-Xylene	NS	**1.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
Methyl ethyl ketone	50	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	0
Methyl t-butyl ether (MTBE)	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA
Methylene chloride	5	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	0
Naphthalene	10	**1.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
n-Butylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
n-Propylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
o-Xylene	5	**0.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
p-Isopropyltoluene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
sec-Butylbenzene	5	**1.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Styrene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
tert-Butylbenzene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Tetrachloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Tetrahydrofuran (THF)	50	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
Toluene	5	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
trans-1,2-Dichloroethene	5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0
trans-1,3-Dichloropropene	0.4	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	0
trans-1,4-dichloro-2-butene	5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	0
Trichloroethene	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Trichlorofluoromethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Trichlorotrifluoroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Vinyl chloride	2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
1,1,1,2-Tetrachloroethane	5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0
Tert-butyl alcohol	NS	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA

Notes:

All concentrations are in micrograms per liter (ug/l)
Compounds not detected are reported as less than the respective Reporting Limit (RL)
Compounds detected in groundwater are BOLDED
Reporting Limits exceeding the respective AWQS are Italicized
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Ambient Water Quality Standard (AWQS) for Class GA Waters (T.O.G.S. 1.1.1)
= Result represents the maximum groundwater concentration of the respective compound detected at the Site

Prepared by RL 04/22/2022
Checked by MM 04/29/2022

Attachment 4B - Table 3c
Groundwater Sampling Results (2018-2021) - Semi-Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

	Sample ID	20 MW 1	20 MW 2	20 MW 3	20 MW 4	20 MW 4D	Number of Samples Exceeding the Respective AWQS
	Collection Date	10/1/2021	10/1/2021	10/1/2021	10/1/2021	10/1/2021	
	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	
	Unit	ug/l	ug/l	ug/l	ug/l	ug/l	
Semivolatiles By SW8270D (SIM)	**AWQS**						
Acenaphthylene	NS	< 0.49	< 0.51	< 0.52	< 0.50	< 0.50	NA
Benz(a)anthracene	0.002	< *0.02*	**0.49**	< *0.02*	< *0.02*	< *0.02*	1
Benzo(a)pyrene	NS	< 0.02	**0.64**	< 0.02	< 0.02	< 0.02	NA
Benzo(b)fluoranthene	0.002	< *0.02*	**0.57**	< *0.02*	< *0.02*	< *0.02*	1
Benzo(ghi)perylene	NS	< 0.49	**0.52**	< 0.52	< 0.50	< 0.50	NA
Benzo(k)fluoranthene	0.002	< *0.02*	**0.49**	< *0.02*	< *0.02*	< *0.02*	1
Chrysene	0.002	< *0.02*	**0.49**	< *0.02*	< *0.02*	< *0.02*	1
Dibenz(a,h)anthracene	NS	< 0.49	< 0.51	< 0.52	< 0.50	< 0.50	NA
Hexachlorobenzene	0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0
Hexachlorobutadiene	0.5	< 0.49	< 0.50	< 0.50	< 0.50	< 0.50	0
Hexachlorocyclopentadiene	5	< 0.49	< 0.51	< 0.52	< 0.50	< 0.50	0
Indeno(1,2,3-cd)pyrene	0.002	< *0.02*	**0.64**	< *0.02*	< *0.02*	< *0.02*	1
Nitrobenzene	0.4	< 0.39	< 0.40	< 0.40	< 0.40	< 0.40	0
N-Nitrosodimethylamine	NS	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	NA
Pentachlorophenol	1	< 0.49	< 0.51	< 0.52	< 0.50	< 0.50	0
Phenanthrene	50	< 0.49	< 0.51	< 0.52	< 0.50	< 0.50	0
Semivolatiles By SW8270D	**AWQS**						
1,2,4,5-Tetrachlorobenzene	NS	< 3.4	< 3.5	< 3.6	< 3.5	< 3.5	NA
1,2,4-Trichlorobenzene	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	NA
1,2-Dichlorobenzene	NS	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	NA
1,2-Diphenylhydrazine	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
1,3-Dichlorobenzene	3	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
1,4-Dichlorobenzene	NS	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	NA
2,4,5-Trichlorophenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
2,4,6-Trichlorophenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
2,4-Dichlorophenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
2,4-Dimethylphenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
2,4-Dinitrophenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
2,4-Dinitrotoluene	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
2,6-Dinitrotoluene	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
2-Chloronaphthalene	10	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
2-Chlorophenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
2-Methylnaphthalene	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	NA
2-Methylphenol (o-cresol)	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
2-Nitroaniline	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
2-Nitrophenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
3&4-Methylphenol (m&p-cresol)	NS	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	NA
3,3'-Dichlorobenzidine	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
3-Nitroaniline	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
4,6-Dinitro-2-methylphenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
4-Bromophenyl phenyl ether	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	NA
4-Chloro-3-methylphenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
4-Chloroaniline	5	< 3.4	< 3.5	< 3.6	< 3.5	< 3.5	0
4-Chlorophenyl phenyl ether	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	NA
4-Nitroaniline	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
4-Nitrophenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
Acenaphthene	20	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Acetophenone	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	NA
Aniline	5	< 3.4	< 3.5	< 3.6	< 3.5	< 3.5	0
Anthracene	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Benzidine	5	< 4.4	< 4.5	< 4.7	< 4.5	< 4.5	0
Benzoic acid	NS	< 25	< 25	< 26	< 25	< 25	NA
Benzyl butyl phthalate	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Bis(2-chloroethoxy)methane	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
Bis(2-chloroethyl)ether	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
Bis(2-chloroisopropyl)ether	5	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
Bis(2-ethylhexyl)phthalate	5	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
Carbazole	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	NA
Dibenzofuran	NS	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	NA
Diethyl phthalate	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Dimethylphthalate	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Di-n-butylphthalate	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Di-n-octylphthalate	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Fluoranthene	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Fluorene	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Hexachloroethane	5	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
Isophorone	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Naphthalene	10	< 4.9	< 5.0	< 5.0	< 5.0	< 5.0	0
N-Nitrosodi-n-propylamine	NS	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	NA
N-Nitrosodiphenylamine	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Pentachloronitrobenzene	NS	< 2.5	< 2.5	< 2.6	< 2.5	< 2.5	NA
Phenol	1	< 0.98	< 1.0	< 1.0	< 0.99	< 1.0	0
Pyrene	50	< 4.9	< 5.1	< 5.2	< 5.0	< 5.0	0
Pyridine	50	< 9.8	< 10	< 10	< 9.9	< 10	0

Notes:

All concentrations are in micrograms per liter (ug/l)
Compounds not detected are reported as less than the respective Reporting Limit (RL)
Compounds detected in groundwater are BOLDED
Reporting Limits exceeding the respective AWQS are Italicized
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Ambient Water Quality Standard (AWQS) for Class GA Waters (T.O.G.S. 1.1.1)
= Result represents the maximum groundwater concentration of the respective compound detected at the Site

Prepared by RL 04/22/2022
Checked by MM 04/29/2022

Attachment 4B - Table 3d
Groundwater Sampling Results (2021) - Polychlorinated Biphenyls

188 East 135th Street Redevelopment Site
Bronx, New York

	Sample ID	20 MW 1	20 MW 2	20 MW 3	20 MW 4	20 MW 4D	Number of Samples Exceeding the Respective AWQS
	Collection Date	10/1/2021	10/1/2021	10/1/2021	10/1/2021	10/1/2021	
	Matrix	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	
	Unit	ug/l	ug/l	ug/l	ug/l	ug/l	
Compound	**AWQS**						
PCB-1016	0.09	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1221	0.09	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1232	0.09	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1242	0.09	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1248	0.09	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1254	0.09	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1260	0.09	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1262	NS	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0
PCB-1268	NS	< 0.051	< 0.052	< 0.052	< 0.051	< 0.053	0

Notes:

All concentrations are in micrograms per liter (ug/l)
Compounds not detected are reported as less than the respective Reporting Limit (RL)
Compounds detected in groundwater are BOLDED
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Ambient Water Quality Standard (AWQS) for Class GA Waters (T.O.G.S. 1.1.1)
= Result represents the maximum groundwater concentration of the respective compound detected at the Site

