



HydroTech Environmental

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USA - Middle East - North Africa

April 06, 2026

Mr. Erick Bower
New York State Department of Environmental Conservation
Division of Environmental Remediation-Remedial Bureau B
47-40 21st Street,
Long Island City, NY 11101

Re: Off-Site Soil Vapor Investigation Work Plan
471-483 20th Street, Brooklyn, NY
Block 888; Lots 50 & 52
NYSDEC Site No. Site No. C224187

Dear Mr. Bower:

HydroTech Environmental Engineering and Geology, DPC, hereby submits this Off-Site Soil Vapor Investigation Work Plan (Off-Site SV IWP) for the above referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup (BCP) Site that is identified as Ever Nu Metal (Site No.: C224187) and located at 471-483 20th Street, Brooklyn. The purpose of this investigation is to provide necessary data to evaluate the potential for soil vapor migration of trichloroethylene (TCE), tetrachloroethylene (PCE) and 1,1,1-TRICHLOROETHANE (1,1,1-TCA) from the BCP Site into surrounding properties. A soil vapor extraction (SVE) system has been in operation beneath this BCP Site since 2018 as an interim remedial measure to prevent the migration of these contaminants into adjacent properties via soil vapor intrusion pathway. The results of this investigation will close data gaps in the Site Remedial Investigation Report dated April 2017 in anticipation of evaluating remedial options for on-site and off-site locations.

The scope of this investigation is based on the requirements of NYSDEC and the New York State Department of Health (NYSDOH) after failed attempts to obtain access to surrounding properties to the BCP Site to complete the off-site soil vapor and sub-slab vapor sampling in accordance with the NYSDEC-approved Off-Site Remedial Investigation Work Plan (Off-Site RIWP) dated November 2020 and subsequent communications with NYSDEC and NYSDOH.

This off-site investigation consists of installing and sampling of a total of 10 soil vapor probes in sidewalks around the Site block to the northeast of 20th Street, to the southwest of 19th Street and to the northwest and southeast of Prospect Park West.

Project Background

Per BCP requirements, a soil vapor extraction system has operated at the Site since October 2018 as an interim remedy to mitigate the soil vapor impacts of TCE and PCE, which were historically detected beneath the Site and at adjacent properties. To evaluate the efficiency of this SVE system in mitigating these chlorinated soil vapors emanating from the Site into adjacent properties, a scope for off-site investigation consisting of the collection of paired sub-slab vapor/indoor air samples and soil vapors samples was proposed by HydroTech in NYSDEC-approved Off-Site RIWP dated November 2020. The scope of the November Off-Site RIWP consisted of collecting ten soil vapor samples and seven pairs of sub-slab vapor/indoor air samples at the following adjacent properties:

- 1-story special need school building and adjoining parking lot at 450 19th street;
- 2-story-residential building at 490 19th street;
- 2-story residential building at 492 19th street;
- 2-story-residential building at 494 19th street;
- 4-story Diocese of Brooklyn office building and adjoining parking lot at 310 Prospect Park West; and
- 2-story warehouse and office building at 450 19th street.

Access requests letters seeking permission to enter these properties to perform this off-site investigation were initially mailed by HydroTech on behalf of Ever Ny Metal over three consecutive rounds between September 2020 and November 2020, and also by NYSDEC during February and June 2021. Access was not granted by any property owners, and the off-site investigation could not be performed during that period.

Per NYSDEC and NYSDOH verbal requirements communicated in January-February 2025, four pairs of sub-slab vapor/indoor air samples designated as SS-1/IA-1 to SS-4/IA-4 were collected during the 2025 heating season in March 2025 inside the basement of the 4-story Diocese of Brooklyn office building at 310 Prospect Park West. This sampling was conducted following successful negotiations with the Diocese of Brooklyn, which restricted access to the eastern and southern portions of the basement. The Diocese of Brooklyn also consented to the sampling of four existing soil vapor points SV-4 to SV-7 located in the open parking space at this property and also two soil vapor points SV-9 and SV-10 located at their leased parking lot in the southern portion at 450 19th Street. Results of this investigation indicated TCE was detected in sub-slab and indoor air samples at concentrations that warrant a "Mitigate" action in accordance with the May 2017 NYSDOH Decision Matrix A for this contaminant in relevant pairs of sub-slab and indoor air samples. The design of a mitigation action to address soil vapor intrusion at 310 Prospect Park West will be discussed with the Diocese of Brooklyn and then coordinated with NYSDEC for approval prior to its implementation. These discussions are anticipated to take place between February 2026 and July 2026.

During the 2025 communications with NYSDEC and NYSDOH, soil vapor intrusion evaluation was also required inside the 3-story Brooklyn Urban Garden Charter School building that is owned by the Diocese of Brooklyn and located at 500 19th Street in the southeastern vicinity of the BCP Site. Several requests to enter the school building to conduct this investigation were provided by HydroTech to the Diocese of Brooklyn and yet, no access has been granted to his facility since February 2025.