Prepared by RL 04/22/2022
Checked by MM 04/29/2022

Attachment 4B - Table 3e
Groundwater Sampling Results (2021) - Pesticides

188 East 135th Street Redevelopment Site
Bronx, New York

	Sample ID	20 MW 1	20 MW 2	20 MW 3	20 MW 4	20 MW 4D	Number of Samples Exceeding the Respective AWQS
	Collection Date	10/1/2021	10/1/2021	10/1/2021	10/1/2021	10/1/2021	
	Matrix	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	
	Unit	ug/l	ug/l	ug/l	ug/l	ug/l	
Compound	**AWQS**						
4,4' -DDD	0.3	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
4,4' -DDE	0.2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
4,4' -DDT	0.2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
a-BHC	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
a-chlordane	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	NA
Alachlor	0.5	< 0.077	< 0.078	< 0.078	< 0.077	< 0.079	0
Aldrin	NS	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	NA
b-BHC	0.04	< 0.010	< 0.005	< 0.005	< 0.005	< 0.005	0
Chlordane	0.05	< 0.020	< 0.021	< 0.021	< 0.020	< 0.021	0
d-BHC	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
Dieldrin	0.004	< 0.004	< 0.002	< 0.004	< 0.002	< 0.004	0
Endosulfan I	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	NA
Endosulfan II	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	NA
Endosulfan Sulfate	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	NA
Endrin	NS	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	NA
Endrin Aldehyde	5	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	0
Endrin ketone	5	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	0
g-BHC (Lindane)	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
g-chlordane	NS	< 0.010	< 0.010	< 0.010	< 0.010	< 0.011	NA
Heptachlor	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
Heptachlor epoxide	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0
Methoxychlor	35	< 0.10	< 0.10	< 0.10	< 0.10	< 0.11	0
Toxaphene	0.06	*< 0.20*	*< 0.21*	*< 0.21*	*< 0.20*	*< 0.21*	0

Notes:

All concentrations are in micrograms per liter (ug/l)
Compounds not detected are reported as less than the respective Reporting Limit (RL)
Compounds detected in groundwater are BOLDED
Reporting Limits exceeding the respective AWQS are Italicized
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Ambient Water Quality Standard (AWQS) for Class GA Waters (T.O.G.S. 1.1.1)
= Result represents the maximum groundwater concentration of the respective compound detected at the Site

Prepared by RL 04/22/2022
Checked by MM 04/29/2022

Attachment 4B - Table 3f
Groundwater Sampling Results (2021) - Emerging Contaminants

188 East 135th Street Redevelopment Site
Bronx, New York

		Sample ID	20 MW 1	20 MW 2	20 MW 3	Number of Samples Exceeding the Respective Guidance Value
		Collection Date	10/1/2021	10/1/2021	10/1/2021	
		Matrix	Groundwater	Groundwater	Groundwater	
1,4-dioxane	**Unit**	**Guidance Value**				
1,4-dioxane	ng/l	350	< 200	< *400*	< 200	0
PFAS	**Unit**	**Guidance Value**				
Perfluorobutanesulfonic acid (PFBS)	ng/l	NS	**2.01**	**2.71**	**2.49**	NA
Perfluorohexanoic acid (PFHxA)	ng/l	NS	**3.41**	**8.74**	**4.41**	NA
Perfluoroheptanoic acid (PFHpA)	ng/l	NS	**3.34**	**8.82**	**3.89**	NA
Perfluorohexanesulfonic acid (PFHxS)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluorooctanoic acid (PFOA)	ng/l	6.7	**21.6**	**35.3**	**18.2**	3
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7	**25.1**	**25.5**	**24.4**	3
Perfluorononanoic acid (PFNA)	ng/l	NS	**5.78**	**3.07**	**4.41**	NA
Perfluorodecanoic acid (PFDA)	ng/l	NS	**2.01**	**2.46**	**1.88**	NA
Perfluoroundecanoic acid (PFUnA)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluorododecanoic acid (PFDoA)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluorotridecanoic acid (PFTrDA)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluorotetradecanoic acid (PFTA)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
N-MeFOSAA	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
N-EtFOSAA	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluoropentanoic acid (PFPeA)	ng/l	NS	**4.67**	**10.8**	**5.36**	NA
Perfluoro-1-octanesulfonamide (FOSA)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluoro-1-heptanesulfonic acid (PFHpS)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluoro-1-decanesulfonic acid (PFDS)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ng/l	NS	< 4.63	< 4.63	< 4.63	NA
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ng/l	NS	< 1.85	< 1.85	< 1.85	NA
Perfluoro-n-butanoic acid (PFBA)	ng/l	NS	**5.84**	**10**	**6.29**	NA

Notes:

Concentrations are in nanograms per liter (ng/l)
Compounds not detected are reported as less than the respective Reporting Limit (RL)
Compounds detected in groundwater are BOLDED
Reporting Limits exceeding the respective AWQS are Italicized
NS = No Standard
NA = Not Applicable
D = Field Duplicate
= Result exceeded the respective Draft Water Quality Guidance Value for Emerging Contaminants (NYSDEC, October 2021)
= Result represents the maximum groundwater concentration of the respective compound detected at the Site

Prepared by RL 04/22/2022
Checked by MM 04/29/2022
Revised by RL 06/07/2022

Attachment 4B - Table 4
Soil Vapor Sampling Results (2018-2021) - Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

Sample ID	SV 1	SV 2	SS 1	205V1	205V2	205V3
Collection Date	12/12/2018	12/12/2018	12/12/2018	10/1/2021	10/1/2021	10/1/2021
Matrix	Soil Vapor	Soil Vapor	SSSG	Soil Vapor	Soil Vapor	Soil Vapor
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Compound						
1,1,1,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,1,1-Trichloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	**6**
1,1,2,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,1,2-Trichloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,1-Dichloroethane	< 1.00	< 1.00	< 1.00	< 5.02	< 5.02	< 5.02
1,1-Dichloroethene	< 0.20	< 0.20	< 0.20	< 1.00	< 1.00	< 1.00
1,2,4-Trichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,2,4-Trimethylbenzene	**2.9**	**2.52**	**4.81**	**12.2**	**12.7**	**9.53**
1,2-Dibromoethane(EDB)	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,2-Dichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,2-Dichloroethane	< 1.00	< 1.00	< 1.00	< 5.02	< 5.02	< 5.02
1,2-dichloropropane	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99
1,2-Dichlorotetrafluoroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,3,5-Trimethylbenzene	**1.41**	< 1.00	**1.72**	< 5.01	< 5.01	< 5.01
1,3-Butadiene	< 1.00	**8.89**	< 1.00	< 5.00	< 5.00	< 5.00
1,3-Dichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,4-Dichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
1,4-Dioxane	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
2-Hexanone(MBK)	< 1.00	< 1.00	< 1.00	**314**	**259**	**110**
4-Ethyltoluene	**4.31**	**3.75**	**6.14**	**8.99**	**9.29**	**5.99**
4-Isopropyltoluene	< 1.00	< 1.00	< 1.00	**16**	**17.6**	**12.2**
4-Methyl-2-pentanone(MIBK)	< 1.00	**2.28**	**1.44**	< 4.99	< 4.99	< 4.99
Acetone	**287**	**247**	**148**	**1,770**	**3,510**	**1,640**
Acrylonitrile	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
Benzene	**5.33**	**2.77**	**5.87**	< 5.01	< 5.01	< 5.01
Benzyl chloride	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
Bromodichloromethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	**6.13**
Bromoform	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
Bromomethane	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
Carbon Disulfide	**14.7**	**5.13**	**3.64**	< 5.01	**28.9**	< 5.01
Carbon Tetrachloride	< 0.20	< 0.20	**0.33**	< 1.00	< 1.00	< 1.00
Chlorobenzene	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
Chloroethane	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
Chloroform	< 1.00	< 1.00	< 1.00	< 4.98	< 4.98	**149**
Chloromethane	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99
Cis-1,2-Dichloroethene	< 0.20	< 0.20	< 0.20	< 1.00	< 1.00	< 1.00
cis-1,3-Dichloropropene	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99
Cyclohexane	**8.57**	**10.1**	**1.07**	< 4.99	< 4.99	< 4.99
Dibromochloromethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
Dichlorodifluoromethane	**1.46**	**1.69**	**1.5**	< 4.99	**9.79**	**6.33**
Ethanol	**27.5**	**42**	**19.8**	**143**	**369**	**130**
Ethyl acetate	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
Ethylbenzene	**4.02**	**2.5**	**5.47**	< 4.99	< 4.99	< 4.99
Heptane	**41.8**	**3.83**	**3.26**	**6.96**	**11.2**	< 5.00
Hexachlorobutadiene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00
Hexane	**77.5**	**5.74**	**1.32**	< 5.00	< 5.00	< 5.00
Isopropylalcohol	< 1.00	**1.74**	**2.87**	**33.2**	**167**	**49.1**
Isopropylbenzene	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
m,p-Xylene	**15.1**	**10.3**	**18.3**	**22.3**	**20.7**	**10.9**
Methyl Ethyl Ketone	**22**	**11.5**	**12.5**	**3,300**	**4,540**	**2,030**
Methyl tert-butyl ether(MTBE)	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01
Methylene Chloride	**64.9**	**12.2**	< 3.00	< 15.0	< 15.0	< 15.0
n-Butylbenzene	< 1.00	< 1.00	**1.22**	< 5.00	< 5.00	< 5.00