Table 1 provides the 2025 Off-Site Sub-slab Vapor/Indoor Air and Soil Vapor Samples Analytical Results - 2025 samples results. **Figure 1** provides the BCP Site Map and SVE system layout. **Figure 2** provides the concentrations of PCE, TCE and 1,1,1-TCA in off-site soil vapors over time. **Figure 3** provides Map of TCE in sub-slab/indoor air at 310 Prospect Park West

In consideration of the lack of access permission to adjacent and surrounding properties to perform the off-site soil vapor evaluation, NYSDEC and NYSDOH stipulated via a teleconference on November 3, 2025, to limit this investigation to ten soil vapor points installed in sidewalks in front of surrounding properties, as discussed below.

Proposed Sampling of Off-site Soil Vapor Points

A total of ten (10) soil vapor points designated as OV-1 to OV-10 will be installed and sampled during this investigation around the BCP Site in accordance with the New York State Department of Health (NYSDOH) Guidance for evaluating Soil Vapor Intrusion in the State of NY (October 2006. Specifically, these soil vapor points will be installed in sidewalks in front of adjacent and surrounding properties to the northeast of 20th Street, to the southwest of 19th Street and to the northwest and southeast of Prospect Park West. In addition, one outdoor air sample designated OA-1 will also be collected during this investigation. **Figure 4** provides a map of proposed off-site soil vapor sampling locations. **Table 2** below provides a summary of proposed off-site soil vapor points.

Prior to the performance of the fieldwork, a public utility mark-out will be requested from the New York City-Long Island One-Call Center. In addition, Street Opening Permits will be requested from the New York City Department of Transportation for all off-site drilling in sidewalks. In addition a geophysical survey will be conducted to clear all sampling locations of subsurface utility lines.

All soil vapor sampling points will be installed via direct push utilizing a Geoprobe 6620DT drilling rig (or equivalent). Each soil vapor sampling point will consist of a stainless-steel screen or implant fitted with inert tubing (e.g., polyethylene) of ¼ inch diameter. The soil vapor implants will be installed in the subsurface soil, approximately 8 feet below grade surface (bgs). Porous inert backfill material (no.2 filter pack) will be used to create a sampling zone around the stainless-steel screen or implant. Soil vapor points will then be sealed above the sampling zone with a bentonite slurry to prevent outdoor

air infiltration, and the remainder of the borehole will be backfilled with clean material. The soil vapor probes will be finished to grade with cement, and a manhole cover at surface.

Table 1 – Summary of Proposed Off-Site Soil Vapor Points Locations

Samples IDs	Sidewalk Location	Building Use
OV-1	North of 500 19 th Street	Brooklyn Urban Garden Chater School
OV-2	Southwest of 500 19 th Street	
OV-3 & OV-4	West of 500 19 th Street	
OV-6 & OV-5	East of 310 Prospect Park West	Diocese of Brooklyn
OV-7	Southwest of 500 19 th Street	
OV-8	North of 500 19 th Street	
OV9	Northeast of 450 19th street	Special Need School Building
OV-10	South of 461 20 th street	450 19th street
OA-	Outdoor air to the west of 500 19 th Street	

All Soil vapor samples will be collected utilizing 6 liter pre-cleaned, passivated, evacuated, whole air Summa[®] Canister. At each soil vapor point, a 60-cm³ plastic syringe will be used to purge approximately 1 to 3 implant volumes (i.e., the volume of the sample probe and tube) prior to collecting the soil vapor sample. The air sampling canister will then be connected to a flow control valve set at a rate of less than 0.2 liter per minute to collect a 6-L sample over a period of 8 hours. To ensure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas, such as Helium, will be applied to enrich the atmosphere in the immediate vicinity of the sampling location. A portable monitoring device MGD-2002 Helium-Hydrogen Lead Detector; Model 83-219, will be utilized to analyze a real time sample of soil vapor from each soil vapor sampling point for the tracer prior to purging and after sampling. Plastic sheeting will be used to keep the tracer gas in contact with the soil vapor point during the sampling.

The outdoor air sample will be collected concurrently with and for the duration of the soil vapor samples at approximately 5 feet above ground.

Fieldwork Safety

The Supp Off-Site RIWP activities will be implemented in accordance with Appendix A - Health and Safety Plan (HASP) and Appendix B - Community Air Monitoring Plan (CAMP) in the NYSDEC-approved RIWP dated November 5, 2020. CAMP data will be reported to the NYSDEC and NYSDOH via daily reports describing any CAMP exceedances and actions taken to correct the issue.

Quality Assurance / Quality Control

The Off-Site SV IWP sampling activities will be performed in accordance with Appendix E - Quality Assurance Project Plan (QAPP) in the NYSDEC-approved Off-Site RIWP dated November 2020. The soil vapor samples and the outdoor air samples will be analyzed for VOCs via EPA Method TO-15. The Laboratory data packages will conform to the Analytical Services Protocols (ASP) Category B Deliverables, and a Data Usability Summary Report (DUSR) will be prepared.