Attachment 4B - Table 4
Soil Vapor Sampling Results (2018-2021) - Volatile Organic Compounds

188 East 135th Street Redevelopment Site
Bronx, New York

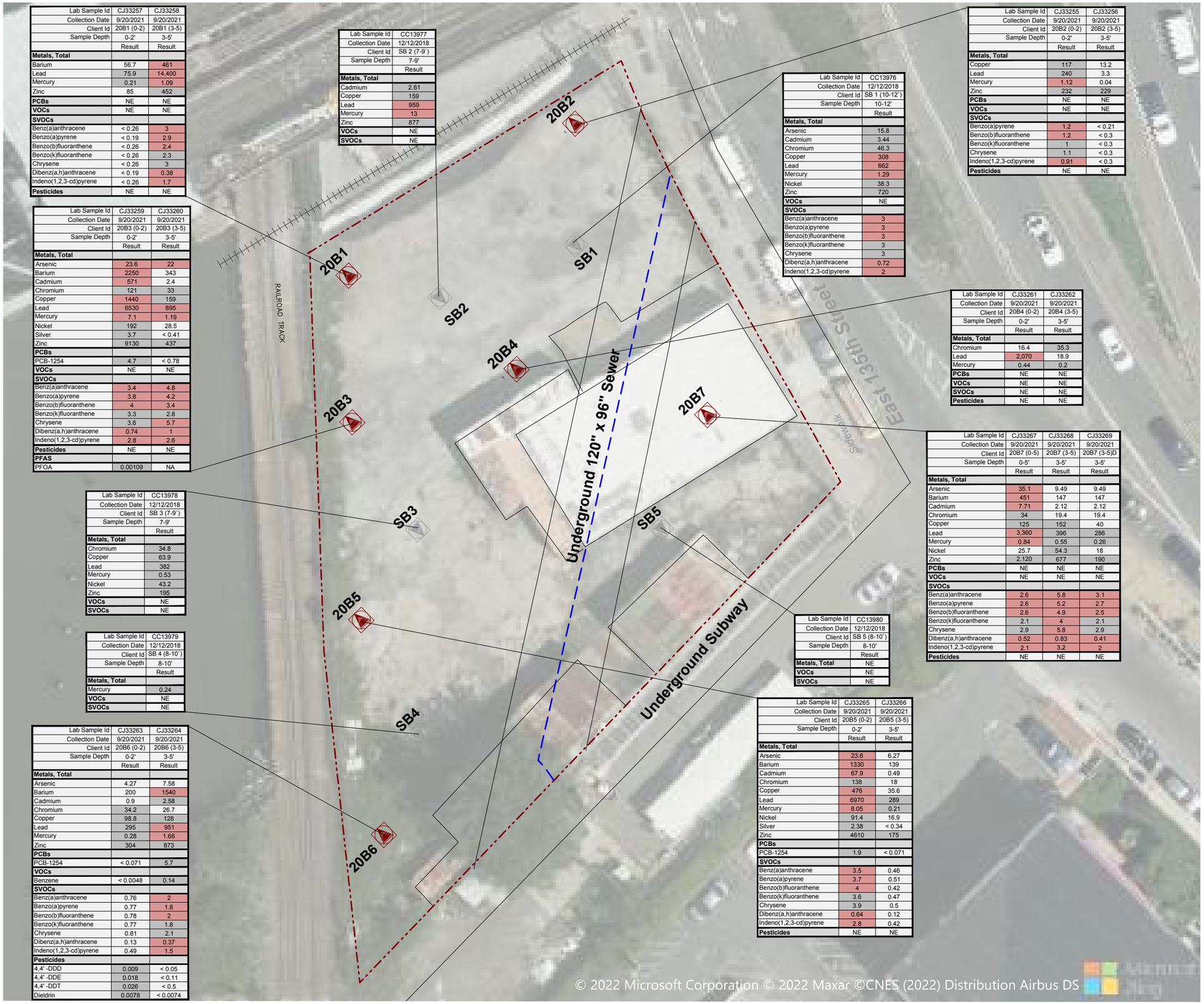
Sample ID	SV 1	SV 2	SS 1	205V1	205V2	205V3	205V4	205V5
Collection Date	12/12/2018	12/12/2018	12/12/2018	10/1/2021	10/1/2021	10/1/2021	10/1/2021	10/1/2021
Matrix	Soil Vapor	Soil Vapor	SSSG	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Compound								
1,1,1,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,1,1-Trichloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	**6**	< 5.00	< 5.00
1,1,2,2-Tetrachloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,1,2-Trichloroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,1-Dichloroethane	< 1.00	< 1.00	< 1.00	< 5.02	< 5.02	< 5.02	< 5.02	< 5.02
1,1-Dichloroethene	< 0.20	< 0.20	< 0.20	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
1,2,4-Trichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,2,4-Trimethylbenzene	**2.9**	**2.52**	**4.81**	**12.2**	**12.7**	**9.53**	**9.09**	**10.7**
1,2-Dibromoethane(EDB)	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,2-Dichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,2-Dichloroethane	< 1.00	< 1.00	< 1.00	< 5.02	< 5.02	< 5.02	< 5.02	< 5.02
1,2-dichloropropane	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
1,2-Dichlorotetrafluoroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,3,5-Trimethylbenzene	**1.41**	< 1.00	**1.72**	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
1,3-Butadiene	< 1.00	**8.89**	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,3-Dichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,4-Dichlorobenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,4-Dioxane	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
2-Hexanone(MBK)	< 1.00	< 1.00	< 1.00	**314**	**259**	**110**	**97.4**	**316**
4-Ethyltoluene	**4.31**	**3.75**	**6.14**	**8.99**	**9.29**	**5.99**	**5.94**	**7.52**
4-Isopropyltoluene	< 1.00	< 1.00	< 1.00	**16**	**17.6**	**12.2**	**12.8**	**15.1**
4-Methyl-2-pentanone(MIBK)	< 1.00	**2.28**	**1.44**	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
Acetone	**287**	**247**	**148**	**1,770**	**3,510**	**1,640**	**1,270**	**3,010**
Acrylonitrile	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Benzene	**5.33**	**2.77**	**5.87**	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Benzyl chloride	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromodichloromethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	**6.13**	< 5.00	< 5.00
Bromoform	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromomethane	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Carbon Disulfide	**14.7**	**5.13**	**3.64**	< 5.01	**28.9**	< 5.01	< 5.01	< 5.01
Carbon Tetrachloride	< 0.20	< 0.20	**0.33**	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Chlorobenzene	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Chloroethane	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Chloroform	< 1.00	< 1.00	< 1.00	< 4.98	< 4.98	**149**	< 4.98	< 4.98
Chloromethane	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
Cis-1,2-Dichloroethene	< 0.20	< 0.20	< 0.20	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
cis-1,3-Dichloropropene	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
Cyclohexane	**8.57**	**10.1**	**1.07**	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
Dibromochloromethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Dichlorodifluoromethane	**1.46**	**1.69**	**1.5**	< 4.99	**9.79**	**6.33**	< 4.99	< 4.99
Ethanol	**27.5**	**42**	**19.8**	**143**	**369**	**130**	**78.3**	**233**
Ethyl acetate	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Ethylbenzene	**4.02**	**2.5**	**5.47**	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
Heptane	**41.8**	**3.83**	**3.26**	**6.96**	**11.2**	< 5.00	< 5.00	**8.15**
Hexachlorobutadiene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Hexane	**77.5**	**5.74**	**1.32**	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Isopropylalcohol	< 1.00	**1.74**	**2.87**	**33.2**	**167**	**49.1**	**33.2**	**51.6**
Isopropylbenzene	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
m,p-Xylene	**15.1**	**10.3**	**18.3**	**22.3**	**20.7**	**10.9**	**10.6**	**15.8**
Methyl Ethyl Ketone	**22**	**11.5**	**12.5**	**3,300**	**4,540**	**2,030**	**1,620**	**4,950**
Methyl tert-butyl ether(MTBE)	< 1.00	< 1.00	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Methylene Chloride	**64.9**	**12.2**	< 3.00	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
n-Butylbenzene	< 1.00	< 1.00	**1.22**	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
o-Xylene	**5.34**	**3.38**	**6.47**	**9.89**	**11.1**	**5.6**	**5.95**	**7.33**
Propylene	< 1.00	**168**	**2.79**	**133**	**168**	**88.8**	**70.5**	**200**
sec-Butylbenzene	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Styrene	**1.53**	**1.19**	**2.88**	< 4.98	< 4.98	< 4.98	< 4.98	< 4.98
Tetrachloroethene	**3.75**	**0.62**	**5.73**	**2.75**	**487**	**55.2**	**33**	**15.5**
Tetrahydrofuran	< 1.00	**7.93**	< 1.00	< 5.01	< 5.01	< 5.01	< 5.01	< 5.01
Toluene	**17.5**	**10.5**	**21.6**	**9.34**	**6.97**	< 5.01	< 5.01	< 5.01
Trans-1,2-Dichloroethene	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
trans-1,3-Dichloropropene	< 1.00	< 1.00	< 1.00	< 4.99	< 4.99	< 4.99	< 4.99	< 4.99
Trichloroethene	< 0.20	< 0.20	**0.35**	< 1.00	**1.56**	**2.74**	< 1.00	< 1.00
Trichlorofluoromethane	< 1.00	< 1.00	**1.85**	< 5.00	**11.1**	< 5.00	**5.53**	< 5.00
Trichlorotrifluoroethane	< 1.00	< 1.00	< 1.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Vinyl Chloride	< 0.20	**0.49**	< 0.20	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00