REPORTING OF RESULTS

During the performance of fieldwork, CAMP data will be reported to the NYSDEC and NYSDOH via daily reports describing any CAMP exceedances and actions taken to correct the issue.

Preliminary results of the off-site soil vapor samples will be provided to NYSDEC and NYSDOH in a tabular format as soon as they are available. These results will also be documented in a Supplemental RIR including written narratives, appropriate maps and diagrams, tabulations of analytical data, air sampling log, photographs, a Data Usability Summary Report and laboratory analytical reports.

The off-site soil vapor investigation data will also be submitted electronically to NYSDEC through the Environmental Information Management System, using the standardized electronic data deliverable (EDD) format.

SCHEDULE

The anticipated schedule of to complete the scope of this Supp Off-Site RIWP is as follows:

Schedule Task	Estimated Date
Submit approved Off-Site SV IWP with modifications to NYSDEC	April 06, 2026
Complete Off-Site SV IWP fieldwork	Week of May 18, 2026
Submit Draft Supplemental RIR	Within 3 weeks of completion of fieldwork

CERTIFICATION

I, Paul I. Matli, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Off-Site Soil Vapor Investigation Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Paul I. Matli, PhD, PG
Qualified Environmental Professional

Signature



cc: William Bennett, NYSDEC (w/ Enc. by email)
Scarlett E McLaughlin, NYSDOH (w/ Enc. by email)
Lawrence Stephen, NYSDOH (w/ Enc. by email)
John Gagliardi, Ever Nu Metal (w/ Enc. by email)
Tarek Z. Khouri (HydroTech)
HydroTech file 250010

LIST OF ATTACHMENTS TO THIS WORK PLAN

Tables

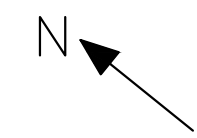
1. Off-Site Sub-Slab/Indoor Air and Soil Vapor Samples Analytical Results - 2025
2. Summary of Proposed Off-Site Soil Vapor Points

Figures

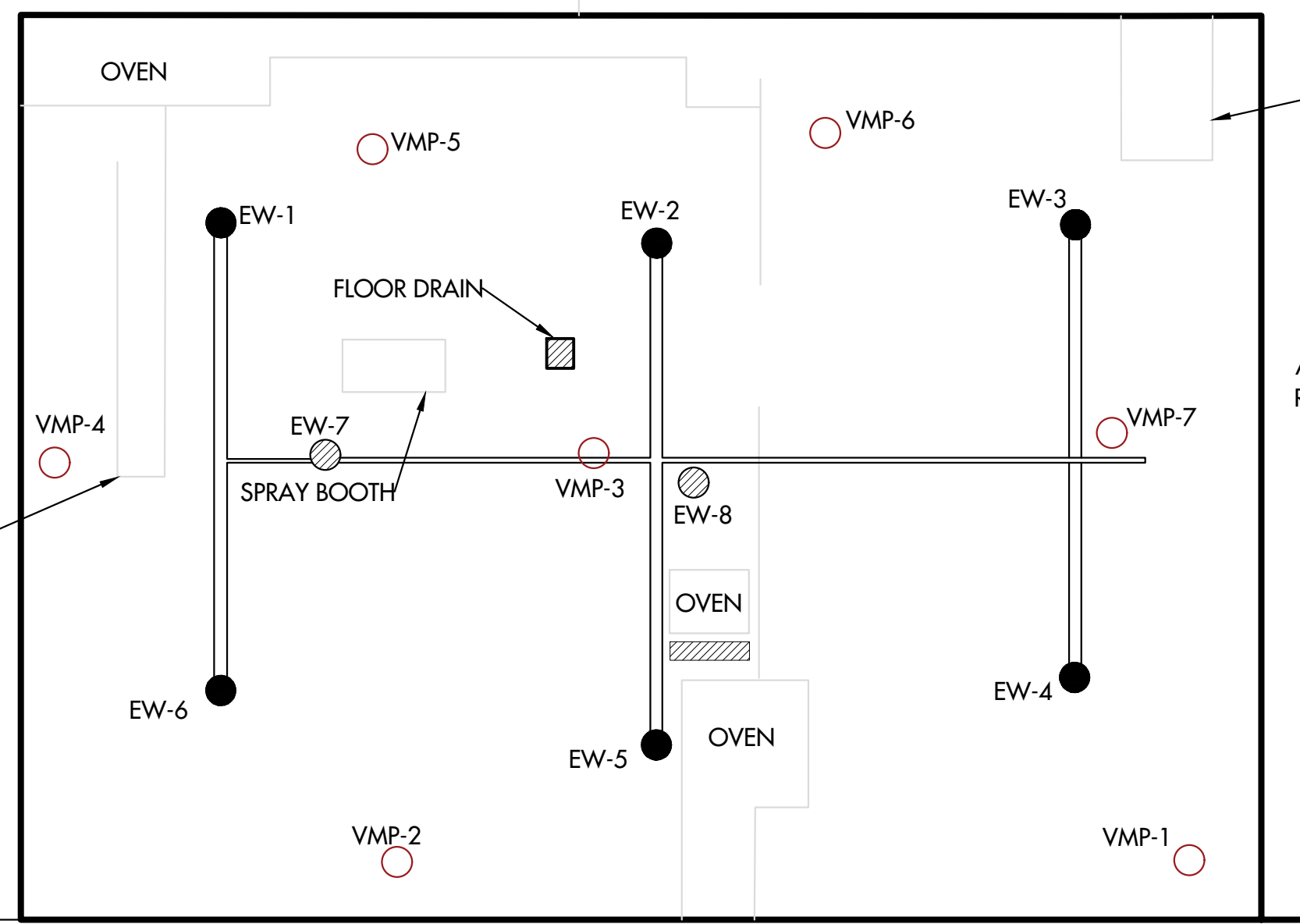
1. BCP Site Map and SVE System Layout
2. Concentrations of PCE, TCE and 1,1,1-TCA in Off-Site Soil Vapors Over Time.
3. Map of TCE in Sub-Slab/Indoor Air at 310 Prospect Park West
4. Map of Proposed Off-Site Soil Vapor Sampling Points