Notes:

SSSG = Sub-Slab Soil Gas
All concentrations are in micrograms per cubic meter (ug/m3)
Compounds not detected are reported as less than the respective Reporting Limit (RL)
Compounds detected in groundwater are BOLDED
= Result represents the maximum soil vapor concentration of the respective compound detected at the Site

Prepared by RL 04/25/2022
Checked by MM 04/29/2022

ATTACHMENT 4C – DATA FIGURES



Lab Sample Id	CJ33257	CJ33258
Collection Date	9/20/2021	9/20/2021
Client Id	20B1 (0-2)	20B1 (3-5)
Sample Depth	0-2'	3-5'
	Result	Result
Metals, Total		
Barium	56.7	461
Lead	75.9	14,400
Mercury	0.21	1.09
Zinc	85	452
PCBs	NE	NE
VOCs	NE	NE
SVOCs		
Benz(a)anthracene	< 0.26	3
Benzo(a)pyrene	< 0.19	2.9
Benzo(b)fluoranthene	< 0.26	2.4
Benzo(k)fluoranthene	< 0.26	2.3
Chrysene	< 0.26	3
Dibenz(a,h)anthracene	< 0.19	0.38
Indeno(1,2,3-cd)pyrene	< 0.26	1.7
Pesticides	NE	NE

Lab Sample Id	CC13977
Collection Date	12/12/2018
Client Id	SB 2 (7-9')
Sample Depth	7-9'
	Result
Metals, Total	
Cadmium	2.61
Copper	159
Lead	959
Mercury	13
Zinc	877
VOCs	NE
SVOCs	NE

Lab Sample Id	CJ33255	CJ33256
Collection Date	9/20/2021	9/20/2021
Client Id	20B2 (0-2)	20B2 (3-5)
Sample Depth	0-2'	3-5'
	Result	Result
Metals, Total		
Copper	117	13.2
Lead	240	3.3
Mercury	1.12	0.04
Zinc	232	229
PCBs	NE	NE
VOCs	NE	NE
SVOCs		
Benzo(a)pyrene	1.2	< 0.21
Benzo(b)fluoranthene	1.2	< 0.3
Benzo(k)fluoranthene	1	< 0.3
Chrysene	1.1	< 0.3
Indeno(1,2,3-cd)pyrene	0.91	< 0.3
Pesticides	NE	NE

Lab Sample Id	CC13976
Collection Date	12/12/2018
Client Id	SB 1 (10-12')
Sample Depth	10-12'
	Result
Metals, Total	
Arsenic	15.8
Cadmium	3.44
Chromium	46.3
Copper	308
Lead	662
Mercury	1.29
Nickel	38.3
Zinc	720
VOCs	NE
SVOCs	
Benz(a)anthracene	3
Benzo(a)pyrene	3
Benzo(b)fluoranthene	3
Benzo(k)fluoranthene	3
Chrysene	3
Dibenz(a,h)anthracene	0.72
Indeno(1,2,3-cd)pyrene	2

Lab Sample Id	CJ33259	CJ33260
Collection Date	9/20/2021	9/20/2021
Client Id	20B3 (0-2)	20B3 (3-5)
Sample Depth	0-2'	3-5'
	Result	Result
Metals, Total		
Arsenic	23.6	22
Barium	2250	343
Cadmium	571	2.4
Chromium	121	33
Copper	1440	159
Lead	6530	895
Mercury	7.1	1.19
Nickel	192	28.5
Silver	3.7	< 0.41
Zinc	9130	437
PCBs		
PCB-1254	4.7	< 0.78
VOCs	NE	NE
SVOCs		
Benz(a)anthracene	3.4	4.8
Benzo(a)pyrene	3.8	4.2
Benzo(b)fluoranthene	4	3.4
Benzo(k)fluoranthene	3.3	2.8
Chrysene	3.6	5.7
Dibenz(a,h)anthracene	0.74	1
Indeno(1,2,3-cd)pyrene	2.8	2.6
Pesticides	NE	NE
PFAS		
PFOA	0.00109	NA

Lab Sample Id	CJ33261	CJ33262
Collection Date	9/20/2021	9/20/2021
Client Id	20B4 (0-2)	20B4 (3-5)
Sample Depth	0-2'	3-5'
	Result	Result
Metals, Total		
Chromium	16.4	35.3
Lead	2,070	18.9
Mercury	0.44	0.2
PCBs	NE	NE
VOCs	NE	NE
SVOCs	NE	NE
Pesticides	NE	NE

Lab Sample Id	CJ33267	CJ33268	CJ33269
Collection Date	9/20/2021	9/20/2021	9/20/2021
Client Id	20B7 (0-5)	20B7 (3-5)	20B7 (3-5)D
Sample Depth	0-5'	3-5'	3-5'
	Result	Result	Result
Metals, Total			
Arsenic	35.1	9.49	9.49
Barium	451	147	147
Cadmium	7.71	2.12	2.12
Chromium	34	19.4	19.4
Copper	125	152	40
Lead	3,360	396	286
Mercury	0.84	0.55	0.26
Nickel	25.7	54.3	18
Zinc	2,120	677	190
PCBs	NE	NE	NE
VOCs	NE	NE	NE
SVOCs			
Benz(a)anthracene	2.6	5.8	3.1
Benzo(a)pyrene	2.6	5.2	2.7
Benzo(b)fluoranthene	2.6	4.9	2.5
Benzo(k)fluoranthene	2.1	4	2.1
Chrysene	2.9	5.8	2.9
Dibenz(a,h)anthracene	0.52	0.83	0.41
Indeno(1,2,3-cd)pyrene	2.1	3.2	2
Pesticides	NE	NE	NE

Lab Sample Id	CC13978
Collection Date	12/12/2018
Client Id	SB 3 (7-9')
Sample Depth	7-9'
	Result
Metals, Total	
Chromium	34.8
Copper	63.9
Lead	382
Mercury	0.53
Nickel	43.2
Zinc	195
VOCs	NE
SVOCs	NE

Lab Sample Id	CC13980
Collection Date	12/12/2018
Client Id	SB 5 (8-10')
Sample Depth	8-10'
	Result
Metals, Total	NE
VOCs	NE
SVOCs	NE

Lab Sample Id	CC13979
Collection Date	12/12/2018
Client Id	SB 4 (8-10')
Sample Depth	8-10'
	Result
Metals, Total	
Mercury	0.24
VOCs	NE
SVOCs	NE

Lab Sample Id	CJ33265	CJ33266
Collection Date	9/20/2021	9/20/2021
Client Id	20B5 (0-2)	20B5 (3-5)
Sample Depth	0-2'	3-5'
	Result	Result
Metals, Total		
Arsenic	23.6	6.27
Barium	1330	139
Cadmium	67.9	0.49
Chromium	138	18
Copper	476	35.6
Lead	6970	289
Mercury	8.05	0.21
Nickel	91.4	16.9
Silver	2.38	< 0.34
Zinc	4610	175
PCBs		
PCB-1254	1.9	< 0.071
SVOCs		
Benz(a)anthracene	3.5	0.46
Benzo(a)pyrene	3.7	0.51
Benzo(b)fluoranthene	4	0.42
Benzo(k)fluoranthene	3.6	0.47
Chrysene	3.9	0.5
Dibenz(a,h)anthracene	0.64	0.12
Indeno(1,2,3-cd)pyrene	2.8	0.42
Pesticides	NE	NE