Table 1
Off-Site Sub-Slab Vapor / Indoor Air and Soil Vapor Samples Analytical Results - 2025
471 20th Street, Brooklyn, NY

Sample ID	NYSDOH Matrix	310 Prosect Park West - Diocese Basement										310 Prosect Park West - Diocese Parking Lot					450 19 th Street Parking Lot																				
		SS-1		IA-1		SS-2		IA-2		SS-3		IA-3		SS-4		IA-4		OA-1		SV-4		SV-5		SV-6		SV-7		OA-2		SV-9		SV-10					
		3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025	3/29/2025				
Client Matrix		Sub-Slab Vapor		Indoor Air		Sub-Slab Vapor		Indoor Air		Sub-Slab Vapor		Indoor Air		Sub-Slab Vapor		Indoor Air		Sub-Slab Vapor		Indoor Air		Outdoor Air		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor					
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q				
Units		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3					
1,1,2-Tetrachloroethane		1.100	U	0.710	U	1.500	U	0.820	U	1.300	U	0.710	U	1.500	U	0.710	U	1.200	U	1.500	U	1.200	U	1.500	U	1.500	U	1.300	U	1.500	U	1.200	U	1.500	U		
1,1,1-Trichloroethane	B	25	D	0.570	U	27	D	0.650	U	15	D	0.560	U	11	D	0.560	U	0.970	U	12	D	0.990	U	1.20	D	1.200	U	1.200	U	0.990	U	1.20	D	1.200	U		
1,1,2,2-Tetrachloroethane		1.100	U	0.710	U	1.500	U	0.820	U	1.300	U	0.710	U	1.500	U	0.710	U	1.200	U	1.500	U	1.200	U	1.500	U	1.500	U	1.300	U	1.500	U	1.200	U	1.500	U		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1.200	U	0.800	U	1.600	U	0.910	U	1.400	U	0.790	U	1.700	U	0.790	U	1.400	U	1.600	U	1.700	U	1.400	U	1.600	U	1.500	U	1.700	U	1.400	U	1.600	U		
1,1,2-Trichloroethane		0.880	U	0.570	U	1.200	U	0.650	U	1	U	0.560	U	1.200	U	0.560	U	0.970	U	1.200	U	1.200	U	0.990	U	1.200	U	1.200	U	0.990	U	1.100	U	1.200	U		
1,1-Dichloroethane		1.40	D	0.420	U	9.30	D	0.480	U	3.30	D	0.420	U	0.900	U	0.420	U	0.720	U	0.860	D	0.78	D	0.870	U	0.740	U	0.860	U	0.860	U	0.890	U	0.890	U		
1,1-Dichloroethylene	A	0.89	D	0.100	U	2.10	D	0.120	U	0.190	U	0.100	U	0.220	U	0.100	U	0.180	U	0.210	U	0.190	U	0.210	U	0.180	U	0.210	U	0.190	U	0.220	U	0.190	U		
1,2,4-Trichlorobenzene		1.200	U	0.770	U	1.600	U	0.880	U	1.400	U	0.770	U	1.600	U	0.760	U	1.300	U	1.600	U	1.400	U	1.600	U	1.600	U	1.400	U	1.600	U	1.600	U	1.600	U		
1,2,4-Trimethylbenzene	D	3.40	D	0.92	D	5.50	D	0.94	D	3.90	D	2.30	D	4.10	D	4.20	D	8.90	D	1	U	0.940	U	1.100	U	0.890	U	1	U	0.940	U	1.100	U	0.890	U		
1,2-Dibromoethane		1.200	U	0.800	U	1.600	U	0.910	U	1.400	U	0.790	U	1.700	U	0.790	U	1.400	U	1.600	U	1.600	U	1.400	U	1.600	U	1.500	U	1.700	U	1.500	U	1.700	U		
1,2-Dichlorobenzene		0.970	U	0.630	U	1.300	U	0.710	U	1.100	U	0.620	U	1.300	U	0.620	U	1.100	U	1.300	U	1.200	U	1.300	U	1.100	U	1.300	U	1.200	U	1.300	U	1.300	U		
1,2-Dichloropropane		0.650	U	0.420	U	0.860	U	0.480	U	0.760	U	0.420	U	0.900	U	0.58	D	0.720	U	0.860	U	0.860	U	0.870	U	0.730	U	0.860	U	0.860	U	0.890	U	0.890	U		
1,2-Dichloropropane		0.740	U	0.480	U	0.980	U	0.550	U	0.870	U	0.480	U	1	U	0.480	U	0.820	U	0.990	U	0.980	U	0.880	U	0.840	U	0.990	U	0.980	U	0.880	U	0.840	U		
1,2-Dichlorotetrafluoroethane		1.100	U	0.730	U	1.500	U	0.830	U	1.300	U	0.720	U	1.500	U	0.720	U	1.200	U	1.500	U	1.300	U	1.500	U	1.300	U	1.500	U	1.300	U	1.500	U	1.300	U		
1,3,5-Trimethylbenzene	D	1	D	0.510	U	1.70	D	0.580	U	1	D	0.71	D	1.30	D	1.10	D	2.60	D	1	U	0.940	U	1.100	U	0.890	U	1	U	0.940	U	1.100	U	0.890	U		
1,3-Butadiene		1.100	U	0.690	U	1.400	U	0.790	U	1.200	U	0.680	U	1.500	U	0.680	U	1.200	U	1.400	U	1.400	U	1.200	U	1.400	U	1.300	U	1.400	U	1.200	U	1.400	U		
1,3-Dichlorobenzene		0.970	U	0.630	U	1.300	U	0.710	U	1.100	U	0.620	U	1.300	U	0.620	U	1.100	U	1.300	U	1.200	U	1.300	U	1.100	U	1.300	U	1.200	U	1.300	U	1.300	U		
1,3-Dichloropropane		0.740	U	0.480	U	0.980	U	0.550	U	0.870	U	0.480	U	1	U	0.480	U	0.820	U	0.990	U	0.980	U	0.880	U	0.840	U	0.990	U	0.980	U	0.880	U	0.840	U		
1,4-Dichlorobenzene		0.970	U	0.630	U	1.300	U	0.710	U	1.100	U	0.620	U	1.300	U	0.620	U	1.100	U	1.300	U	1.200	U	1.300	U	1.100	U	1.300	U	1.200	U	1.300	U	1.300	U		
1,4-Dioxane		1.200	U	0.750	U	1.500	U	0.860	U	1.400	U	0.740	U	1.600	U	0.740	U	1.300	U	1.500	U	1.500	U	1.400	U	1.500	U	1.500	U	1.400	U	1.500	U	1.400	U		
2-Butanone		2.80	D	2	D	9	D	3	D	2.50	D	2.10	D	3.40	D	3.50	D	16	D	5.50	D	0.94	D	1.40	D	0.83	D	1.40	D	2.40	D	2.60	D	2.40	D	2.60	D
2-Hexanone		1.300	U	0.850	U	1.700	U	0.970	U	1.500	U	0.840	U	1.800	U	0.840	U	2.60	D	1.700	U	1.700	U	1.600	U	1.800	U	1.600	U	1.800	U	1.600	U	1.800	U		
2,2,4-Trimethylpentane		0.380	U	0.87	D	0.500	U	1.20	D	0.440	U	1.20	D	0.52	J	3.80	D	0.420	U	0.500	U	0.500	U	0.510	D	0.460	U	0.500	U	0.510	U	0.460	U	0.510	U		
3-Chloropropene		2.500	U	1.600	U	3.300	U	1.900	U	2.900	U	1.600	U	3.500	U	1.600	U	2.800	U	3.300	U	3.300	U	3	U	3.400	U	2.800	U	3.100	U	3.400	U	3.100	U		
4-Methyl-2-pentanone		11	D	0.430	U	17	D	0.49	U	19	D	0.420	U	16	D	1.70	D	150	D	0.870	U	0.870	U	0.780	U	0.890	U	0.740	U	0.810	U	0.900	U	0.810	U		
Acetone		93	D	24	D	120	D	19	D	62	D	26	D	25	D	21	D	400	D	75	D	14	D	10	D	7.20	D	12	D	40	D	39	D	40	D		
Acrylonitrile		4.500	U	2.900	U	6	U	3.400	U	5.300	U	2.90	J	6.300	U	2.900	U	5	U	6	U	6	U	5.400	U	6.100	U	5.100	U	5.500	U	6.200	U	5.500	U		
Benzene	D	4.30	D	0.93	D	2.40	D	1.10	D	2.80	D	0.99	D	1.60	D	2.20	D	8	D	0.680	U	0.75	D	0.610	U	0.690	U	0.70	D	0.82	D	0.700	U	0.82	D		
Benzyl chloride		0.830	U	0.540	U	1.100	U	0.620	U	0.970	U	0.530	U	1.100	U	0.530	U	0.920	U	1.100	U	1.100	U	0.990	U	1.100	U	0.940	U	1	U	1.100	U	1	U		
Bromodichloromethane		1.100	U	0.700	U	1.400	U	0.800	U	1.300	U	0.690	U	1.500	U	0.690	U	1.200	U	1.400	U	1.400	U	1.300	U	1.400	U	1.200	U	1.300	U	1.500	U	1.300	U		
Bromoform		1.700	U	1.100	U	2.200	U	1.200	U	1.900	U	1.100	U	2.300	U	1.100	U	1.800	U	2.200	U	2.200	U	2	U	2.200	U	1.900	U	2	U	2.300	U	2	U		
Bromomethane		0.620	U	0.400	U	0.820	U	0.460	U	0.730	U	0.400	U	0.860	U	0.400	U	0.690	U	0.830	U	0.830	U	0.740	U	0.840	U	0.710	U	0.760	U	0.850	U	0.760	U		
Carbon disulfide		2.30	D																																		