Lab Sample Id	CJ33263	CJ33264
Collection Date	9/20/2021	9/20/2021
Client Id	20B6 (0-2)	20B6 (3-5)
Sample Depth	0-2'	3-5'
	Result	Result
Metals, Total		
Arsenic	4.27	7.58
Barium	200	1540
Cadmium	0.9	2.58
Chromium	34.2	26.7
Copper	98.8	128
Lead	295	951
Mercury	0.28	1.66
Zinc	304	873
PCBs		
PCB-1254	< 0.071	5.7
VOCs		
Benzene	< 0.0048	0.14
SVOCs		
Benz(a)anthracene	0.76	2
Benzo(a)pyrene	0.77	1.8
Benzo(b)fluoranthene	0.78	2
Benzo(k)fluoranthene	0.77	1.8
Chrysene	0.81	2.1
Dibenz(a,h)anthracene	0.13	0.37
Indeno(1,2,3-cd)pyrene	0.49	1.5
Pesticides		
4,4' -DDD	0.009	< 0.05
4,4' -DDE	0.018	< 0.11
4,4' -DDT	0.026	< 0.5
Dieldrin	0.0078	< 0.0074

KEY:

- PROPERTY BOUNDARY
- 2021 BEC RI SOIL BORING LOCATION
- 2018 EBC PHASE II SOIL BORING LOCATION
- 0.44 — EXCEEDS THE UUSCO
- 2,070 — EXCEEDS THE RRSCO
- NE — CONCENTRATIONS DO NOT EXCEED UUSCO OR RRSCO
- NA — NOT ANALYZED

NOTE:

1. AERIAL ORTHOPHOTOGRAPY SOURCED FROM BING MAPS DATED 2022.
2. EBC = ENVIRONMENTAL BUSINESS CONSULTANTS (RIDGE, NY).
3. BEC = BRUSEE ENVIRONMENTAL CORP (MILLER, NY).
4. LINEWORK PROVIDED BY BEC SITE SAMPLING LOCATIONS, FIGURE 5.
5. UUSCO / RRSCO = UNRESTRICTED USE SOIL CLEANUP OBJECTIVES / RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES TAKEN FROM 6 NYCRR PART 375 ENVIRONMENTAL REMEDIATION PROGRAMS (DECEMBER 2006). UUSCO FOR PFAS TAKEN FROM NYSDEC JUNE 2021 PFAS GUIDANCE.
6. ONLY EXCEEDANCES OF THE RRSCO AND UUSCO IN AT LEAST ONE SAMPLE ARE SHOWN.
7. CONCENTRATIONS ARE IN MILLIGRAMS PER KILOGRAM (MG/KG).

Compound	RRSCO mg/kg	UUSCO mg/kg
Metals		
Arsenic	16	13
Barium	400	350
Cadmium	4.3	2.5
Chromium	NS	30
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Silver	180	2
Zinc	10,000	109
VOCs		
Benzene	5	0.06
SVOCs		
Benz(a)anthracene	1.0	1.0
Benzo(a)pyrene	1.0	1.0
Benzo(b)fluoranthene	1.0	1.0
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1.0
Dibenz(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
PCBs		
PCB-1254	NS	0.1
Pesticides		
4,4' -DDD	13	0.0033
4,4' -DDE	8.9	0.0033
4,4' -DDT	7.9	0.0033
Dieldrin	0.2	0.005
PFAS		
Perfluorooctanoic acid (PFOA)	0.033	0.00066

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0 15' 30' 60'
SCALE IN FEET

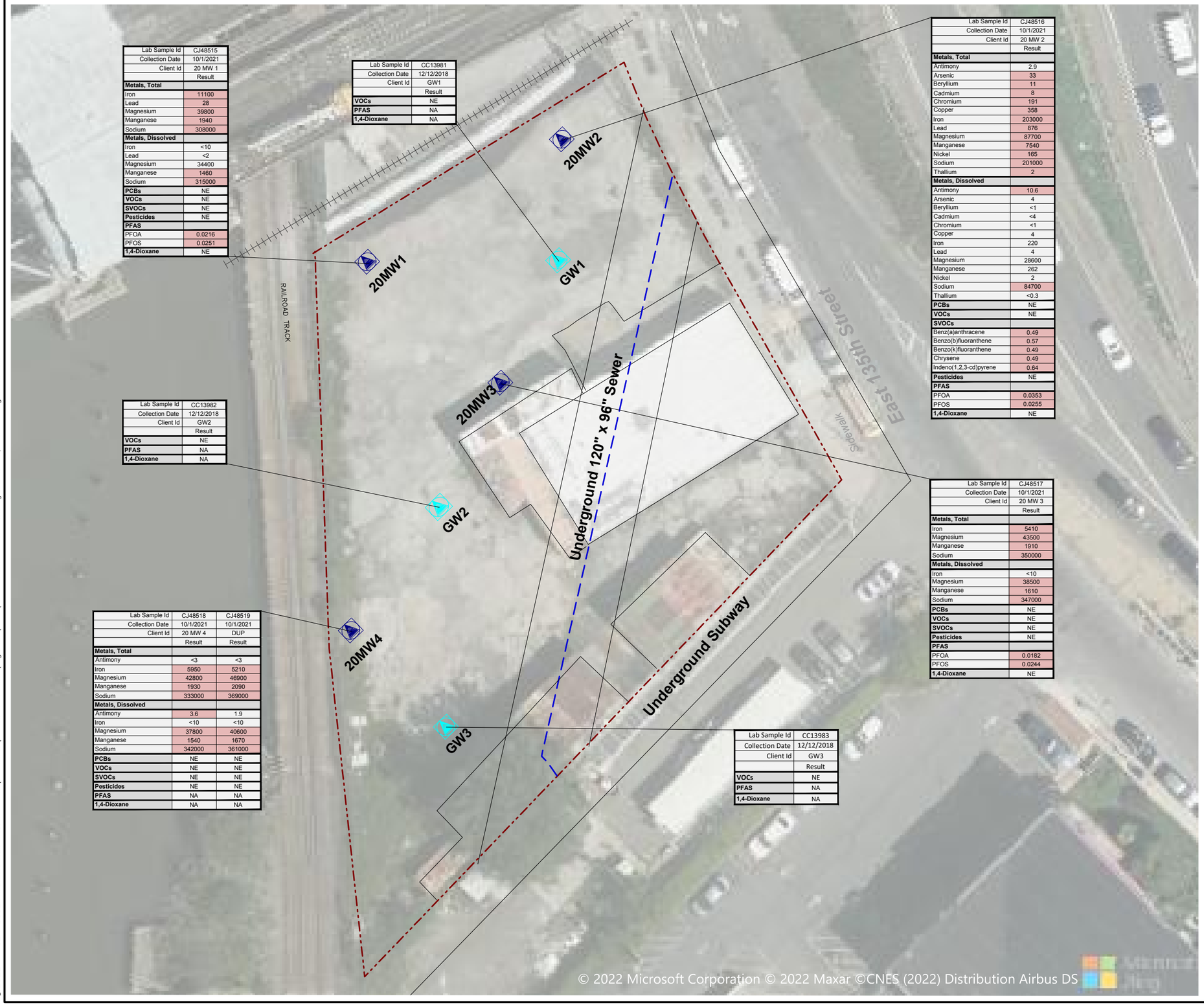
188 EAST 135TH STREET REDEVELOPMENT SITE
BRONX, NEW YORK

SOIL SAMPLING RESULTS (2018-2021)

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
WATERFRONT LIVING II LLC

PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: RL	FIGURE 4C
DESIGNED BY: RL	DRAWN BY: LN	SCALE: 1" = 30'	
DATE: JUNE 2022	PROJECT NO. 12.0077272.10	REVISION NO.	SHEET NO.