ADJACENT 2-STORY
RESIDENTIAL BUILDINGS



ADJACENT PARKING AREA
FOR PUBLIC INSTITUTION

WASHING MACHINE EQUIPMENT

SAND BLASTER

ADJACENT 4-STORY
RELIGIOUS INSTITUTION

SIDEWALK

20TH STREET

LEGEND:

- SVE VAPOR EXTRACTION WELL SCREENED FROM 10 TO 15 FEET BELOW GRADE SURFACE
 - ⊗ SVE WELLS SCREENED FROM 25 TO 30 FEET BELOW GRADE SURFACE
 - ▨ LOCATION OF SVE EQUIPMENT TRAILER (7'x7'x5')
 - VACUUM PRESSURE MONITORING POINT- INSTALLED AT 12 FEET BELOW GRADE
 - VACUUM MONITORING POINT- INSTALLED AT 27 FEET BELOW GRADE
 - 4" SOLID PVC MANIFOLD PIPING TO SVE TRAILER
- SVE = SOLID VAPOR EXTRACTION SYSTEM

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DATE	DESCRIPTION	CHK

SEAL & SIGNATURE



HYDROTECH ENVIRONMENTAL
ENGINEERING AND GEOLOGY,
DPC

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1104, NEW YORK, NY

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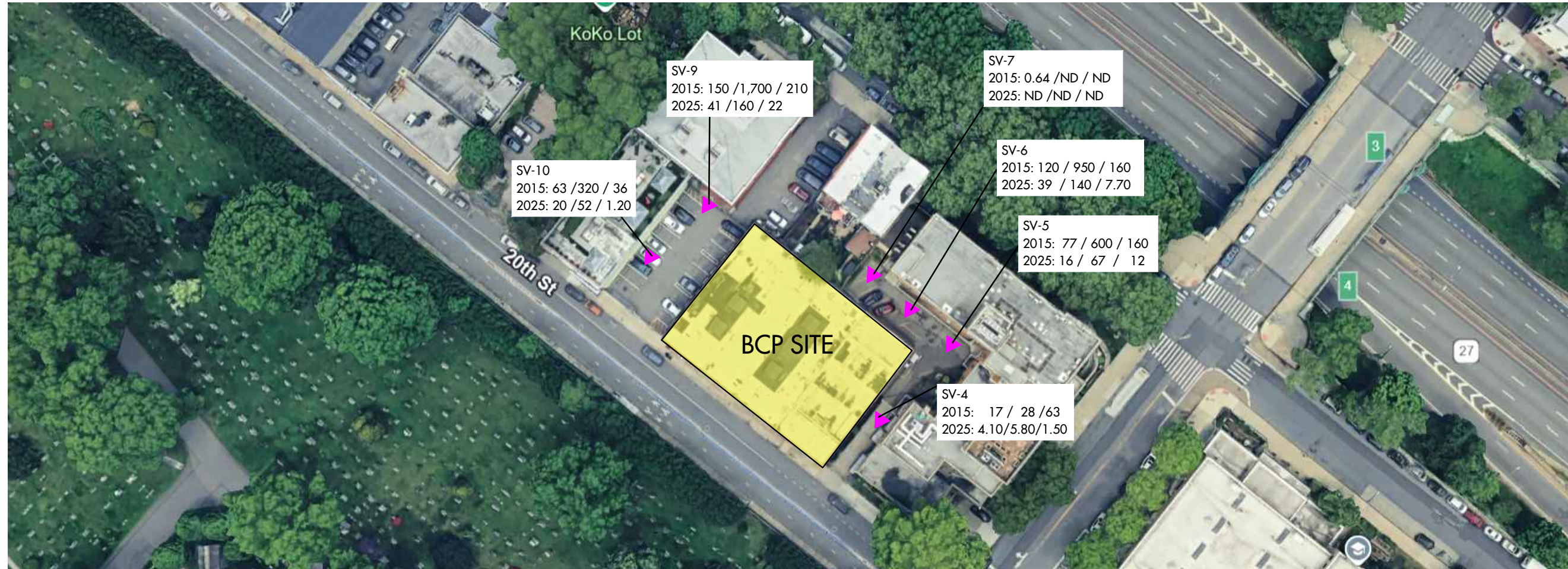
BASE DRAWING PREPARED BY