Lab Sample Id	CJ48515
Collection Date	10/1/2021
Client Id	20 MW 1
	Result
Metals, Total	
Iron	11100
Lead	28
Magnesium	39800
Manganese	1940
Sodium	308000
Metals, Dissolved	
Iron	<10
Lead	<2
Magnesium	34400
Manganese	1460
Sodium	315000
PCBs	NE
VOCs	NE
SVOCs	NE
Pesticides	NE
PFAS	
PFOA	0.0216
PFOS	0.0251
1,4-Dioxane	NE

Lab Sample Id	CC13981
Collection Date	12/12/2018
Client Id	GW1
	Result
VOCs	NE
PFAS	NA
1,4-Dioxane	NA

Lab Sample Id	CJ48516
Collection Date	10/1/2021
Client Id	20 MW 2
	Result
Metals, Total	
Antimony	2.9
Arsenic	33
Beryllium	11
Cadmium	8
Chromium	191
Copper	358
Iron	203000
Lead	876
Magnesium	87700
Manganese	7540
Nickel	165
Sodium	201000
Thallium	2
Metals, Dissolved	
Antimony	10.6
Arsenic	4
Beryllium	<1
Cadmium	<4
Chromium	<1
Copper	4
Iron	220
Lead	4
Magnesium	28600
Manganese	262
Nickel	2
Sodium	84700
Thallium	<0.3
PCBs	NE
VOCs	NE
SVOCs	
Benz(a)anthracene	0.49
Benzo(b)fluoranthene	0.57
Benzo(k)fluoranthene	0.49
Chrysene	0.49
Indeno(1,2,3-cd)pyrene	0.64
Pesticides	NE
PFAS	
PFOA	0.0353
PFOS	0.0255
1,4-Dioxane	NE

Lab Sample Id	CC13982
Collection Date	12/12/2018
Client Id	GW2
	Result
VOCs	NE
PFAS	NA
1,4-Dioxane	NA

Lab Sample Id	CJ48517
Collection Date	10/1/2021
Client Id	20 MW 3
	Result
Metals, Total	
Iron	5410
Magnesium	43500
Manganese	1910
Sodium	350000
Metals, Dissolved	
Iron	<10
Magnesium	38500
Manganese	1610
Sodium	347000
PCBs	NE
VOCs	NE
SVOCs	NE
Pesticides	NE
PFAS	
PFOA	0.0182
PFOS	0.0244
1,4-Dioxane	NE

Lab Sample Id	CJ48518	CJ48519
Collection Date	10/1/2021	10/1/2021
Client Id	20 MW 4	DUP
	Result	Result
Metals, Total		
Antimony	<3	<3
Iron	5950	5210
Magnesium	42800	46900
Manganese	1930	2090
Sodium	333000	369000
Metals, Dissolved		
Antimony	3.6	1.9
Iron	<10	<10
Magnesium	37800	40600
Manganese	1540	1670
Sodium	342000	361000
PCBs	NE	NE
VOCs	NE	NE
SVOCs	NE	NE
Pesticides	NE	NE
PFAS	NA	NA
1,4-Dioxane	NA	NA

Lab Sample Id	CC13983
Collection Date	12/12/2018
Client Id	GW3
	Result
VOCs	NE
PFAS	NA
1,4-Dioxane	NA

KEY:

- PROPERTY BOUNDARY
- 2021 BEC TEMPORARY WELL LOCATION
- 2018 EBC TEMPORARY WELL LOCATION
- 315 — CONCENTRATION EXCEEDS AWGQS
- NE — CONCENTRATIONS DO NOT EXCEED AWGQS
- NA — NOT ANALYZED
- NE — NO EXCEEDANCES

NOTE:

1. AERIAL ORTHOPHOTOGRAPY SOURCED FROM BING MAPS DATED 2022.
2. EBC = ENVIRONMENTAL BUSINESS CONSULTANTS (RIDGE, NY).
3. BEC = BRUSEE ENVIRONMENTAL CORP (MILLER, NY).
4. LINEWORK PROVIDED BY BEC SITE SAMPLING LOCATIONS, FIGURE 5.
5. AWQS = AMBIENT WATER QUALITY STANDARDS FOR CLASS GA WATERS (T.O.G.S. 1.1.1, JUNE 1998) AND DRAFT WATER QUALITY GUIDANCE VALUES FOR EMERGING CONTAMINANTS (NYSDEC, OCTOBER 2021).
6. ONLY ANALYTES EXCEEDING THE AWQS IN AT LEAST ONE SAMPLE ARE SHOWN.
7. UNITS ARE IN MICROGRAMS PER LITER (UG/L).

Compound	AWQS ug/l
Metals	
Antimony (Total / Dissolved)	3
Arsenic (Total / Dissolved)	25
Beryllium (Total / Dissolved)	3
Cadmium (Total / Dissolved)	5
Chromium (Total / Dissolved)	50
Copper (Total / Dissolved)	200
Iron (Total / Dissolved)	300
Lead (Total / Dissolved)	25
Magnesium (Total / Dissolved)	35000
Manganese (Total / Dissolved)	300
Nickel (Total / Dissolved)	100
Sodium (Total / Dissolved)	20000
Thallium (Total / Dissolved)	0.5
SVOCs	
Benz(a)anthracene	0.002
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
PFAS	
PFOA	0.0067
PFOS	0.0027

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0 15' 30' 60'
SCALE IN FEET

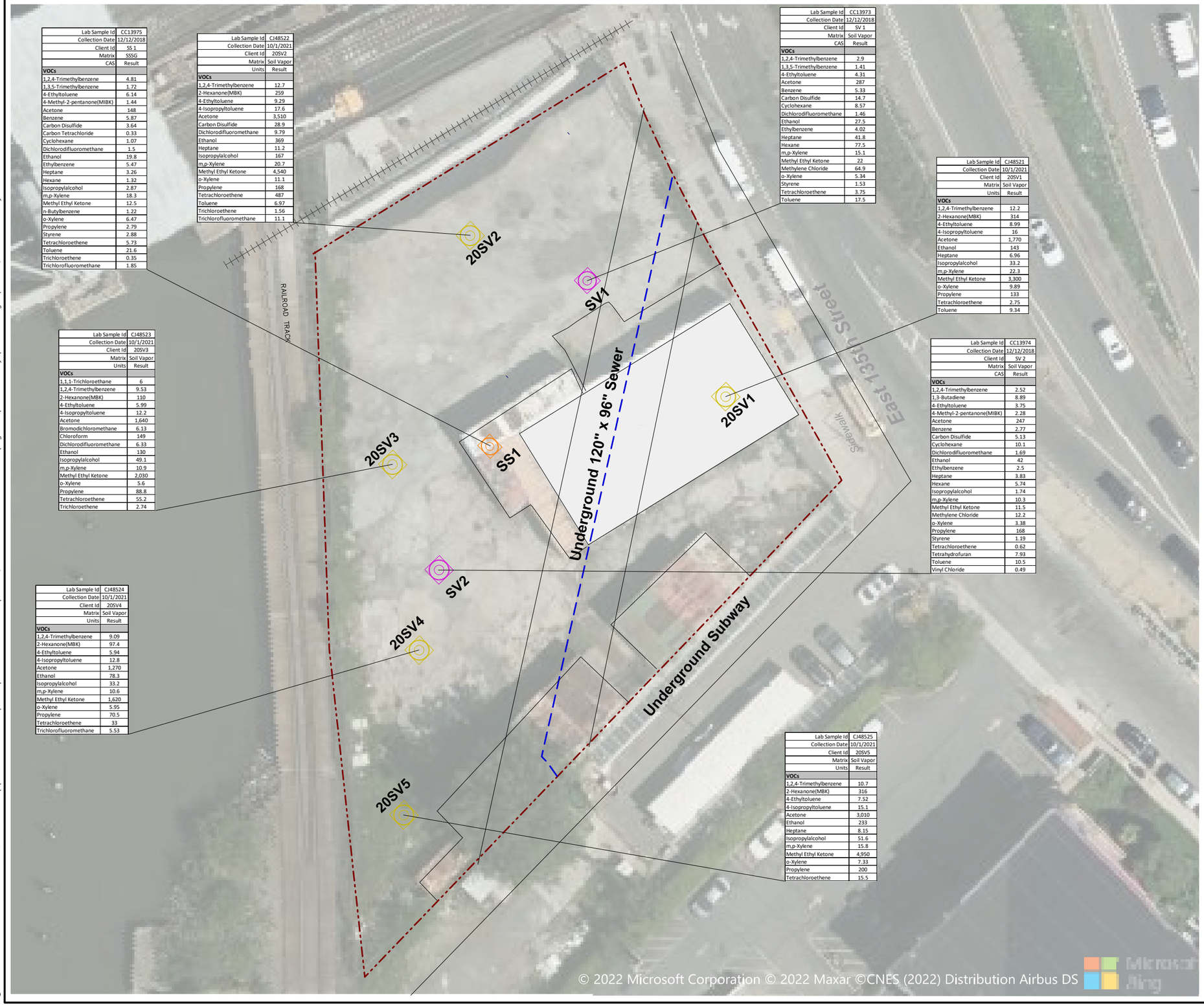
188 EAST 135TH STREET REDEVELOPMENT SITE
BRONX, NEW YORK

GROUNDWATER SAMPLING RESULTS (2018-2021)

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PREPARED FOR:
WATERFRONT LIVING II LLC

PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: RL	FIGURE 4C
DESIGNED BY: RL	DRAWN BY: LN	SCALE: 1" = 30'	
DATE: JUNE 2022	PROJECT NO. 12.0077272.10	REVISION NO.	SHEET NO.