PROJECT NAME AND ADDRESS
471-483 20TH STREET, BROOKLYN, NY
BCP SITE NO. C224187

PROJECT FIGURE
FIGURE 1: BCP SITE MAP AND SVE SYSTEM
LAYOUT

PROJECT NO. 250010	DATE 11/21/25
DRAWN BY A.S.	REVIEWED BY P.M.
SCALE (11X17) AS SHOWN	APPROVED BY P.M.

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LEGEND:

- ▶ EXISTING SOIL VAPOR POINTS (SV-) INSTALLED BY ENVIROTRAC DURING 2015
- ND = NOT DETECTED

NOTE FOR ORDER OF TABLE RESULTS

TETRACHLOROETHENE/ TRICHLOROETHENE/ 1,1,1-TRICHLOROETHANE
 2015: SAMPLES COLLECTED AND ANALYZED BY ENVIROTRACK IN 2015
 2025: SAMPLES COLLECTED AND ANALYZED BY HYDROTECH IN 2025

ALL CONCENTRATIONS ARE IN MICROGRAM/CUBIC METER ($\mu\text{g}/\text{m}^3$)



DATE	DESCRIPTION	CHK

SEAL & SIGNATURE



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PROJECT NAME AND ADDRESS

471-483 20TH STREET, BROOKLYN, NY
 BCP SITE NO. C224187

PROJECT FIGURE

FIGURE 2: CONCENTRATIONS OF PCE, TCE AND 1,1,1-TCA IN OFF-SITE SOIL VAPORS OVER TIME

PROJECT NO. 250010	DATE 11/25/25
DRAWN BY A.S.	REVIEWED BY P.M.
SCALE (11X17) AS SHOWN	APPROVED BY P.M.



Sample ID	SS-4	IA-4
Sampling Date	3/29/2025	3/29/2025
Client Matrix	Sub-Slab Vapor	Indoor Air
Units	ug/m3 Q	ug/m3 Q
Trichloroethylene	29 D	0.22 D

Sample ID	SS-1	IA-1
Sampling Date	3/29/2025	3/29/2025
Client Matrix	Sub-Slab Vapor	Indoor Air
Units	ug/m3 Q	ug/m3 Q
Trichloroethylene	120 D	1.30 D

Sample ID	SS-2	IA-2
Sampling Date	3/29/2025	3/29/2025
Client Matrix	Sub-Slab Vapor	Indoor Air
Units	ug/m3 Q	ug/m3 Q
Trichloroethylene	300 D	0.38 D

Sample ID	SS-3	IA-3
Sampling Date	3/29/2025	3/29/2025
Client Matrix	Sub-Slab Vapor	Indoor Air
Units	ug/m3 Q	ug/m3 Q
Trichloroethylene	77 D	0.72 D

LEGEND:

● SUB-SLAB VAPOR POINTS AND INDOOR AIR SAMPLING LOCATIONS (SS-/IA-) COLLECTED IN MARCH 2025

Q IS THE QUALIFIER COLUMN WITH DEFINITIONS AS FOLLOWS:

D = RESULT IS FROM AN ANALYSIS THAT REQUIRED DILUTION

BOLDED VALUE INDICATES CONCENTRATION IS GREATER THAN METHOD DETECTION LIMIT

■ INDICATES EXCEEDANCE OF THE APPLICABLE NYSDOH MATRIX VALUE THAT WARRANTS A "MITIGATE" ACTION

Soil Vapor/ Indoor Air Matrix A

Trichloroethylene (TCE)

SUB-SLAB VAPOR CONCENTRATION OF COMPOUND (mcg/m ³)	INDOOR AIR CONCENTRATION OF COMPOUND (mcg/m ³)		
	<0.2	0.2 to <1	1 and above
<6	1. No further action	2. No further action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to <60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

mcg/m³ = micrograms per cubic meter



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 BCP SITE NO. C224187

PROJECT FIGURE
 FIGURE 3: MAP OF TCE IN SUB-SLAB/INDOOR AIR AT 310 PROSPECT PARK WEST

PROJECT NO. 250010	DATE 11/25/25
DRAWN BY A.S.	REVIEWED BY P.M.
SCALE (11X17) AS SHOWN	APPROVED BY P.M.