Lab Sample Id	CC13975
Collection Date	12/12/2018
Client Id	SS 1
Matrix	SSSG
CAS	Result
VOCs	
1,2,4-Trimethylbenzene	4.81
1,3,5-Trimethylbenzene	1.72
4-Ethyltoluene	6.14
4-Methyl-2-pentanone(MIBK)	1.44
Acetone	148
Benzene	5.87
Carbon Disulfide	3.64
Carbon Tetrachloride	0.33
Cyclohexane	1.07
Dichlorodifluoromethane	1.5
Ethanol	19.8
Ethylbenzene	5.47
Heptane	3.26
Hexane	1.32
Isopropylalcohol	2.87
m,p-Xylene	18.3
Methyl Ethyl Ketone	12.5
n-Butylbenzene	1.22
o-Xylene	6.47
Propylene	2.79
Styrene	2.88
Tetrachloroethene	5.73
Toluene	21.6
Trichloroethene	0.35
Trichlorofluoromethane	1.85

Lab Sample Id	CJ48522
Collection Date	10/1/2021
Client Id	20SV2
Matrix	Soil Vapor
Units	Result
VOCs	
1,2,4-Trimethylbenzene	12.7
2-Hexanone(MBK)	259
4-Ethyltoluene	9.29
4-Isopropyltoluene	17.6
Acetone	3,510
Carbon Disulfide	28.9
Dichlorodifluoromethane	9.79
Ethanol	369
Heptane	11.2
Isopropylalcohol	167
m,p-Xylene	20.7
Methyl Ethyl Ketone	4,540
o-Xylene	11.1
Propylene	168
Tetrachloroethene	487
Toluene	6.97
Trichloroethene	1.56
Trichlorofluoromethane	11.1

Lab Sample Id	CC13973
Collection Date	12/12/2018
Client Id	SV 1
Matrix	Soil Vapor
CAS	Result
VOCs	
1,2,4-Trimethylbenzene	2.9
1,3,5-Trimethylbenzene	1.41
4-Ethyltoluene	4.31
Acetone	287
Benzene	5.33
Carbon Disulfide	14.7
Cyclohexane	8.57
Dichlorodifluoromethane	1.46
Ethanol	27.5
Ethylbenzene	4.02
Heptane	41.8
Hexane	77.5
m,p-Xylene	15.1
Methyl Ethyl Ketone	22
Methylene Chloride	64.9
o-Xylene	5.34
Styrene	1.53
Tetrachloroethene	3.75
Toluene	17.5

Lab Sample Id	CJ48521
Collection Date	10/1/2021
Client Id	20SV1
Matrix	Soil Vapor
Units	Result
VOCs	
1,2,4-Trimethylbenzene	12.2
2-Hexanone(MBK)	314
4-Ethyltoluene	8.99
4-Isopropyltoluene	16
Acetone	1,770
Ethanol	143
Heptane	6.96
Isopropylalcohol	33.2
m,p-Xylene	22.3
Methyl Ethyl Ketone	3,300
o-Xylene	9.89
Propylene	133
Tetrachloroethene	2.75
Toluene	9.34

Lab Sample Id	CJ48523
Collection Date	10/1/2021
Client Id	20SV3
Matrix	Soil Vapor
Units	Result
VOCs	
1,1,1-Trichloroethane	6
1,2,4-Trimethylbenzene	9.53
2-Hexanone(MBK)	110
4-Ethyltoluene	5.99
4-Isopropyltoluene	12.2
Acetone	1,640
Bromodichloromethane	6.13
Chloroform	149
Dichlorodifluoromethane	6.33
Ethanol	130
Isopropylalcohol	49.1
m,p-Xylene	10.9
Methyl Ethyl Ketone	2,030
o-Xylene	5.6
Propylene	88.8
Tetrachloroethene	55.2
Trichloroethene	2.74

Lab Sample Id	CC13974
Collection Date	12/12/2018
Client Id	SV 2
Matrix	Soil Vapor
CAS	Result
VOCs	
1,2,4-Trimethylbenzene	2.52
1,3-Butadiene	8.89
4-Ethyltoluene	3.75
4-Methyl-2-pentanone(MIBK)	2.28
Acetone	247
Benzene	2.77
Carbon Disulfide	5.13
Cyclohexane	10.1
Dichlorodifluoromethane	1.69
Ethanol	42
Ethylbenzene	2.5
Heptane	3.83
Hexane	5.74
Isopropylalcohol	1.74
m,p-Xylene	10.3
Methyl Ethyl Ketone	11.5
Methylene Chloride	12.2
o-Xylene	3.38
Propylene	168
Styrene	1.19
Tetrachloroethene	0.62
Tetrahydrofuran	7.93
Toluene	10.5
Vinyl Chloride	0.49

Lab Sample Id	CJ48524
Collection Date	10/1/2021
Client Id	20SV4
Matrix	Soil Vapor
Units	Result
VOCs	
1,2,4-Trimethylbenzene	9.09
2-Hexanone(MBK)	97.4
4-Ethyltoluene	5.94
4-Isopropyltoluene	12.8
Acetone	1,270
Ethanol	78.3
Isopropylalcohol	33.2
m,p-Xylene	10.6
Methyl Ethyl Ketone	1,620
o-Xylene	5.95
Propylene	70.5
Tetrachloroethene	33
Trichlorofluoromethane	5.53

Lab Sample Id	CJ48525
Collection Date	10/1/2021
Client Id	20SV5
Matrix	Soil Vapor
Units	Result
VOCs	
1,2,4-Trimethylbenzene	10.7
2-Hexanone(MBK)	316
4-Ethyltoluene	7.52
4-Isopropyltoluene	15.1
Acetone	3,010
Ethanol	233
Heptane	8.15
Isopropylalcohol	51.6
m,p-Xylene	15.8
Methyl Ethyl Ketone	4,950
o-Xylene	7.33
Propylene	200
Tetrachloroethene	15.5

KEY:

- PROPERTY BOUNDARY
- 2021 BEC RI SOIL VAPOR SAMPLE LOCATION
- 2018 EBC PHASE II SOIL VAPOR SAMPLE LOCATION
- 2018 EBC PHASE II SUB-SLAB SOIL GAS (SSSG) SAMPLE LOCATION

NOTE:
1. AERIAL ORTHOPHOTOGRAPY SOURCED FROM BING MAPS DATED 2022.
2. EBC = ENVIRONMENTAL BUSINESS CONSULTANTS (RIDGE, NY).
3. BEC = BRUSEE ENVIRONMENTAL CORP (MILLER, NY).
4. LINEWORK PROVIDED BY BEC SITE SAMPLING LOCATIONS, FIGURE 5.
5. ONLY DETECTED COMPOUNDS ARE SHOWN.
6. UNITS ARE IN MICROGRAMS PER CUBIC METER (UG/M3).

N W E S

0 15' 30' 60'
SCALE IN FEET

188 EAST 135TH STREET REDEVELOPMENT SITE
BRONX, NEW YORK

SUB-SLAB SOIL GAS AND SOIL VAPOR SAMPLING RESULTS (2018-2021)

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com

PREPARED FOR: WATERFRONT LIVING II LLC

PROJ MGR: MH	REVIEWED BY: MH	CHECKED BY: RL	FIGURE 4C
DESIGNED BY: RL	DRAWN BY: LN	SCALE: 1" = 30'	
DATE: APRIL 2022	PROJECT NO. 12.0077272.10	REVISION NO.	SHEET NO.

ATTACHMENT 5A – REQUESTOR ENTITY INFORMATION

Department of State
Division of Corporations

Entity Information

Return to Results | Return to Search

Entity Details

ENTITY NAME: WATERFRONT LIVING II LLC
FOREIGN LEGAL NAME: WATERFRONT LIVING II LLC
ENTITY TYPE: FOREIGN LIMITED LIABILITY COMPANY
SECTIONOF LAW: LIMITED LIABILITY COMPANY - 802 LIMITED LIABILITY COMPANY LAW - LIMITED LIABILITY COMPANY LAW
DATE OF INITIAL DOS FILING: 05/11/2022
EFFECTIVE DATE INITIAL FILING: 05/11/2022
FOREIGN FORMATION DATE: 04/09/2021
COUNTY: ORANGE
JURISDICTION: DELAWARE, UNITED STATES

DOS ID: 6482875
FICTITIOUS NAME:
DURATION DATE/LATEST DATE OF DISSOLUTION:
ENTITY STATUS: ACTIVE
REASON FOR STATUS:
INACTIVE DATE:
STATEMENT STATUS: CURRENT
NEXT STATEMENT DUE DATE: 05/31/2024
NFP CATEGORY:

ENTITY DISPLAY | NAME HISTORY | FILING HISTORY | MERGER HISTORY | ASSUMED NAME HISTORY

Service of Process Name and Address

Name: THE LLC

Address: 48 BAKERTOWN ROAD, SUITE 500, MONROE, NY, UNITED STATES, 10950

Chief Executive Officer's Name and Address

Name:

Address:

Principal Executive Office Address

Address:

Registered Agent Name and Address

Name:

Address:

Entity Primary Location Name and Address

Name:

Address:

Farmcorpflag

Is The Entity A Farm Corporation: NO

Stock Information

Share Value	Number Of Shares	Value Per Share

ATTACHMENT 5B – LLC MEMBERS

NAMES OF LLC MEMBERS/OWNERS

Jacob Sofer
28 Van Buren Drive, Unit 301
Monroe, NY 10950

ATTACHMENT 6A – VOLUNTEER STATEMENT

VOLUNTEER STATEMENT

Waterfront Living II LLC ("Requestor") is a Volunteer as defined in ECL 27-1405(1)(b) since its liability for contamination on the Site arises solely out of ownership, and Requestor has exercised appropriate care with respect to the contamination by maintaining the fence around the Site and by immediately taking steps to address contamination upon taking ownership.

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.

Requestor's exercise of appropriate care on the Site is demonstrated by actions taken since its involvement with the Site. Prior to taking ownership of the Site in July 2021, the Requestor reviewed previously conducted environmental reports and data prepared by Environmental Business Consultants (including a Phase I Screening Summary dated January 2018 and a subsequent Limited Phase II Subsurface Investigation dated January 2018), which revealed contamination on the Site warranting further investigation and subsequent remediation. In anticipation of redeveloping the Site, Requestor retained Brussee Environmental Corp., to conduct a remedial investigation pursuant to the New York City Office of Environmental Remediation's Voluntary Cleanup Program ("VCP") (OER VCP # 22VCP004X) in September of 2021. A Remedial Investigation Report was submitted to OER in November of 2021. After this initial investigation of Site contamination, the Requestor now seeks entry as a Volunteer into the Brownfield Cleanup Program to further investigate and remediate the Site.

ATTACHMENT 9A – OWNER AND OPERATOR INFORMATION

Operator	Date of Operations	Nature of Operations	Relationship to Requestor
Unknown	1891 to 1908	Railroad yard; operations reportedly related to adjacent elevated railroad tracks	None
None	1908 to 1923	Site is undeveloped	N/A
Pipe & contractor's supply facility	1920s to 1950s	Pipe cutting and coal yard	None
Unknown	1951 to 1968	Auto wrecking	None
Iron & Steel Company	Early 1960s	Unknown	None
Unknown	1968 to late 1970s	Non-specific commercial use	None
The Padded Wagon Moving & Storage	Early 1970s to at least 2010	Moving and storage company	None
Emerald Dry Cleaning	2000	Dry Cleaning (potential)	None
Crystal Clear Productions	2010, 2014	Unknown	None
None	Approximately 2014 to 2021	Site is vacant	N/A
WATERFRONT LIVING II LLC	2021 to Present	Site is vacant	Requestor
Owner	**Date of Ownership**	**Operations**	**Relationship to Requestor**
Samuel & Solomon Cohen (d/b/a NEHOR REALTY CORPORATION)	Unknown to 08/07/1968	Unknown	None
SUMMIT HOLDING CO INC	08/08/1968 to 08/29/1969	Unknown	None
G.A.D. Holding Corp	08/29/1969 to 11/30/2018	Unknown	None
ARNAV 188 LLC	11/30/2018 to 7/27/2021	Unknown	None
WATERFRONT LIVING II LLC	7/27/2021 to Present	None / Site is vacant	Requestor

Notes:
1. Table based on findings reported in Environmental Business Consultants' (EBC) 2018 Phase I Screening Summary and property record search through the Office of the City Register website.

ATTACHMENT 11A – SITE CONTACT LIST

SITE CONTACT LIST

CHIEF EXECUTIVE OFFICER AND PUBLIC OFFICIALS

Eric Adams
City Hall
New York, NY 10007

Vanessa Gibson
Office of the Bronx Borough President
851 Grand Concourse, 3rd Floor
Bronx, New York 10451

Dan Garodnick
Chair – New York City Planning Commission
16 Court Street, 7th Floor
Brooklyn, New York 11241-0103
718-780-8280

Kenneth J. Knuckles, Esq.
Vice Chairman – New York City Planning Commission
16 Court Street, 7th Floor
Brooklyn, New York 11241-0103
718-780-8280

OWNERS OF ADJACENT PROPERTIES:

East 135th Street

Catherine Rinaldi
President
MTA Metro North Railroad
420 Lexington Avenue
New York, NY 10017-3739

Park Avenue

Dawn Pinnock
Commissioner
New York City Department of Citywide Administrative Services
1 Centre Street, 17th Floor
New York, NY 10007

200 East 135th Street

CubeSmart East 135th, LLC
28 Liberty Street
New York, NY 10006

2391 3 Avenue
City of New York
City Hall
New York, NY 10007

175 Canal Street West
99 Evergreen, LLC
C/O DAVID CIAMPIETRO
27 Brucker Blvd 2nd Flr,
Bronx, Ny, 10454

2510 Park Avenue
2510 Park Avenue Realty LLC
C/O MACRO & SITARAS, PLLC
200 Liberty Street, 27th Floor
New York, NY 10281

NEARBY SCHOOLS AND DAYCARE FACILITIES
There are no such facilities proximate to the Site.

LOCAL NEWS MEDIA:

News 12 The Bronx
930 Soundview Avenue
Bronx, NY 10473

PUBLIC WATER SUPPLIER:

NYC Department of Environmental Protection
59-17 Junction Boulevard, 13th Floor
Flushing, NY 11373

DOCUMENT REPOSITORY

Ana Rojas
Community Coordinator
Bronx Community Board 1
3024 Third Avenue
Bronx, NY 10455

Mott Haven Library
321 East 140th Street
Bronx, NY 10454

ATTACHMENT 11B - DOCUMENT REPOSITORIES' ACKNOWLEDGEMENTS

BRONX COMMUNITY BOARD #1

3024 THIRD AVENUE
BRONX, NEW YORK 10455
(718) 585-7117 • Fax (718) 292-0558 • E-mail: brxcb1@optonline.net

SERVING PORT MORRIS • MOTT HAVEN • MELROSE

VANESSA L. GIBSON
BOROUGH PRESIDENT

ARLINE PARKS
CHAIRPERSON

VACANT
DISTRICT MANAGER

May 2, 2022

GZA GeoEnvironmental, Inc.
55 Lane Rd. – Suite 407
Fairfield, NJ 07004

Re: Brownfield Cleanup Program Application
Waterfront Living, LLC
188 East 135th Street Redevelopment Site
Bronx, New York 10451

Dear Ms. Hayes:

Pursuant to your request regarding the above listed site, please be advised that this letter does not represent support of the project by Community Board No. 1. We encourage the developer of the property to present the project to the Economic Development Land Use Committee.

In accordance with the requirements of the New York State Department of Environmental Conservation this letter is to certify that Bronx Community Board 1 is willing to act as a document repository for the property located at 188 East 135th Street under the New York State Brownfield Cleanup Program.

Sincerely Yours,

Arline Parks
Chair
Community Board No. 1

Known for excellence.
Built on trust.

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION MANAGEMENT

55 Lane Road
Suite 407
Fairfield, NJ 07004
T: 973-774-3300
F: 973-774-3350
www.gza.com

May 5, 2022

Mott Haven Library
321 East 140th Street
Bronx, NY 10454

Re: Brownfield Cleanup Program Application
Waterfront Living, LLC
188 East 135th Street Redevelopment Site
188 East 135th Street, Bronx, NY 10451

To Whom It May Concern:

We represent our client, Waterfront Living, LLC, in their anticipated Brownfield Cleanup Program (BCP) application for the property located at 188 East 135th Street, Bronx, NY (Site). It is a requirement of the New York State Department of Environmental Conservation (NYSDEC) that we supply a letter with the BCP application certifying the local library is willing and able to serve as a repository for documents pertaining to the Site. Please sign below if you can certify that the Mott Haven Library located at 321 East 140th Street, Bronx, NY 10454 is willing and able to act as a document repository for this BCP project. If you have any questions, please contact me at (973) 774-3332 or meredith.hayes@gza.com.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

Meredith Hayes
Senior Project Manager

Mott Haven Library located at 321 East 140th Street, Bronx, NY 10454 is willing and able to act as an electronic document repository for the property located at 188 East 135th Street, Bronx under the New York State Brownfield Cleanup Program.

T. [illegible]
(Signature)

5/5/22
(Date)

Tiffany McCrae Library Manager
(Print Name and Title)

GZA GeoEnvironmental, Inc.