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DATE	DESCRIPTION	CHK

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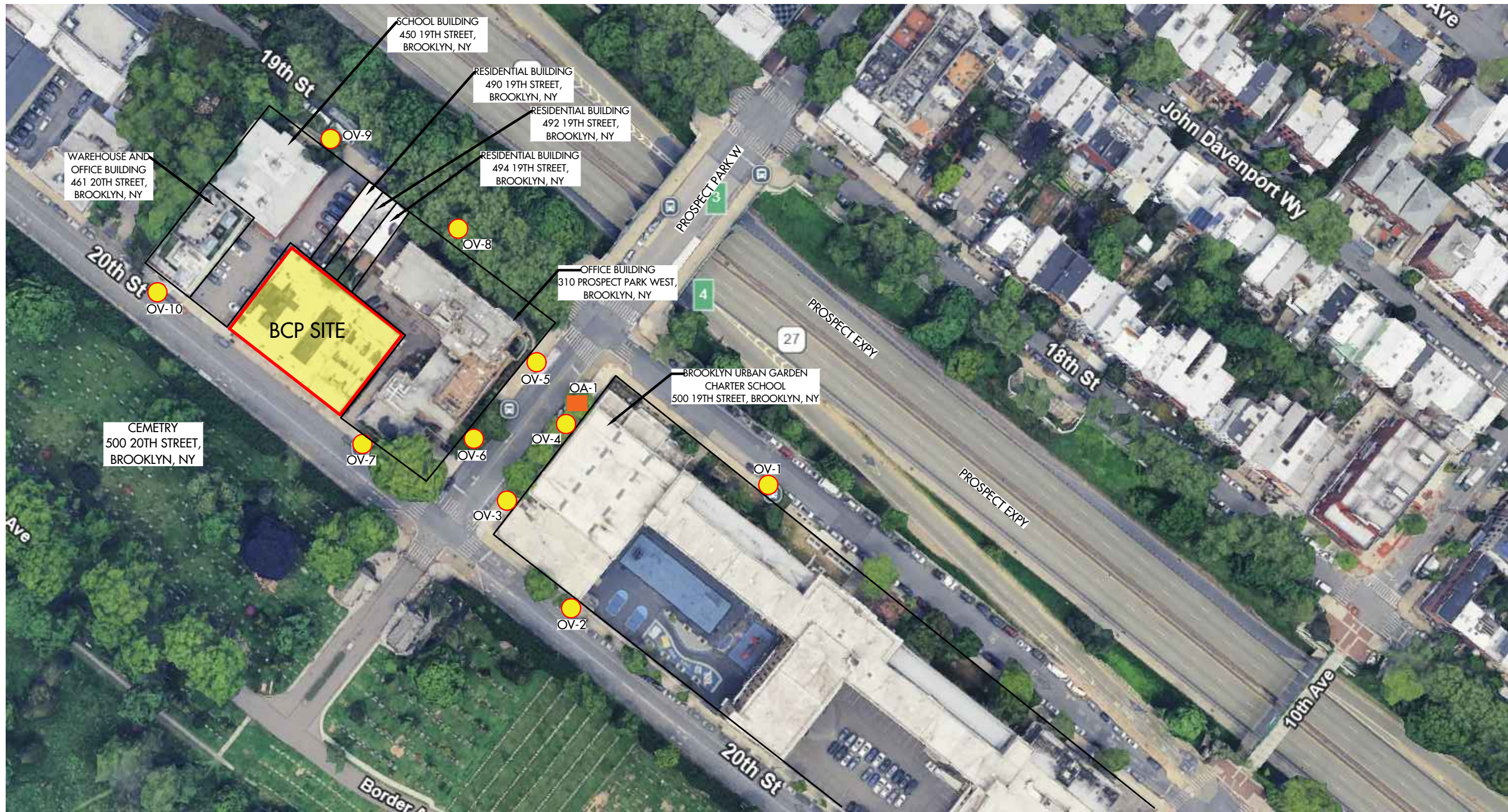


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PROJECT FIGURE	
FIGURE 4: MAP OF PROPOSED OFF-SITE SOIL VAPOR SAMPLING POINTS	
PROJECT NO. 250010	DATE 02/04/26
DRAWN BY A.S.	REVIEWED BY P.M.
SCALE (11X17) AS SHOWN	APPROVED BY P.M.



LEGEND:
 PROPOSED OFF-SITE SOIL VAPOR SAMPLING POINT
 PROPOSED OUTDOOR AIR SAMPLING LOCATION

